

**DSR REPORT**

Name Electrical **Year** 2018-2019
Rate Card PMC **Effective Date** 01/04/2018

Chapter Name Wiring (WG)

		Rate In (Rs)	
	Item Description	Rate	Unit
Chapter 1-1	Concealing of Conduits (WG-MA/CC)		
13869 Chapter 1-1-1	1 Supplying & erecting ISI mark Rigid Steel conduit 16 SWG 20 mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification No: WG-MA/CC, para no. 1.2.3	161.00	Meter
13869 Chapter 1-1-2	2 Supplying & laying ISI mark Rigid Steel conduit 16 SWG - 20 mm. dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification No: WG-MA/CC, para no. 1.2.3	140.00	Meter
13869 Chapter 1-1-3	3 Supplying & erecting ISI mark Rigid Steel conduit 16 SWG 25 mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification No: WG-MA/CC, para no. 1.2.3	209.00	Meter
13869 Chapter 1-1-4	4 Supplying & laying ISI mark Rigid Steel conduit 16 SWG - 25 mm. dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification No: WG-MA/CC, para no. 1.2.3	184.00	Meter
13869 Chapter 1-1-5	5 Supplying & erecting ISI mark Rigid Steel conduit 16 SWG 32 mm dia. with necessary accessories in wall/floor with chiselling appropriately as per specification No: WG-MA/CC, para no. 1.2.3	258.00	Meter
13869 Chapter 1-1-6	6 Supplying & laying ISI mark Rigid Steel conduit 16 SWG - 32 mm. dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification No: WG-MA/CC, para no. 1.2.3	236.00	Meter
13869 Chapter 1-1-7	7 Supplying & erecting I.S.I. mark Rigid P.V.C. conduit 20 mm. dia. with necessary accessories in wall/floor with chiselling appropriately as per specification No: WG-MA/CC, para no. 1.2.1	97.00	Meter
13869 Chapter 1-1-8	8 Supplying & laying Rigid PVC conduit 20 mm Dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification No. WG-MA/CC, para no. 1.2.1	83.00	Meter
13869 Chapter 1-1-9	9 Supplying & erecting I.S.I. mark Rigid P.V.C. conduit 25 mm. dia. with necessary accessories in wall/floor with chiselling appropriately as per specification No: WG-MA/CC, para no. 1.2.1	107.00	Meter

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	Item Description	Rate	Unit
13870 0	Chapter 1-1-10 Supplying & laying Rigid PVC conduit 25 mm Dia with necessary accessories in RCC work/false ceiling/false flooring as per specification No. WG-MA/CC, para no. 1.2.1	85.00	Meter
13870 1	Chapter 1-1-11 Supplying & erecting I.S.I. mark Rigid P.V.C. conduit 32 mm. dia. with necessary accessories in wall/floor with chiselling appropriately as per specification No: WG-MA/CC, para no. 1.2.1	138.00	Meter
13870 2	Chapter 1-1-12 Supplying & laying Rigid PVC conduit 16 SWG 32 mm Dia. with necessary accessories in RCC work/false ceiling/false flooring as per specification No. WG-MA/CC, para no. 1.2.1	115.00	Meter
13870 3	Chapter 1-1-13 Concealing of provided ISI mark G.I. pipe/H.G. screwed conduit/PVC pipe in wall/floor/false ceiling complete as per specification No:WG-PW/CW	59.00	Meter
	Chapter 1-2 PVC Flexible/Rigid Conduits/Casing-n-capping/Under Floor Trunking/Raceways and Box System (WG-MA/CON)		
13870 4	Chapter 1-2-1 Supplying and erecting UPVC reinforced flexible conduit 20 mm in dia. conforming to I.S. and approved make with required number of couplings, PVC bushes, check nuts etc. complete.	71.00	Meter
13870 5	Chapter 1-2-2 Supplying and erecting UPVC reinforced flexible conduit 25 mm in dia. conforming to I.S. and approved make with required number of couplings, PVC bushes, check nuts etc. complete.	91.00	Meter
13870 6	Chapter 1-2-3 Supplying and erecting UPVC reinforced flexible conduit 31/32 mm in dia. conforming to I.S. and approved make with required number of couplings, PVC bushes, check nuts etc. complete.	105.00	Meter
13870 7	Chapter 1-2-4 Supplying and erecting UPVC reinforced flexible conduit 38/40 mm in dia. conforming to I.S. and approved make with required number of couplings, PVC bushes, check nuts etc. complete.	140.00	Meter
13870 8	Chapter 1-2-5 Supplying and erecting UPVC reinforced flexible conduit 50 mm in dia. conforming to I.S. and approved make with required number of couplings, PVC bushes, check nuts etc. complete.	177.00	Meter
13870 9	Chapter 1-2-6 Supplying and erecting rigid PVC conduit 20 mm dia. with PVC accessories on wall / ceiling as per specification No: WG-MA/CON, para no. 1.1.1	64.00	Meter
13871 0	Chapter 1-2-7 Supplying and erecting rigid PVC conduit 25 mm dia. with PVC accessories on wall /ceiling as per specification No: WG-MA/CON, para no. 1.1.1	73.00	Meter
13871 1	Chapter 1-2-8 Supplying and erecting rigid PVC conduit 32 mm dia. with PVC accessories on wall / ceiling as per specification No: WG-MA/CON, para no. 1.1.1	111.00	Meter

		Rate In (Rs)	
Item	Item Description	Rate	Unit
13871 2	Chapter 1-2-9 Supplying and erecting PVC trunking (PVC casing-n-capping) of size 20 mm with accessories on wall/ceiling as per specification No: WG-MA/CON, para no. 1.1.2	32.00	Meter
13871 3	Chapter 1-2-10 Supplying and erecting PVC trunking (PVC casing-n-capping) of size 25 mm with accessories on wall/ceiling as per specification No: WG-MA/CON, para no. 1.1.2	34.00	Meter
13871 4	Chapter 1-2-11 Supplying and erecting PVC trunking (PVC casing-n-capping) of size 32 mm with accessories on wall/ceiling as per specification No: WG-MA/CON, para no. 1.1.2	41.00	Meter
13871 5	Chapter 1-2-12 Supplying and erecting PVC trunking (PVC casing-n-capping) of size 40 mm with accessories on wall/ceiling as per specification No: WG-MA/CON, para no. 1.1.2	61.00	Meter
13871 6	Chapter 1-2-13 Supplying and erecting PVC box trunking of size 50x16/20 mm. with accessories on wall/ceiling as per specification No: WG-MA/BOX, para no. 1.1.2	76.00	Meter
13871 7	Chapter 1-2-14 Supplying and erecting PVC box trunking of size 50x50 mm. with accessories on wall/ceiling as per specification No: WG-MA/BOX, para no. 1.1.2	127.00	Meter
13871 8	Chapter 1-2-15 Supplying and erecting PVC box trunking of size 75x50 mm. with accessories on wall/ceiling as per specification No: WG-MA/BOX, para no. 1.1.2	292.00	Meter
13871 9	Chapter 1-2-16 Supplying and erecting PVC box trunking of size 75x75 mm. with accessories on wall/ceiling as per specification No: WG-MA/BOX, para no. 1.1.2	353.00	Meter
13872 0	Chapter 1-2-17 Supplying and erecting PVC box trunking of size 100x50 mm. with accessories on wall/ceiling as per specification No: WG-MA/BOX para no. 1.1.2	451.00	Meter
13872 1	Chapter 1-2-18 Supplying and erecting PVC slotted box trunking of size 25x25 mm. with accessories on wall/ceiling as per specification No: WG-MA/SLBOX, para no. 1.1.2	53.00	Meter
13872 2	Chapter 1-2-19 Supplying and erecting PVC slotted box trunking of size 45x30 mm. with accessories on wall/ceiling as per specification No: WG-MA/SLBOX, para no. 1.1.2	98.00	Meter
13872 3	Chapter 1-2-20 Supplying and erecting PVC slotted box trunking of size 60x45 mm. with accessories on wall/ceiling as per specification No: WG-MA/SLBOX, para no. 1.1.2	139.00	Meter
13872 4	Chapter 1-2-21 Supplying and erecting PVC slotted box trunking of size 75x75 mm. with accessories on wall/ceiling as per specification No:	187.00	Meter

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	WG-MA/SLBOX, para no. 1.1.2		
13872 5	Chapter 1-2-22 Supplying and erecting PVC slotted box trunking of size 100x100 mm. with accessories on wall/ceiling as per specification No: WG-MA/SLBOX, para no. 1.1.2	354.00	Meter
13872 6	Chapter 1-2-23 Supplying & erecting UPVC gland/ adaptor suitable for 20 mm dia pvc pipe.	14.00	Each
13872 7	Chapter 1-2-24 Supplying & erecting UPVC gland/ adaptor suitable for 25 mm dia pvc pipe.	17.00	Each
13872 8	Chapter 1-2-25 Supplying & erecting UPVC gland/ adaptor suitable for 31/32 mm dia pvc pipe.	25.00	Each
13872 9	Chapter 1-2-26 Supplying & erecting UPVC gland/ adaptor suitable for 40/42 mm dia pvc pipe.	26.00	Each
13873 0	Chapter 1-2-27 Supplying & erecting UPVC gland/ adaptor suitable for 50 mm dia pvc pipe.	29.00	Each
13873 1	Chapter 1-2-28 Supplying & erecting GI flexible Conduit 25 mm dia. conforming to I.S. and approved make with required number of couplings, bushes, check nuts etc. complete	39.00	Meter
13873 2	Chapter 1-2-29 Supplying & erecting GI flexible Conduit 40 mm dia. conforming to I.S. and approved make with required number of couplings, bushes, check nuts etc. complete	55.00	Meter
13873 3	Chapter 1-2-30 Supplying & erecting GI flexible Conduit 50 mm dia. conforming to I.S. and approved make with required number of couplings, bushes, check nuts etc. complete	73.00	Meter
13873 4	Chapter 1-2-31 Supplying and erecting PVC ROHS complied Non flame propagating under floor ducts/raceways of 60mm Width x 25 mm depth x 3000 mm Length including the connectors and the clamps at required intervals complete. The ducts shall be in trapezoidal shape tested for 750 N point load suitable for inscreed application. as per specification no. WG-MA/UFD	288.00	Meter
13873 5	Chapter 1-2-32 Supplying and erecting PVC ROHS complied Non flame propagating under floor ducts/raceways of 90mm Width x 35 mm depth x 3000 mm Length including the connectors and the clamps at required intervals. The ducts shall be in trapezoidal shape tested for 750 N point load suitable for inscreed application as per specification no. WG-MA/UFD.	384.00	Meter
13873 6	Chapter 1-2-33 Supplying and erecting underfloor junction box of size 150mm x 150mm x 55 mm with flush finish powder coated appearance having knock outs for UPVC duct entry of size 60x25 mm width	4,061.00	Each

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	and 95x35 mm ducts complete as per specification no. WG-MA/UFB		
13873 Chapter 1-2-34 7	Supplying and erecting of underfloor junction box of size 200mm x 200mm x 55 mm. with flush finish powder coated appearance having knock outs for UPVC duct entry of size 60x25 mm and 95x35 mm ducts complete as per specification no. WG-MA/UFB .	6,367.00	Each
13873 Chapter 1-2-35 8	Supplying and erecting underfloor junction box of size 300mm x300mm x55 mm. with flush finish powder coated appearance having knock outs for UPVC duct entry of size 60x25 mm and 95x35 mm ducts complete as per specification no. WG-MA/UFB .	8,182.00	Each
Chapter 1-3	Bunch of Wires (WG-MA/BW)		
13873 Chapter 1-3-1 9	Supplying & erecting mains with 2x1.5 sq.mm F.R copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	34.00	Meter
13874 Chapter 1-3-2 0	Supplying & erecting mains with 2x1.5 sq.mm F.R.L.S copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	36.00	Meter
13874 Chapter 1-3-3 1	Supplying & erecting mains with 2x2.5 sq.mm F.R copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places. as per specification No: WG-MA/BW	51.00	Meter
13874 Chapter 1-3-4 2	Supplying & erecting mains with 2x2.5 sq.mm F.R.L.S copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places. as per specification No: WG-MA/BW	55.00	Meter
13874 Chapter 1-3-5 3	Supplying & erecting mains with 2x4 sq.mm F.R copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places. as per specification No: WG-MA/BW	70.00	Meter
13874 Chapter 1-3-6 4	Supplying & erecting mains with 2x4 sq.mm F.R.L.S copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places. as per specification No: WG-MA/BW	75.00	Meter
13874 Chapter 1-3-7 5	Supplying & erecting mains with 2x6 sq.mm F.R copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	98.00	Meter
13874 Chapter 1-3-8 6	Supplying & erecting mains with 2x6 sq.mm F.R L.S copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places. as per specification No: WG-MA/BW	106.00	Meter
13874 Chapter 1-3-9 7	Supplying & erecting mains with 2x10 sq.mm F.R copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	162.00	Meter

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13874 8	Chapter 1-3-10 Supplying & erecting mains with 2x10 sq.mm F.R.L.S copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	188.00	Meter
13874 9	Chapter 1-3-11 Supplying & erecting mains with 3x2.5 Sq.mm F.R copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	71.00	Meter
13875 0	Chapter 1-3-12 Supplying & erecting mains with 3x2.5 sq.mm F.R. L.S copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	76.00	Meter
13875 1	Chapter 1-3-13 Supplying & erecting mains with 3x4 sq.mm F.R copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	100.00	Meter
13875 2	Chapter 1-3-14 Supplying & erecting mains with 3x4 sq.mm F.R L.S copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	108.00	Meter
13875 3	Chapter 1-3-15 Supplying & erecting mains with 3x6 sq.mm F.R copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	143.00	Meter
13875 4	Chapter 1-3-16 Supplying & erecting mains with 3x6 sq.mm F.R.L.S copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	154.00	Meter
13875 5	Chapter 1-3-17 Supplying & erecting mains with 3x10 sq.mm F.R copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	241.00	Meter
13875 6	Chapter 1-3-18 Supplying & erecting mains with 3x10 sq.mm F.R.L.S copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	280.00	Meter
13875 7	Chapter 1-3-19 Supplying & erecting mains with 4x16 sq.mm F.R copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	491.00	Meter
13875 8	Chapter 1-3-20 Supplying & erecting mains with 4x16 sq.mm F.R L.S copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	537.00	Meter
13875 9	Chapter 1-3-21 Supplying & erecting mains with 4x25 sq.mm F.R copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	931.00	Meter
13876 0	Chapter 1-3-22 Supplying & erecting mains with 4x25 sq.mm F.R.L.S copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus	1,091.00	Meter

		Rate In (Rs)	
	Item Description	Rate	Unit
	bars or any other places as per specification No: WG-MA/BW		
13876 Chapter 1-3-23	Supplying & erecting mains with 4x35 sq.mm F.R copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	1,280.00	Meter
13876 Chapter 1-3-24	Supplying & erecting mains with 4x35 sq.mm F.R L.S copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	1,404.00	Meter
13876 Chapter 1-3-25	Supplying & erecting mains with 4x50 sq.mm FR copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW	1,800.00	Meter
13876 Chapter 1-3-26	Supplying PVC insulated PVC round sheathed 1 sq.mm (32 no. x 0.20mm dia.) 3 core flexible multi stranded copper Industrial cable for voltage grade up to 1.1 kV	38.00	Meter
13876 Chapter 1-3-27	Supplying PVC insulated PVC round sheathed 1.5 sq.mm (30 no. x 0.25 mm dia.) 3 core flexible multi stranded copper Industrial cable for voltage grade up to 1.1 kV	52.00	Meter
13876 Chapter 1-3-28	Supplying PVC insulated PVC round sheathed 2.5 sq.mm (50 no. x 0.25 mm dia.) 3 core flexible multi stranded copper Industrial cable for voltage grade up to 1.1 kV	77.00	Meter
13876 Chapter 1-3-29	Supplying PVC insulated PVC round sheathed 4 sq.mm (56 no. x 0.30 mm dia.) 3 core flexible multi stranded copper Industrial cable for voltage grade up to 1.1 kV	114.00	Meter
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	Chapter 1-4 Mains on GI Bare Wire (WG-MA/GB)		
13876 Chapter 1-4-1	Supplying and erecting mains with ISI mark WP 2 x 2.5 sq. mm. 1100 V. Grade aluminium PVC insulated and PVC sheathed wires on G.I. bearer wire No. 8 SWG complete erected with required size of porcelain reel insulators and 16 SWG G.I. binding wire.	56.00	Meter
13876 Chapter 1-4-2	Supplying and erecting mains with ISI mark WP 2 x 4 sq. mm. 1100 V. Grade aluminium PVC insulated and PVC sheathed wires on G.I. bearer wire No. 8 SWG complete erected with required size of porcelain reel insulators and 16 SWG G.I. binding wire.	64.00	Meter
13877 Chapter 1-4-3	Supplying and erecting mains with ISI mark WP 2 x 6 sq. mm. 1100 V. Grade aluminium PVC insulated and PVC sheathed wires on G.I. bearer wire No. 8 SWG complete erected with required size of porcelain reel insulators and 16 SWG G.I. binding wire.	78.00	Meter
13877 Chapter 1-4-4	Supplying and erecting mains with ISI mark WP 3 x 4 sq. mm. 1100 V. Grade aluminium PVC insulated and PVC sheathed wires on G.I. bearer wire No. 8 SWG complete erected with required	93.00	Meter

		Rate In (Rs)	
Item Description		Rate	Unit
	size of porcelain reel insulators and 16 SWG G.I. binding wire.		
13877 Chapter 1-4-5 2	Supplying and erecting mains with ISI mark WP 3 x 6 sq. mm. 1100 V. Grade aluminium PVC insulated and PVC sheathed wires on G.I. bearer wire No. 8 SWG complete erected with required size of porcelain reel insulators and 16 SWG G.I. binding wire.	112.00	Meter
13877 Chapter 1-4-6 3	Supplying and erecting mains with ISI mark WP 4 x 4 sq. mm. 1100 V. Grade aluminium PVC insulated and PVC sheathed wires on G.I. bearer wire No. 8 SWG complete erected with required size of porcelain reel insulators and 16 SWG G.I. binding wire.	108.00	Meter
13877 Chapter 1-4-7 4	Supplying and erecting mains with ISI mark WP 4 x 6 sq. mm. 1100 V. Grade aluminium PVC insulated and PVC sheathed wires on G.I. bearer wire No. 8 SWG complete erected with required size of porcelain reel insulators and 16 SWG G.I. binding wire.	133.00	Meter
Chapter 1-5 Mains in Metal Conduit (WG-MA/MC)			
13877 Chapter 1-5-1 5	Supplying & erecting mains with 2x1.5 sq.mm. F.R. copper wire, in 16gauge 20 mm dia. Rigid Steel conduit with continuous GI earth wire of 2.5 sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3	178.00	Meter
13877 Chapter 1-5-2 6	Supplying & erecting mains with 2x1.5 sq.mm. F.R.LS copper wire, in 16gauge 20 mm dia. Rigid Steel conduit with continuous GI earth wire of 2.5 sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3	184.00	Meter
13877 Chapter 1-5-3 7	Supplying & erecting mains with 2x2.5 sq.mm. F.R. copper wire, in 16gauge 20 mm dia. Rigid Steel conduit, with continuous GI earth wire of 2.5sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3	199.00	Meter
13877 Chapter 1-5-4 8	Supplying & erecting mains with 2x2.5 sq.mm. F.R.L.S copper wire, in 16gauge 20 mm dia. Rigid Steel conduit, with continuous GI earth wire of 2.5sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3	202.00	Meter
13877 Chapter 1-5-5 9	Supplying & erecting mains with 2x4 sq. mm. F.R copper wire, in 16gauge 20 mm dia. Rigid Steel conduit, with continuous GI earth wire of 2.5sq.mm.as per specification No: WG-MA/MC, para no. 1.4.3	226.00	Meter
13878 Chapter 1-5-6 0	Supplying & erecting mains with 2x4 sq.mm.F.R.L.S. copper wire, in 16gauge 20 mm dia. Rigid Steel conduit, with continuous GI earth wire of 2.5 sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3	231.00	Meter

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13878 Chapter 1-5-7 1	Supplying & erecting mains with 2x6 sq.mm. F.R. copper wire, in 16gauge 20 mm dia. Rigid Steel conduit, with continuous GI earth wire of 4 sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3		261.00	Meter
13878 Chapter 1-5-8 2	Supplying & erecting mains with 2x6 sq.mm. F.R.L.S copper wire, in 16gauge 20 mm dia. Rigid Steel conduit, with continuous GI earth wire of 4 sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3		265.00	Meter
13878 Chapter 1-5-9 3	Supplying & erecting mains with 2x10 sq.mm.F.R copper wire, in 16gauge 20 mm dia. Rigid Steel conduit, with continuous GI earth wire of 6 sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3		338.00	Meter
13878 Chapter 1-5-10 4	Supplying & erecting mains with 2x10 sq.mm.F.R.L.S copper wire, in 16gauge 20 mm dia. Rigid Steel conduit, with continuous GI earth wire of 6sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3		350.00	Meter
13878 Chapter 1-5-11 5	Supplying & erecting mains with 3x4 sq.mm. F.R.copper wire, in 16gauge 20 mm dia. Rigid Steel conduit, with continuous GI earth wire of 2.5sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3		260.00	Meter
13878 Chapter 1-5-12 6	Supplying & erecting mains with 3x4 sq.mm. F.R.L.S copper wire, in 16gauge 20 mm dia. Rigid Steel conduit, with continuous GI earth wire of 2.5sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3		269.00	Meter
13878 Chapter 1-5-13 7	Supplying & erecting mains with 3x6 sq.mm. F.R.copper wire, in 16gauge 20 mm dia. Rigid Steel conduit, with continuous GI earth wire of 4sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3		311.00	Meter
13878 Chapter 1-5-14 8	Supplying & erecting mains with 3x6 sq.mm. F.R.L.S copper wire, in 16gauge 20 mm dia.Rigid Steel conduit, with continuous GI earth wire of 4sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3		324.00	Meter
13878 Chapter 1-5-15 9	Supplying & erecting mains with 3x10 sq.mm.F.R copper wire, in 16gauge 25 mm dia. Rigid Steel conduit, with continuous GI earth wire of 6sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3		456.00	Meter
13879 Chapter 1-5-16 0	Supplying & erecting mains with 3x10 sq.mm.F.R.L.S copper wire, in 16gauge 25 mm dia. Rigid Steel conduit, with continuous GI earth wire of 6sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3		484.00	Meter

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	Item Description	Rate	Unit
13879 1	Chapter 1-5-17 Supplying & erecting mains with 4x4 sq.mm. F.R copper wire, in 16gauge 25 mm dia. Rigid Steel conduit, with continuous GI earth wire of 2.5sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3	330.00	Meter
13879 2	Chapter 1-5-18 Supplying & erecting mains with 4x4 sq.mm. F.R.L.S copper wire, in 16gauge 25 mm dia. Rigid Steel conduit, with continuous GI earth wire of 2.5 sq.mm as per specification No: WG-MA/MC, para no. 1.4.3	342.00	Meter
13879 3	Chapter 1-5-19 Supplying & erecting mains with 4x6 sq.mm.F.R copper wire, in 16gauge 25 mm dia.Rigid Steel conduit, with continuous GI earth wire of 4sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3	396.00	Meter
13879 4	Chapter 1-5-20 Supplying & erecting mains with 4x6 sq.mm.F.R L.S copper wire, in 16gauge 25 mm dia. Rigid Steel conduit, with continuous GI earth wire of 4sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3	414.00	Meter
13879 5	Chapter 1-5-21 Supplying & erecting mains with 4x10 sq.mm.F.R copper wire, in 16gauge 32 mm dia. Rigid Steel conduit, with continuous GI earth wire of 6sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3	565.00	Meter
13879 6	Chapter 1-5-22 Supplying & erecting mains with 4x10 sq.mm.F.R.L.S copper wire, in 16gauge 32 mm dia. Rigid Steel conduit, with continuous GI earth wire of 6sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3	621.00	Meter
13879 7	Chapter 1-5-23 Supplying & erecting mains with 6x6 sq.mm.F.R copper wire, in 16gauge 32 mm dia. Rigid Steel conduit, with continuous GI earth wire of 4sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3	487.00	Meter
13879 8	Chapter 1-5-24 Supplying & erecting mains with 6x6 sq.mm.F.R.L.S copper wire, in 16gauge 32 mm dia. Rigid Steel conduit, with continuous GI earth wire of 4sq.mm. as per specification No: WG-MA/MC, para no. 1.4.3	542.00	Meter
	Chapter 1-6 Mains in PVC Conduit (WG-MA/PC)		
13879 9	Chapter 1-6-1 Supplying & erecting mains 2x1.5 sq.mm.and earth wire 1.5 sq.mm FR PVC copper wire, in rigid PVC conduit min. 20mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	104.00	Meter
13880 0	Chapter 1-6-2 Supplying & erecting mains with 2x1.5 sq.mm.and earth wire 1.5 sq.mm FRLS PVC copper wire, in rigid PVC conduit min. 20mm dia as per specification No: WG-MA/PC, para no. 1.4.1	106.00	Meter

			Rate In (Rs)	
	Item Description	Rate	Unit	
13880 Chapter 1-6-3 1	Supplying & erecting mains with 2x2.5 sq.mm.and earth wire 1.5 sq.mm FR PVC copper wire, in rigid PVC conduit min. 20mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	118.00	Meter	
13880 Chapter 1-6-4 2	Supplying & erecting mains with 2x2.5 sq.mm.and earth wire 1.5 sq.mm FRLS PVC copper wire in rigid PVC conduit min. 20mm dia. as per specification No: WG-MA/PC, para no. 1.4.1	123.00	Meter	
13880 Chapter 1-6-5 3	Supplying & erecting mains with 2x4 sq.mm.and earth wire 2.5 sq.mm FR PVC copper wire in rigid PVC conduit min .20mm dia,as per specification No: WG-MA/PC, para no. 1.4.1	142.00	Meter	
13880 Chapter 1-6-6 4	Supplying & erecting mains with 2x4 sq.mm.and earth wire 2.5 sq.mm FRLS PVC copper wire in rigid PVC conduit min.20mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	148.00	Meter	
13880 Chapter 1-6-7 5	Supplying & erecting mains with 2x6 sq.mm.and earth wire 4 sq.mm FR PVC copper wire, in rigid PVC conduit min.20mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	179.00	Meter	
13880 Chapter 1-6-8 6	Supplying & erecting mains with 2x6 sq.mm.and earth wire 4 sq.mm FRLS PVC copper wire, in rigid PVC conduit min.20mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	187.00	Meter	
13880 Chapter 1-6-9 7	Supplying & erecting mains with 2x10 sq.mm.and earth wire 6 sqmm FR PVC copper wire, in rigid PVC conduit min. 25 mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	265.00	Meter	
13880 Chapter 1-6-10 8	Supplying & erecting mains with 2x10 sq.mm.and earth wire 6 sq.mm FRLS PVC copper wire, in rigid PVC conduit min. 25mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	294.00	Meter	
13880 Chapter 1-6-11 9	Supplying & erecting mains with 3x4 sq.mm.and earth wire 2.5 sq.mm FR PVC copper wire, in rigid PVC conduit min.20mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	180.00	Meter	
13881 Chapter 1-6-12 0	Supplying & erecting mains with 3x4 sq.mm.and earth wire 2.5 sq.mm FRLS PVC copper wire, in rigid PVC conduit min.20mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	189.00	Meter	
13881 Chapter 1-6-13 1	Supplying & erecting mains with 3x6 sq.mm.and earth wire 4 sq.mm FR PVC copper wire, in rigid PVC conduit min. 25mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	231.00	Meter	
13881 Chapter 1-6-14 2	Supplying & erecting mains with 3x6 sq.mm.and earth wire 4 sq.mm FRLS PVC copper wire, in rigid PVC conduit min. 25 mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	245.00	Meter	
13881 Chapter 1-6-15 3	Supplying & erecting mains with 3x10 sq.mm.and earth wire 6 sq.mm FR PVC copper wire, in rigid PVC conduit min. 25mm dia.	338.00	Meter	

		Rate In (Rs)	
	Item Description	Rate	Unit
	as per specification No: WG-MA/PC, para no. 1.4.1		
13881 4	Chapter 1-6-16 Supplying & erecting mains with 3x10 sq.mm.and earth wire 6 sq.mm FRLS PVC copper wire, in rigid PVC conduit min. 25mm dia,as per specification No: WG-MA/PC, para no. 1.4.1	439.00	Meter
13881 5	Chapter 1-6-17 Supplying & erecting mains with 4x4 sq.mm and earth wire 2.5 sq.mm FR PVC copper wire, in rigid PVC conduit min. 25mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	213.00	Meter
13881 6	Chapter 1-6-18 Supplying & erecting mains with 4x4 sq.mm.and earth wire 2.5 sq.mm FRLS PVC copper wire, in rigid PVC conduit 25mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	225.00	Meter
13881 7	Chapter 1-6-19 Supplying & erecting mains with 4x6 sq.mm.and earth wire 4 sq.mm FR PVC copper wire, in rigid PVC conduit 25mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	279.00	Meter
13881 8	Chapter 1-6-20 Supplying & erecting mains with 4x6 sq.mm.and earth wire 4 sq.mm FRLS PVC copper wire, in rigid PVC conduit 25mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	299.00	Meter
13881 9	Chapter 1-6-21 Supplying & erecting mains with 4x10 sq.mm.and earth wire 6 sq.mm FR PVC copper wire, in rigid PVC conduit 32mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	441.00	Meter
13882 0	Chapter 1-6-22 Supplying & erecting mains with 4x10 sq.mm.and earth wire 6 sq.mm FRLS PVC copper wire, in rigid PVC conduit 32mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	496.00	Meter
13882 1	Chapter 1-6-23 Supplying & erecting mains with 6x6 sq.mm.and earth wire 4 sq.mm FR PVC copper wire, in rigid PVC conduit 32mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	393.00	Meter
13882 2	Chapter 1-6-24 Supplying & erecting mains with 6x6 sq.mm.and earth wire 4 sq.mm FRLS PVC copper wire, in rigid PVC conduit 32mm dia, as per specification No: WG-MA/PC, para no. 1.4.1	418.00	Meter
	Chapter 1-7 Wiring Accessories		
13882 3	Chapter 1-7-1 Supplying and erecting shockproof 6A ISI mark porcelain base T.Switch / bell push erected on Filled polypropylene ISI marked (IS:14772-2000) board or polished double wooden block / 3 mm thick hylam sheet / 4mm thick plywood pasted with 1.5 mm thick Laminate with S M screws and duly connected.	27.00	Each
13882 4	Chapter 1-7-2 Supplying and erecting One/Two way piano type ISI mark switch 6A./bell push erected on Filled polypropylene ISI marked (IS:14772-2000) board or double polished wooden board/ folded or screwed board with top of either wooden/ 3 mm thick hylam	31.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	sheet/ 4mm thick plywood pasted with 1.5 mm thick Laminate with S M screws and duly connected.		
13882 Chapter 1-7-3 5	Supplying and erecting ISI mark shockproof T. switch 16 A porcelain base surface mounting type / flush mounting type erected on Filled polypropylene ISI marked (IS:14772-2000) board or polished thick varnished double wooden block/folded or screwed board with top of either wooden/ 3 mm thick hylam sheet/ 4mm thick plywood pasted with 1.5 mm thick Laminate with S M screws and duly connected.	64.00	Each
13882 Chapter 1-7-4 6	Supplying and erecting ISI mark shockproof piano type switch 250 V 16 A, erected on Filled polypropylene ISI marked (IS: 14772-2000) board or polished double wooden/ folded or screwed board with top of either wooden/ 3 mm thick hylam sheet/ 4mm thick plywood pasted with 1.5 mm thick Laminate with S M screws and duly connected.	59.00	Each
13882 Chapter 1-7-5 7	Supplying and erecting ISI mark shockproof 3 pin plug socket 6A with porcelain base / flush type erected on Filled polypropylene ISI marked (IS:14772-2000) board or polished thick varnished double wooden block / folded or screwed board with top of either wooden / 3 mm thick hylam sheet/ 4mm thick plywood pasted with 1.5 mm thick Laminate with S M screws and duly connected.	34.00	Each
13882 Chapter 1-7-6 8	Supplying and erecting ISI mark shockproof 3 pin plug socket 16A with porcelain base/ flush type erected on Filled polypropylene ISI marked (IS:14772-2000) board or polished thick varnished double wooden block / folded or screwed board with top of either wooden/3 mm thick hylam sheet/ 4mm thick plywood pasted with 1.5 mm thick Laminate with S M screws and duly connected.	44.00	Each
13882 Chapter 1-7-7 9	Supplying and erecting ISI mark Ceiling rose / Batten holder / Slanting holder / hanging cord switch / hanging bell push / pendent holder bakelite base 6A. erected on Filled polypropylene ISI marked (IS:14772-2000) board or polished double wooden block/ ISI mark PVC junction box.	30.00	Each
13883 Chapter 1-7-8 0	Supplying adaptor for lamp holder 230 V.A.C. supply.	29.00	Each
13883 Chapter 1-7-9 1	Supplying and erecting ISI mark recess type 3 pin plug socket 6A with piano switch 6A erected on M.S Box made of 16 SWG sheet duly painted and covered with bakelite hylam sheet of 3 mm thickness connected with earth terminals and leads duly concealed	71.00	Each
13883 Chapter 1-7-10 2	Supplying and erecting ISI marked recess type 3 pin plug socket 6A with piano switch 6 A combined unit erected on polished double	75.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	wooden block/ folded or screwed board with top of either wooden or plywood pasted with sunmica and with connecting leads		
13883 3	Chapter 1-7-11 Supplying and erecting ISI mark flush shock proof plug socket 6 pin 6A and 16A with switch 16A combined unit erected in recess in 16 guage M.S sheet box duly painted and connected with earth terminal and leads	94.00	Each
13883 4	Chapter 1-7-12 Supplying and erecting ISI mark flush type shockproof plug socket 6 pin 6A and 16A with switch 16A combined unit erected on Filled polypropylene ISI marked (IS:14772-2000) board or double wooden block / 3mm thick hylam sheet / 4mm thick plywood pasted with 1.5 mm thick sunmica with S M screws and duly connected.	130.00	Each
13883 5	Chapter 1-7-13 Supplying and erecting flush type shockproof plug socket 6A.& 16A (6 pin) with 16A switch combined with indicator lamp and fuse with gang box on wooden board.	162.00	Each
13883 6	Chapter 1-7-14 Supplying and erecting ISI mark shockproof bell push on Filled polypropylene ISI marked (IS:14772-2000) board or wooden block covered with sunmica with 2 Core (TRS type) PVC insulated copper wire of size 0.5 sq mm 5 m length connected to the point.	33.00	Each
13883 7	Chapter 1-7-15 Supplying and erecting ISI marked recess type 3 pin plug socket 6A with piano switch 6A combined unit erected on M.S box made of 16 guage sheet and covered with sunmica and with connecting leads	93.00	Each
13883 9	Chapter 1-7-17 Supplying 6 amp. 3 pin plug Top bakelite type of 230 V.A.C. supply.	35.00	Each
13884 0	Chapter 1-7-18 Supplying 16 amp. 3 pin plug Top bakelite type of 230 V.A.C. supply.	49.00	Each
	Chapter 1-8 Modular switches and Accessories		
13884 1	Chapter 1-8-1 Supplying and erecting modular type switch 6A / 10A ISI mark approved make duly erected on provided plate and box with wiring connections complete.	75.00	Each
13884 2	Chapter 1-8-2 Supplying and erecting modular type switch 16A ISI mark approved make duly erected on provided plate and box with wiring connections complete.	101.00	Each
13884 3	Chapter 1-8-3 Supplying and erecting modular type bell-push 6A / 10A ISI mark approved make duly erected on provided plate and box with wiring connections complete.	97.00	Each

			Rate In (Rs)	
	Item Description		Rate	Unit
13884 4	Chapter 1-8-4 Supplying and erecting modular type bell-push with indicator 2 modules 6A / 10A ISI mark approved make duly erected on provided plate and box with wiring connections complete.		113.00	Each
13884 5	Chapter 1-8-5 Supplying and erecting modular type Two way switch 6A / 10A (2 Module) ISI mark, approved make, duly erected on provided plate and box with wiring connections complete.		99.00	Each
13884 6	Chapter 1-8-6 Supplying and erecting modular type switch 16 / 20 A with indicator, ISI mark, approved make duly erected on provided plate and box with wiring connections complete.		126.00	Each
13884 7	Chapter 1-8-7 Supplying and erecting modular type switch one way 16 / 20 A, ISI mark, approved make duly erected on provided plate and box with wiring connections complete with neon indicator.		130.00	Each
13884 8	Chapter 1-8-8 Supplying and erecting modular type D.P. switch 32A with indicator ISI mark approved make duly erected on provided plate and box with wiring connections complete.		164.00	Each
13884 9	Chapter 1-8-9 Supplying and erecting modular type 32A, DP key tag switch with KEY TAG ISI mark approved make duly erected on provided plate and box with wiring connections complete.		328.00	Each
13885 0	Chapter 1-8-10 Supplying and erecting modular type 3 pin 6A multi socket with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete.		104.00	Each
13885 1	Chapter 1-8-11 Supplying and erecting modular type 3 pin 6 / 16A multi socket with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete.		149.00	Each
13885 2	Chapter 1-8-12 Supplying and erecting modular type indicator lamp ISI mark approved make duly erected on provided plate and box with wiring connections complete.		57.00	Each
13885 3	Chapter 1-8-13 Supplying and erecting modular type 6 / 16A fuse unit ISI mark approved make duly erected on provided plate and box with wiring connections complete.		84.00	Each
13885 4	Chapter 1-8-14 Supplying and erecting modular type T.V. socket single outlet ISI mark approved make duly erected on provided plate and box with wiring connections complete.		80.00	Each
13885 5	Chapter 1-8-15 Supplying and erecting modular type telephone socket one gang with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete.		80.00	Each
13885 6	Chapter 1-8-16 Supplying and erecting modular type telephone socket two gang with safety shutter ISI mark approved make duly erected on		95.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	provided plate and box with wiring connections complete.		
13885 7	Chapter 1-8-17 Supplying and erecting modular type computer Jack RJ 45 with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete.	98.00	Each
13885 8	Chapter 1-8-18 Supplying and erecting modular type bell indicator ISI mark approved make duly erected on provided plate and box with wiring connections complete.	137.00	Each
13885 9	Chapter 1-8-19 Supplying and erecting modular type buzzer 220 / 250V ISI mark approved make duly erected on provided plate and box with wiring connections complete.	93.00	Each
13886 0	Chapter 1-8-20 Supplying and erecting modular type electronic dimmer 400 / 450W one module ISI mark approved make duly erected on provided plate and box with wiring connections complete.	214.00	Each
13886 1	Chapter 1-8-21 Supplying and erecting modular type electronic dimmer 600/650W two module ISI mark approved make duly erected on provided plate and box with wiring connections complete.	284.00	Each
13886 2	Chapter 1-8-22 Supplying and erecting modular type electronic dimmer 1000W two module ISI mark approved make duly erected on provided plate and box with wiring connections complete.	363.00	Each
13886 3	Chapter 1-8-23 Supplying and erecting modular type electronic step regulator for fan two module ISI mark approved make duly erected on provided plate and box with wiring connections complete. Note: Add Rs 60/- provision of additional two modules for box and double plate	332.00	Each
13886 5	Chapter 1-8-25 Supplying and erecting modular type blanking plate one module ISI mark approved make duly erected on provided plate & box.	17.00	Each
13886 6	Chapter 1-8-26 Supplying and erecting modular type blanking plate two module ISI mark approved make duly erected on provided plate & box.	22.00	Each
13886 7	Chapter 1-8-27 Supplying and erecting PVC Surface modular switch box with double mounting plate for 1 module complete duly erected in an approved manner.	121.00	Each
13886 8	Chapter 1-8-28 Supplying and erecting PVC Surface modular switch box with double mounting plate for 2 module duly erected in an approved manner.	136.00	Each
13886 9	Chapter 1-8-29 Supplying and erecting PVC Surface modular switch box with double mounting plate for 3 module duly erected in an approved manner.	146.00	Each

		Rate In (Rs)	
Item Description	Rate	Unit	
13887 Chapter 1-8-30 0	Supplying and erecting PVC Surface modular switch box with double mounting plate for 4 module duly erected in an approved manner.	171.00	Each
13887 Chapter 1-8-31 1	Supplying and erecting PVC Surface modular switch box with double mounting plate for 6 module duly erected in an approved manner.	229.00	Each
13887 Chapter 1-8-32 2	Supplying and erecting PVC Surface modular switch box with double mounting & front plate for 8 module complete duly connected.	289.00	Each
13887 Chapter 1-8-33 3	Supplying and erecting PVC Surface modular switch box with double mounting plate for 12 module duly erected in an approved manner.	374.00	Each
13887 Chapter 1-8-34 4	Supplying and erecting PVC Surface modular switch box with double mounting plate for 16 / 18 module duly erected in an approved manner.	411.00	Each
13887 Chapter 1-8-35 5	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 1 module duly erected flush to wall with required chiseling and finishing with cement mortar / POP as per required to match the background in an approved manner.	210.00	Each
13887 Chapter 1-8-36 6	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 2 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner.	210.00	Each
13887 Chapter 1-8-37 7	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 3 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner.	241.00	Each
13887 Chapter 1-8-38 8	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 4 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner.	271.00	Each
13887 Chapter 1-8-39 9	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 6 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner.	364.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
13888 Chapter 1-8-40 0	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 8 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner.	430.00	Each
13888 Chapter 1-8-41 1	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 12 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner.	477.00	Each
13888 Chapter 1-8-42 2	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 16 / 18 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background in an approved manner.	521.00	Each
13888 Chapter 1-8-43 3	Supplying and erecting White Footlight with 4 modules concealed modular box and lamp holder with cover complete erected on wall /flush to wall with necessary chiselling in wall and finishing with cement and mortar / PoP as per required and duly connected in an approved manner.	413.00	Each
13888 Chapter 1-8-44 4	Supplying and erecting White Footlight with 8 modules concealed modular box and lamp holder with cover complete erected on wall /flush to wall with necessary chiselling in wall and finishing with cement and mortar / PoP as per required and duly connected in an approved manner.	503.00	Each
13888 Chapter 1-8-45 5	Supplying and erecting 16 / 20 / 25 A starter (modular range) 2 module for AC unit on provided box complete & duly concealed with necessary material and connected.	333.00	Each
13888 Chapter 1-8-46 6	Supplying and erecting 6 to 32 A SPMCB suitable to fix in 1 module of modular switch in provided box complete & duly concealed with necessary material and connected.	174.00	Each
13888 Chapter 1-8-47 7	Supplying and erecting 16 to 32 A DPMCB suitable to fix in 2 module of modular switch in provided box complete & duly concealed with necessary material and connected.	219.00	Each
13888 Chapter 1-8-48 8	Supplying and erecting PVC Surface modular double mounting plate 1 module complete duly erected in an approved manner.	66.00	Each
13888 Chapter 1-8-49 9	Supplying and erecting PVC Surface modular double mounting plate 2 module complete duly erected in an approved manner.	66.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
13889 0	Chapter 1-8-50 Supplying and erecting PVC Surface modular double mounting plate 3 module complete duly erected in an approved manner.	73.00	Each
13889 1	Chapter 1-8-51 Supplying and erecting PVC Surface modular double mounting plate 4 module complete duly erected in an approved manner.	79.00	Each
13889 2	Chapter 1-8-52 Supplying and erecting PVC Surface modular double mounting plate 6 module complete duly erected in an approved manner.	122.00	Each
13889 3	Chapter 1-8-53 Supplying and erecting PVC Surface modular double mounting plate 8 module complete duly erected in an approved manner.	143.00	Each
13889 4	Chapter 1-8-54 Supplying and erecting PVC Surface modular double mounting plate 12 module complete duly erected in an approved manner.	183.00	Each
13889 5	Chapter 1-8-55 Supplying and erecting PVC Surface modular double mounting plate 16/18 module complete duly erected in an approved manner.	206.00	Each
13889 6	Chapter 1-8-56 Supplying and erecting Modular type 5 pin socket with safety shutters 3 module socket 6A. 240V AC supply, ISI approved and marked make duly erected on provided plate and box with wiring connections complete duly erected in approved manner.	168.00	Each
13889 7	Chapter 1-8-57 Supplying and erecting Modular safety power strip with one modular switch 16A and three sockets each 13A combination with overload and surge protection unit on double mounting plate complete duly erected in an approved manner.	1,127.00	Each
13889 8	Chapter 1-8-58 Supplying and erecting Modular switch with LED indicator available to connect in a switch board to glow LED when connected load is off, on provided double mounting plate complete duly erected in an approved manner.	116.00	Each
13889 9	Chapter 1-8-59 Supplying and erecting Modular type USB Charger socket of 1 Module with nominal output voltage of 5 VDC + 5/- 5% and Nominal output current of 5 V - 750 mA , ISI mark approved make duly erected on provided plate and box with wiring connections complete.	578.00	Each
	Chapter 1-9 Point Wiring (WG-PW)		
13890 0	Chapter 1-9-1 Point wiring for light/fan/bell in 20 mm metal conduit with 1.5 sq.mm (2+1E) FR grade copper wire, flush type switch, earthing and required accessories as per specification No: WG-PW/SW	672.00	point
13890 1	Chapter 1-9-2 Point wiring in for light/fan/bell in 20 mm metal conduit with 1.5 sq.mm (2+1E) FRLS grade copper wire, flush type switch, earthing and required accessories as per specification No: WG-PW/SW	609.00	point

		Rate In (Rs)	
	Item Description	Rate	Unit
13890 Chapter 1-9-3 2	Point wiring for independent plug in 20 mm metal conduit with 1.5 sq.mm (2+1E) FR grade copper wire, flush type switch, earthing and required accessories as per specification No: WG-PW/SW	713.00	point
13890 Chapter 1-9-4 3	Point wiring for independent plug in 20 mm metal conduit with 1.5 sq.mm (2+1E) FRLS grade copper wire, flush type switch, earthing and required accessories as per specification No: WG-PW/SW	648.00	point
13890 Chapter 1-9-5 4	Point wiring for light/fan/bell in 20 mm rigid PVC conduit with 1.5 sq.mm (2+1E) FR grade copper wire, flush type switch, earthing and required accessories as per specification No: WG-PW/SW	375.00	point
13890 Chapter 1-9-6 5	Point wiring for light/fan/bell in 20 mm rigid PVC conduit with 1.5 sq.mm (2+1E) FRLS grade Copper wire with flush type switch and required accessories as per specification No: WG-PW/SW	382.00	point
13890 Chapter 1-9-7 6	Point wiring for independent plug in 20 mm rigid PVC conduit with 1.5 sq.mm (2+1E) FR grade copper wire, flush type switch, earthing and required accessories as per specification No: WG-PW/SW	398.00	point
13890 Chapter 1-9-8 7	Point wiring for independent plug in 20 mm rigid PVC conduit with 1.5 sq.mm (2+1E) FRLS grade copper wire, flush type switch, earthing and required accessories as per specification No: WG-PW/SW	408.00	point
13890 Chapter 1-9-9 8	Point wiring for light/fan/bell concealed type in min 20 mm PVC conduit with 1.5 sq.mm. (2+1E) FR grade copper wires, modular type switch, earthing and required accessories as per specification No: WG-PW/CW	554.00	point
13890 Chapter 1-9-10 9	Supplying and Drawing of 2x1.5 sq.mm. FR grade copper wires with 1.5 sqmm earth wire in provided concealed pipes for concealed type light/fan/bell point wiring and terminating on modular accessories in box for point wiring for light/fan/bell as per specification No: WG-PW/CW	351.00	point
13891 Chapter 1-9-11 0	Point wiring for independent plug, concealed type in min 20 mm PVC conduit with 1.5 sq.mm (2+1E) FR grade copper wires, modular type switch and socket, earthing and required accessories as per specification No WG-PW/SW	602.00	point
13891 Chapter 1-9-12 1	Supplying and drawing of 2x1.5 sq.mm. FR grade copper wires with 1.5 sqmm earth wire in provided concealed pipes and terminating on modular accessories in box for point wiring for independent plug as per specification No WG-PW/SW	479.00	point
13891 Chapter 1-9-13 2	Wiring for plug on board with Switch socket with copper wiring and earthing as per specification No:WG-PW/SW	93.00	point

		Rate In (Rs)	
	Item Description	Rate	Unit
13891 3	Chapter 1-9-14 Wiring for plug on board with Switch socket concealed type and copper wiring, earthing and with modular accessories as per specification No: WG-PW/CW	454.00	point
13891 4	Chapter 1-9-15 Point wiring for light/fan/bell /exhaust fan Hybrid type (Surface type under false ceiling and concealed type for drops & switch boards on walls) in min 20 mm PVC conduit / casing n capping with 1.5 sq.mm. (2+1E) FR grade copper wires, modular type switch, earthing and required accessories as per specification No: WG-PW/CW	493.00	point
13891 5	Chapter 1-9-16 Point wiring in PVC trunking (casing-capping) with 1.5 sq.mm (2+1E) FR grade copper wire, flush type switch,earthing and required accessories as per specification No: WG-PW/SW	272.00	point
13891 6	Chapter 1-9-17 Point wiring in PVC trunking (casing-capping) with 1.5 sq.mm (2+1E) FRLS grade copper wire, flush type switch,earthing and required accessories as per specification No: WG-PW/SW	279.00	point
13891 7	Chapter 1-9-18 Point wiring for independent plug in PVC trunking (casing-capping) with 1.5 sq.m (2+1E) FR grade copper wire with flush type switch and required accessories as per specification No: WG-PW/SW	323.00	point
13891 8	Chapter 1-9-19 Point wiring for independent plug in PVC trunking (casing-capping) with 1.5 sq.mm FRLS grade copper wire, flush type switch,earthing and required accessories as per specification No: WG-PW/SW	333.00	point
13891 9	Chapter 1-9-20 Concealing provided M.S./ PVC switch box in wall with finishing in an approved manner as per specification No: WG-PW/CW	50.00	Each
13892 0	Chapter 1-9-22 Refilling the holes for dismantled point wiring with cement mortar & finishing in an approved manner.	28.00	point
13892 1	Chapter 1-9-23 Secondary Point wiring for additional light/ Bell point, concealed type in min 20 mm PVC conduit with 1.5 sq.mm. (2+1E) FR/FRLS grade copper wires with required accessories as per specification No: WG-PW/CW	156.00	point
13892 2	Chapter 1-9-24 Secondary Point wiring for additional light/ Bell point in PVC trunking (casing-capping) with 1.5 sq.m (2+1E) FR / FRLS grade copper wire with required accessories as per specification No: WG-PW/SW	152.00	point
13892 3	Chapter 1-9-25 Secondary Point wiring for additional light/ Bell point in min 20 mm metal conduit with 1.5 sq.m (2+1E) FR/FRLS grade copper wire with required accessories as per specification No: WG-PW/SW	266.00	point
Chapter 1-10 Telephone Wiring(WG-TW/TW)			

			Rate In (Rs)	
Item Description			Rate	Unit
13892	Chapter 1-10-2	Supplying & erecting telephone cable 2 pair with 0.5 mm dia. laid in provided PVC casing / conduit as per specification No. WG-TW	19.00	Meter
4				
13892	Chapter 1-10-3	Supplying & erecting telephone cable 3 pair with 0.5 mm dia. laid in provided PVC casing / conduit as per specification No. WG-TW	24.00	Meter
5				
13892	Chapter 1-10-4	Supplying & erecting telephone cable 4 pair with 0.5 mm dia. laid in provided PVC casing / conduit as per specification No. WG-TW	31.00	Meter
6				
13892	Chapter 1-10-5	Supplying & erecting telephone cable 5 pair with 0.5 mm dia. laid in provided PVC casing / conduit as per specification No. WG-TW	40.00	Meter
7				
13892	Chapter 1-10-6	Supplying & erecting telephone cable 10 pair with 0.5 mm dia. laid in provided PVC casing / conduit as per specification No. WG-TW	66.00	Meter
8				
13892	Chapter 1-10-7	Supplying & erecting telephone cable 20 pair with 0.5 mm dia. laid in provided PVC casing / conduit as per specification No. WG-TW	119.00	Meter
9				
13893	Chapter 1-10-8	Supplying & erecting telephone cable 50 pair with 0.5 mm dia. laid in provided PVC casing / conduit as per specification No. WG-TW	286.00	Meter
0				
13893	Chapter 1-10-9	Supplying & erecting telephone cable 100 pair with 0.5 mm dia. laid in provided PVC casing / conduit as per specification No. WG-TW	551.00	Meter
1				
13893	Chapter 1-10-10	Supplying & erecting Jelly filled unarmoured Telephone Cable 10 pair with 0.5 mm dia. laid in provided PVC casing / conduit as per specification No. WG-TW	96.00	Meter
2				
13893	Chapter 1-10-11	Supplying & erecting Jelly filled unarmoured Telephone Cable 20 pair with 0.5 mm dia. laid in provided PVC casing / conduit as per specification No. WG-TW	153.00	Meter
3				
13893	Chapter 1-10-12	Supplying & erecting Jelly filled unarmoured Telephone Cable 50 pair with 0.5 mm dia. laid in provided PVC casing / conduit as per specification No. WG-TW	339.00	Meter
4				
13893	Chapter 1-10-13	Supplying & erecting Jelly filled unarmoured Telephone Cable 100 pair with 0.5 mm dia. laid in provided PVC casing / conduit as per specification No. WG-TW	613.00	Meter
5				
13893	Chapter 1-10-14	Supplying & erecting Jelly filled armoured telephone cable 10 pair with 0.5 mm dia. laid in provided trench as per specification No. WG-TW	126.00	Meter
6				
13893	Chapter 1-10-15	Supplying & erecting Jelly filled armoured telephone cable 20 pair with 0.5 mm dia. laid in provided trench as per specification No. WG-TW	170.00	Meter
7				
13893	Chapter 1-10-16	Supplying & erecting Jelly filled armoured telephone cable 50 pair with 0.5 mm dia. laid in provided trench as per specification No.	364.00	Meter
8				

			Rate In (Rs)	
Item Description			Rate	Unit
		WG-TW		
13893	Chapter 9 1-10-17	Supplying & erecting Jelly filled armoured telephone cable 100 pair with 0.5 mm dia. laid in provided trench as per specification No. WG-TW	617.00	Meter
13894	Chapter 0 1-10-18	Supplying & erecting Jumper wire with 0.5 mm dia as per specification No. WG-TW	18.00	Meter
13894	Chapter 1 1-10-19	Supplying & installing Co-axial cable low voltage grade RG-11 as per specification No. WG-TW	61.00	Meter
	Chapter 1-11	Telephone Accessories (WG-TW/TA)		
13894	Chapter 1-11-1 2	Supplying, erecting & commissioning Main Distribution Frame (MDF) Box 50x50 pairs as per specification No. WG-TW	1,844.00	Each
13894	Chapter 1-11-2 3	Supplying, erecting & commissioning MDF Box 60 x 60 pairs as per specification No. WG-TW	1,982.00	Each
13894	Chapter 1-11-3 4	Supplying, erecting & commissioning MDF Box 100 x 100 pairs as per specification No. WG-TW	3,013.00	Each
13894	Chapter 1-11-4 5	Supplying, erecting & commissioning MDF Box 150 x 150 pairs as per specification No. WG-TW	4,234.00	Each
13894	Chapter 1-11-5 6	Supplying, erecting & commissioning MDF Box 200 x 200 pairs as per specification No. WG-TW	6,178.00	Each
13894	Chapter 1-11-6 7	Supplying, erecting & commissioning MDF Box 250 x 250 pairs as per specification No. WG-TW	7,824.00	Each
13894	Chapter 1-11-7 8	Supplying, erecting & commissioning MDF Box 300 x 300 pairs as per specification No. WG-TW	8,928.00	Each
13894	Chapter 1-11-8 9	Supplying, erecting & commissioning MDF Box 400 x 400 pairs as per specification No. WG-TW	12,857.00	Each
13895	Chapter 1-11-9 0	Supplying, erecting & commissioning MDF Box 500 x 500 pairs as per specification No. WG-TW	15,986.00	Each
13895	Chapter 1 1-11-10	Supplying, erecting & commissioning MDF Box 600 x 600 pairs as per specification No. WG-TW	18,839.00	Each
13895	Chapter 2 1-11-11	Supplying, erecting & commissioning MDF Box 800 x 800 pairs as per specification No. WG-TW	28,120.00	Each
13895	Chapter 3 1-11-12	Supplying, erecting & commissioning Junction box suitable for 10 pairs as per specification No. WG-TW	589.00	Each
13895	Chapter 4 1-11-13	Supplying, erecting & commissioning Junction box suitable for 20 pairs as per specification No. WG-TW	706.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
13895	Chapter 5	1-11-14	Supplying, erecting & commissioning Junction box suitable for 30 pairs as per specification No. WG-TW	947.00 Each
13895	Chapter 6	1-11-15	Supplying, erecting & commissioning Junction box suitable for 40 pairs as per specification No. WG-TW	1,023.00 Each
13895	Chapter 7	1-11-16	Supplying, erecting & commissioning Junction box suitable for 50 pairs as per specification No. WG-TW	1,271.00 Each
13895	Chapter 8	1-11-17	Supplying, erecting & commissioning Junction box suitable for 60 pairs as per specification No. WG-TW	1,346.00 Each
13895	Chapter 9	1-11-18	Supplying, erecting & commissioning Junction box suitable for 100 pairs as per specification No. WG-TW	1,942.00 Each
13896	Chapter 0	1-11-19	Supplying, erecting & commissioning Junction box suitable for 150 pairs as per specification No. WG-TW	2,420.00 Each
13896	Chapter 1	1-11-20	Supplying, erecting & commissioning Krone module of 10 pairs as per specification No. WG-TW	313.00 Each
13896	Chapter 2	1-11-21	Supplying & erecting Over Voltage protection Magazine suitable for 10 pair as per specification No. WG-TW	326.00 Each
13896	Chapter 3	1-11-22	Supplying & erecting Rosette box RJ type Bakelite box on wall with LED indication duly connected as per specification No. WG-TW	103.00 Each
13896	Chapter 4	1-11-23	Supplying and erecting Broadband splitter unit with 1 input & 2 output RJ 11 female connectors.	236.00 Each
13896	Chapter 5	1-11-24	Supplying, installing, testing & commissioning analogue type EPABX of 3 x 8 extension complete.	13,176.00 Per Job
13896	Chapter 6	1-11-25	Supplying, installing, testing & commissioning analogue type EPABX of 3 x 8 extension complete with CLI and Voice DISA (Direct inward station access) as per specification No. WG-TW.	14,458.00 Per Job
13896	Chapter 7	1-11-26	Supplying, installing, testing & commissioning Digital (Hybrid) type EPABX of 3 x 8(2 Digital+6 Analogue) extensions complete.	24,066.00 Per Job
13896	Chapter 8	1-11-27	Supplying, installing, testing & commissioning Digital (Hybrid) type EPABX of 4 x 12(2 Digital+10 Analogue) extension complete.	30,470.00 Per Job
13896	Chapter 9	1-11-28	Supplying, installing, testing & commissioning Digital (Hybrid) type EPABX of 6 x 16(2 Digital+14 Analogue) extension complete.	37,516.00 Per Job
13897	Chapter 0	1-11-29	Supplying and installing, testing & commissioning of Digital (Hybrid) type EPABX of 8 x 20 (4 Digital+ 16 analog) extensions suitable upto 120 extensions	51,165.00 Per Job
13897	Chapter 1	1-11-30	Supplying, installing, testing & commissioning Internet protocol digital type EPABX for 10 IP extensions complete.	24,779.00 Per Job

			Rate In (Rs)	
Item Description			Rate	Unit
13897 2	Chapter 1-11-31	Supplying, installing, testing & commissioning approved type Push button telephone instrument desk top/wall mount unit as per specification in approved manner	689.00	Each
13897 3	Chapter 1-11-32	Supplying, installing, testing & commissioning approved type Push button telephone instrument desk top/wall mount with caller ID unit as per specification in approved manner	862.00	Each
13897 4	Chapter 1-11-33	Supplying, installing, testing & commissioning approved type Digital key telephone / IP telephone instrument as per specification in approved manner.	5,972.00	Each
Chapter 1-12 Computer Cabling (WG-COC)				
13897 5	Chapter 1-12-1	Supplying & installing UTP networking Cat-6 cable suitable for LAN / WAN Computer net-working as per specification No. WG-COC/NC	41.00	Meter
13897 6	Chapter 1-12-2	Supplying and fixing Cat-6 LSZH cable suitable for LAN / WAN as per specification in approved manner	48.00	Meter
13897 7	Chapter 1-12-3	Supplying & installing UTP networking Cat-6+ cable suitable for LAN / WAN Computer net-working as per specification no. WG-COC/NC	64.00	Meter
13897 8	Chapter 1-12-4	Supplying and fixing Cat-6A LSZH cable suitable for LAN / WAN as per specification in approved manner	68.00	Meter
13897 9	Chapter 1-12-5	Supplying and fixing Cat-6 STP cable suitable for LAN / WAN as per specification in approved manner	83.00	Meter
13898 0	Chapter 1-12-6	Supplying and fixing 1 meter length, UTP Patch cord of Cat 6 type in position as per specification No. WG-COC/PC	203.00	Each
13898 1	Chapter 1-12-7	Supplying and fixing 3 meter length, UTP Patch cord of Cat 6 type in position as per specification No. WG-COC/PC	281.00	Each
13898 2	Chapter 1-12-8	Supplying and erecting FR grade, PVC armoured multimode armoured multimode Optical Fibre Cable with 6 fibres, with core dia 50/125 µm (OM3) suitable for 1 GBps ethernet distance at 850 nm of wavelength, on wall/ceiling or laid in provided pipe/trench as per specification No. WG-COC/OFC LSZH	182.00	Meter
13898 3	Chapter 1-12-9	Supplying and erecting LSZH armoured multimode Optical Fibre Cable with 12 fibres, with core dia 50/125 µm (OM3), suitable for 1 GBps ethernet distance at 850 nm of wavelength, on wall/ceiling or laid in provided pipe/trench as per specification No. WG-COC/OFC	267.00	Meter

			Rate In (Rs)	
Item Description			Rate	Unit
13898 Chapter 4 1-12-10	Supplying and erecting LSZH armoured multimode Optical Fibre Cable with 24 fibres, with core dia 50/125 µm (OM3), suitable for 1 GBps ethernet distance at 850 nm of wavelength, on wall/ceiling or laid in provided pipe/trench as per specification No. WG-COC/OFC		404.00	Meter
13898 Chapter 5 1-12-11	Supplying and erecting LSZH armoured multimode Optical Fibre Cable with 6 fibres, with core dia 50/125 µm (OM4) suitable for 1 GBps ethernet distance at 850 nm of wavelength, on wall/ceiling or laid in provided pipe/trench as per specification No. WG-COC/OFC		1,008.00	Meter
13898 Chapter 6 1-12-12	Supplying and erecting LSZH armoured multimode Optical Fibre Cable with 12 fibres, with core dia 50/125 µm (OM4) suitable for 1 GBps ethernet distance at 850 nm of wavelength, on wall/ceiling or laid in provided pipe/trench as per specification No. WG-COC/OFC		1,672.00	Meter
13898 Chapter 7 1-12-13	Supplying and erecting LSZH armoured multimode Optical Fibre Cable with 24 fibres, with core dia 50/125 µm (OM4) as per specification in approved manner		2,855.00	Meter
13898 Chapter 8 1-12-14	Supplying and plugging FRLS duplex 3 meter length, Fibre Patch cord LC-SC MM(50) OM3 LSZH DUPLEX complete as per specification No. WG-COC/FPC		2,206.00	Each
13898 Chapter 9 1-12-15	Supplying and plugging FRLS duplex 3 meter length, Fibre Patch cord LC-SC MM(50) OM4 LSZH DUPLEX complete as per specification No. WG-COC/FPC		2,525.00	Each
13899 Chapter 0 1-12-16	Supplying and plugging FRLS duplex 3 meter length, Fibre Patch cord LC-LC MM(50) OM3 LSZH DUPLEX complete as per specification No. WG-COC/FPC		2,659.00	Each
13899 Chapter 1 1-12-17	Supplying and plugging FRLS duplex 3 meter length, Fibre Patch cord LC-LC MM(50) OM4 LSZH DUPLEX complete as per specification No. WG-COC/FPC		3,916.00	Each
13899 Chapter 2 1-12-18	Supplying and fixing 2 meter length, UTP Patch cord of Cat 6 type in position as per specification No. WG-COC/PC		241.00	Each
Chapter 1-13	Networking Components (WG- NWC)			
13899 Chapter 3 1-13-1	Supplying, fixing, and configuring Web Smart Power over Ethernet Switch of 24 Ports on provided rack or as directed as per specification No. WG-NWC/ENS		43,461.00	Each
13899 Chapter 4 1-13-2	Supplying, fixing, and configuring Managed L2 Power over Ethernet Switch of 20 Ports + 4G Combo Port as per specification in approved manner		1,02,956.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
13899	Chapter 1-13-3	Supplying, fixing, and configuring 589Watt Redundant Power Supply system as per specification in approved manner	73,780.00	Each
13899	Chapter 1-13-4	Supplying, fixing, and configuring Ethernet Managed Ethernet Switch of 24 Ports with 2 SFP + 2 Combo Port and Web View/CLI on provided rack or as directed as per specification no. WG-NWC/GBS	27,409.00	Each
13899	Chapter 1-13-5	Supplying, fixing, and configuring GB Managed Ethernet Layer 2 Switch of 20 Ports + 4 SFP Combo and Web View/CLI as per specification in approved manner	51,504.00	Each
13899	Chapter 1-13-6	Supplying, fixing, and configuring GB Managed Ethernet Layer 2+ Switch of 20 Ports+4 SFP Combo+10GE SFP+ and Web View/CLI as per specification in approved manner	17,756.00	Each
13899	Chapter 1-13-7	Supplying, fixing, and configuring 10G Base -SR SFP Plus MM Transceiver as per specification in approved manner	39,496.00	Each
13900	Chapter 1-13-8	Supplying, fixing, and configuring Layer 3/ 20 10/100/1000 Base-T ports + 4 Combo 10/100/1000Base-T/SFP ports + 4 10GE SFP+ ports - SI Image as per specification in approved manner	2,27,461.00	Each
13900	Chapter 1-13-9	Supplying, fixing, and configuring 10G Base -SR SFP Plus MM Transceiver as per specification in approved manner	44,970.00	Each
13900	Chapter 1-13-10	Supplying, fixing, and configuring 1-port mini-GBIC SX Mutli-mode Fibre Transceiver (up to 550m, support 3.3V power) as per specification in approved manner	10,197.00	Each
13900	Chapter 1-13-11	Supplying, fixing, and configuring Broadband ADSL Router with all accessories, on provided rack or as directed as per specification No. WG-NWC/ADSL	3,976.00	Each
13900	Chapter 1-13-12	Supplying, fixing, and configuring Modularised Multi-service Router as per specification in approved manner	1,43,646.00	Each
13900	Chapter 1-13-13	Supplying, fixing, and configuring Dual-path serial card as per specification in approved manner	32,848.00	Each
13900	Chapter 1-13-14	Supplying, fixing, and configuring DB-60 (male) to 2 x DB-34 (male) for V.35 DTE as per specification in approved manner	2,915.00	Each
	Chapter 1-14	Networking Accessories (WG-NAS)		
13900	Chapter 1-14-1	Supplying, installing & testing UTP Connector (RJ-45) as per specification No. WG-NAS/UTPC.	79.00	Each
13900	Chapter 1-14-2	Supplying and fixing Tool-less Information Outlet (Ethernet) flush/surface type in position as per specification no. WG-NAS/IO	401.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
13900 9	Chapter 1-14 -3	Supplying and fixing Tool-less shutter Keystone Jack (RJ-45) in provided Patch Panel complete as per specification no. WG-NAS/KJ	92.00	Each
13901 0	Chapter 1-14 -4	Supplying and fixing 24 port Patch Panel with tool-less keystone jacks in provided U Rack complete as per specification no. WG-NAS/PP	9,516.00	Each
13901 1	Chapter 1-14 -5	Supplying and fixing Rack mounted type 12 Ports, Light guide unloaded Interconnect Unit with adapter Panel for termination of Optical fibre cables on wall/ provided U Rack complete as per specification no. WG-NAS/ LIU	3,702.00	Each
13901 2	Chapter 1-14 -6	Supplying and fixing Wall Mount 12 Ports, Light guide unloaded Interconnect Unit with adapter Panel as per specification in approved manner	3,823.00	Each
13901 3	Chapter 1-14 -7	Supplying and fixing 1 X 6 Duplex Adapter Panel - SC as per specification in approved manner	259.00	Each
13901 4	Chapter 1-14 -8	Supplying and fixing Rack type 24 Ports, Light guide Interconnect Unit with adapter panel for termination of Optical fibre cables on wall/ provided U Rack complete as per specification no. WG-NAS/ LIU	3,942.00	Each
13901 5	Chapter 1-14 -9	Supplying and fixing Wall Mount 24 Ports, Light guide Interconnect Unit with adapter panel as per specification in approved manner	4,310.00	Each
13901 6	Chapter 1-14 -10	Supplying and fixing 1 X 12 Duplex Adapter Panel - SC as per specification in approved manner	284.00	Each
13901 7	Chapter 1-14 -11	Supplying and fixing SC/LC type Multimode Duplex Adaptor to couple two connectors between OFC & Fibre switch/Fibre module as per specification no. WG-NAS/MMA	471.00	Each
13901 8	Chapter 1-14 -12	Supplying and fixing SC/LC type Multimode Duplex Adaptor as per specification in approved manner	478.00	Each
13901 9	Chapter 1-14 -13	Supplying and fixing SC/LC type Multimode Pigtails (OM3) for LIU to terminate OFC in LIU as per specification No. WG-NAS/LIU2	589.00	Each
13902 0	Chapter 1-14 -14	Supplying and fixing SC/LC type Multimode Pigtails (OM3) as per specification in approved manner	672.00	Each
13902 1	Chapter 1-14 -15	Supplying and fixing SC/LC type Multimode Pigtails (OM4) as per specification in approved manner	1,060.00	Each
13902 2	Chapter 1-14 -17	Supplying and fixing Power over Ethernet Adaptor to provide DC supply to Ethernet devices as per specification No. WG-NAS/PEA	3,590.00	Each
13902 3	Chapter 1-14 -18	Supplying and fixing 36 U Rack for Networking with necessary arrangement for fixing required 16A/6A Switches & Plugs for LAN	5,066.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
		network as per specification No. WG-NAS/RAK		
13902	Chapter 1-14 4 -19	Supplying and fixing 6U Wall Mount Rack (Dimension-DxWXH - 450X550X367 mm) as per specification in approved manner	5,976.00	Each
13902	Chapter 1-14 5 -20	Supplying and fixing 9U Wall Mount Rack (Dimension-DxWXH - 450X550X500 mm) as per specification in approved manner	7,182.00	Each
13902	Chapter 1-14 6 -21	Supplying and fixing 12U Wall Mount Rack (Dimension-DxWXH - 450X550X635 mm) as per specification in approved manner	7,989.00	Each
13902	Chapter 1-14 7 -22	Supplying and fixing 15U Wall Mount Rack (Dimension-DxWXH - 450X550X767 mm) as per specification in approved manner	9,107.00	Each
13902	Chapter 1-14 8 -23	Supplying and fixing 36U Floor Mount Rack (Dimension-DxWXH - 800X600X1600 mm) as per specification in approved manner	45,674.00	Each
13902	Chapter 1-14 9 -24	Supplying and fixing 42U Floor Mount Rack (Dimension-DxWXH - 800X600X1866 mm)	59,547.00	Each
13903	Chapter 1-14 0 -25	Supplying and fixing Wireless Wireless N 150 Desktop Adapter in provided computer as per specification No. WG-NAS/LANC2	1,166.00	Each
13903	Chapter 1-14 1 -26	Supplying and fixing Manageable Wireless Air Premier N 2.4GHz PoE Access Point (5 dBi antenna) in WLAN network as per specification no. WG-NAS/LAP1	19,381.00	Each
13903	Chapter 1-14 2 -27	Supplying and fixing 11n 2.4 GHz single band PoE Access Point as per specification in approved manner	22,149.00	Each
13903	Chapter 1-14 3 -28	Supplying and fixing High Performance Manageable Wireless N Selectable Dual band Access Point w PoE in WLAN network as per specification no. WG-NAS/LAP2	24,845.00	Each
13903	Chapter 1-14 4 -29	Supplying and fixing 11n Unified N Concurrent Dual-band PoE Access Point as per specification in approved manner	29,268.00	Each
13903	Chapter 1-14 5 -30	Supplying and fixing 20 10/100/1000Base-T ports Unified Management Switch with 4 Combo 1000Base-T/SFP ports and 12 Access Point Management Ability as per specification in approved manner	1,25,915.00	Each
13903	Chapter 1-14 6 -31	Supplying and activating Physical License Pack software for supporting 12 Additional APs on DWS-3160-24TC	30,634.00	Each
13903	Chapter 1-14 7 -32	Supplying and activating Physical License Pack software for supporting 24 Additional APs on DWS-3160-24TC	44,345.00	Each
13903	Chapter 1-14 8 -33	Supplying, fixing, and configuring 8-ports 10/100/1000Mbps Unmanaged Gigabit PoE Switch(New)	14,810.00	Each

			Rate In (Rs)	
	Item Description	Rate	Unit	
13903 9	Chapter 1-14 -34	Supplying, fixing, and configuring 8-ports Managed Gigabit Switches Layer-2, 10/100/1000 Base-T PoE Smart Switch plus 2 SFP only(New)	21,002.00	Each
13904 0	Chapter 1-14 -35	Supplying, fixing, and configuring 20 SFP ports + 4 Combo SFP/10/100/1000Base-T(New)	1,74,157.00	Each
13904 1	Chapter 1-14 -36	Supplying, fixing, and configuring 48 Ports Managed Gigabit Switches Layer-2 48 10/100/1000Base-T ports L2+ Management Switch with 4 10GE SFP+ ports (New)	1,63,599.00	Each
13904 2	Chapter 1-14 -37	Supplying, fixing, and configuring Managed Gigabit Switches 48 Ports 10/100/1000Mbps + 4 SFP Ports (New)	55,659.00	Each
13904 3	Chapter 1-14 -38	Supplying, fixing, and configuring Media Convertor 1000Base-T to 1000Base-SX SC Multi-mode Media Converter (550m) (New)	11,595.00	Each
13904 4	Chapter 1-14 -39	Supplying & installing UTP networking CAT 7 Cable , 4 pair 23 AWG CAT6A LSZH LAN Cable, standards like ANSI/TIA 568 C.2, EN50173, IEC 11801 2nd ED, 600Mhz Speed.frequency tested upto 700Mhz with Third Party Certificate etc.	121.00	Each
13904 5	Chapter 1-14 -40	Supplying & installing Single Mode OS1/OS2 - Armoured - 6 Core OS1/OS2 Armoured Single mode Optical Fiber of size 50/125µm. 10/40 Gbps Speed.In Provided Underground HDPE Pipe	87.00	Each
13904 6	Chapter 1-14 -41	Supplying & installing Single Mode OS1/OS2 - Armoured - 12 Core OS1/OS2 Armoured Single mode Optical Fiber of size 50/125µm. 10/40 Gbps Speed. In Provided Underground HDPE Pipe	99.00	Each
13904 7	Chapter 1-14 -42	Supplying & installing Single Mode OS1/OS2 - Armoured - 12 Core OS1/OS2 Armoured Single mode Optical Fiber of size 50/125µm. 10/40 Gbps Speed. In Provided Underground HDPE Pipe	99.00	Each
13904 8	Chapter 1-14 -43	Supplying & installing Single Mode Fibre Patch Cord Patch Cords - 3 m – Duplex	2,009.00	Each
13904 9	Chapter 1-14 -44	Supplying & installing Single Mode Fibre Adaptor with Plate - 6 Port	3,647.00	Each
13905 0	Chapter 1-14 -45	Supplying & installing Single Mode PIGTAIL SIMPLEX	603.00	Each
	Chapter 1-15	Dismantling (WG-DM)		
13905 1	Chapter 1-15-1	Dismantling the existing light, fan, bell, clock, independent plug point, wiring including circuit mains of all types along with accessories etc.complete as per specification No: WG-DM/PW	7.00	point
13905 2	Chapter 1-15-2	Dismantling the existing Telephone / Lan / Wan / TV cables and wires of all sizes along with casing-capping / conduit complete as	4.00	Meter

Rate Card

PMC

Effective Date 01/04/2018

		Rate In (Rs)	
Item Description	Rate	Unit	

per specification No: WG-DM/PW

13905 Chapter 1-15-3 Dismantling the existing Aluminium/copper mains, sub-mains wiring upto 10 sq.mm. along with accessories etc.Complete as per specification No: WG-DM/PW	2.00	Meter	
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Specification:

Rate Card

PMC

Effective Date 01/04/2018**Chapter Name** Fittings (FG)**Rate In (Rs)**

		Item Description	Rate	Unit
Chapter 2 -1		Lamps and Tubes for Indoor & Outdoor (FG-LP)		
13905 4	Chapter 2 -1-1	Supplying and erecting Pigmy /candle lamp miniature type coloured/ white.	24.00	Each
13905 5	Chapter 2 -1-2	Supplying and erecting T8 Fluorescent tube day light 600mm 18 W	28.00	Each
13905 6	Chapter 2 -1-3	Supplying and erecting T8 Fluorescent tube day light 1200mm 36 W	46.00	Each
13905 7	Chapter 2 -1-4	Supplying and erecting T8 Fluorescent tube triphosper/Turband phosper 36 W.	87.00	Each
13905 8	Chapter 2 -1-5	Supplying and erecting T5 14 W energy efficient fluorescent tube.	83.00	Each
13905 9	Chapter 2 -1-6	Supplying and erecting T5 24 W Energy Efficient fluorescent tube.	108.00	Each
13906 0	Chapter 2 -1-7	Supplying and erecting T5 28 W energy efficient fluorescent tube.	96.00	Each
13906 1	Chapter 2 -1-8	Supplying & erecting 0.5W, 230V integral type LED Lamp suitable for B-22/E-27 base.	73.00	Each
13906 2	Chapter 2 -1-9	Supplying & erecting 2W-3W, 230V integral type LED Lamp suitable for B-22/E-27 base.	147.00	Each
13906 3	Chapter 2 -1-10	Supplying & erecting 5W-8W, 230V integral type LED Lamp suitable for B-22/E-27 base.	227.00	Each
13906 4	Chapter 2 -1-11	Supplying & erecting ready to use Retrofit T8 LED 18 / 20 tube light with polycarbonate body, heat sink, integrated HF electronic driver complete & compatible to T8 / T12 LED luminaire by disconnecting starter & ballast if necessary.	593.00	Each
13906 5	Chapter 2 -1-12	Supplying and erecting HPSV lamp 3 pin BC/Screwed cap head / pin type 230V,70 W SON type.	185.00	Each
13906 6	Chapter 2 -1-13	Supplying and erecting HPSV lamp 3 pin BC/Screwed cap head /pin type 230V,150 W SON type.	515.00	Each
13906 7	Chapter 2 -1-14	Supplying and erecting HPSV lamp 3 pin BC/Screwed cap head /pin type 230V,250 W SON type.	597.00	Each
13906 8	Chapter 2 -1-15	Supplying and erecting HPSV lamp 3 pin BC/Screwed cap head /pin type 230V,400 W SON type.	651.00	Each
13906 9	Chapter 2 -1-16	Supplying and erecting HPSV lamp 3 pin BC/Screwed cap head /pin type 230V,70 W SON-T-type.	185.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
13907 0	Chapter 2 -1-17	Supplying and erecting HPSV lamp 3 pin BC/Screwed cap head /pin type 230V, 150 W SON-T-type.	515.00	Each
13907 1	Chapter 2 -1-18	Supplying and erecting HPSV lamp 3 pin BC/Screwed cap head /pin type 230V, 250 W SON-T-type.	597.00	Each
13907 2	Chapter 2 -1-19	Supplying and erecting HPSV lamp 3 pin BC/Screwed cap head /pin type 230V, 400 W SON-T-type.	651.00	Each
13907 3	Chapter 2 -1-20	Supplying and erecting Metal Halide lamp double ended 230V, 70 W .	366.00	Each
13907 4	Chapter 2 -1-21	Supplying and erecting Metal Halide lamp double ended 230V,150 W .	383.00	Each
13907 5	Chapter 2 -1-22	Supplying and erecting Metal Halide lamp double ended 230V, 250 W.	646.00	Each
13907 6	Chapter 2 -1-23	Supplying and erecting Metal Halide lamp double ended 230V, 400 W.	679.00	Each
13907 7	Chapter 2 -1-24	Erection of Deptt. supplied HPSV/MH/SON/SON-T/LED Type bulb.	20.00	Each
13907 8	Chapter 2 -1-25	Supplying & erecting 10-12W, 230V integral type LED Lamp suitable for B-22/E-27 base.	280.00	Each
13907 9	Chapter 2 -1-26	Supplying & erecting 14W, 230V integral type LED Lamp suitable for B-22/E-27 base.	318.00	Each
13908 0	Chapter 2 -1-27	Supplying & erecting 18W, 230V integral type LED Lamp suitable for B-22/E-27 base.	617.00	Each
13908 1	Chapter 2 -1-28	Erection of Deptt.supplied retrofit T8 LED 18 / 20 tube light fitting.	5.00	Each
Chapter 2 -2 Accessories for Indoor Fittings (FG-AS)				
13908 2	Chapter 2 -2-1	Supplying and erecting low watt loss Vaccum impregnated copper choke (VPIT) suitable for CFL/FTL upto 20 W as per specification No FG/AS1	203.00	Each
13908 3	Chapter 2 -2-2	Supplying and erecting low watt loss Vaccum impregnated copper choke (VPIT) suitable for CFL/FTL from 24 to 40 W as per specification No. FG/AS1	229.00	Each
13908 4	Chapter 2 -2-3	Supplying and erecting electronic ballast, pf > 0.9 or Transformer suitable for T5 lamp upto 28 W as per specification No. FG-FG/AS1	223.00	Each
13908 5	Chapter 2 -2-4	Supplying and erecting electronic ballast, pf > 0.9 or Transformer suitable for CFL/FTL upto 40 W as per specification No. FG-FG/AS1	268.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
13908	Chapter 2 -2-5	Supplying 18 / 20 /36 / 40 W tube starter 230 V as per specification No. FG-FG/AS11	15.00	Each
6				
13908	Chapter 2 -2-6	Supplying and erecting double suspension heavy duty lacquered iron chain with hooks for erecting fluo.tube light fitting with necessary shielded copper flexible wire three core of 1 sq mm for connecting leads. (for measurements half of the actual length used)	33.00	Meter
7				
13908	Chapter 2 -2-7	Supplying and erecting double suspension pipe rod of 16 gauge 20mm.dia H.G.conduit duly threaded and painted with two coats of enamel paint for erection of fluo tube light fitting with necessary check nuts and shielded copper flexible wire three core of 1 sq mm for connecting leads (for measurements half of the actual length both pipes used)	168.00	Meter
8				
13908	Chapter 2 -2-8	Supplying and erecting ball suspension plate cast aluminium erected with spring on wooden block in position.	32.00	Each
9				
13909	Chapter 2 -2-9	Providing and erecting clamps for box type / industrial type fittings with provided suspension down rod of 20 mm dia. H.G.conduit,the clamp shall be made of 25 x 3 mm MS flat with Cutting,bending,drilling erected properly with necessary nut bolt as per direction.	70.00	Each
0				
13909	Chapter 2 -2-10	Supplying and fixing wiremesh (Jali) cover suitable for fitting / fan or for any purpose, complete with necessary materials. The Jali cover shall be made from good quality G.I. wire mesh size 25 mm x 25 mm and made up of 14 SWG G.I. wire with side / supporting MS strips of suitable size.	416.00	Each
1				
13909	Chapter 2 -2-11	Supplying and erecting Bakelite call bell with 6 cm / buzzer with double coil suitable for 230V complete erected on PVC block.	63.00	Each
2				
13909	Chapter 2 -2-12	Supplying and erecting gong with double coil suitable for 230V. complete erected on polished wooden block.	73.00	Each
3				
13909	Chapter 2 -2-13	Supplying and erecting Ding Dong / electronic musical type call bell with heavy duty coil suitable to operate on 230V A.C. supply erected on polished double wooden block/sunmica block of suitable size	108.00	Each
4				
13909	Chapter 2 -2-14	Supplying and erecting luminous / modular type call bell indicator with plastic body, heavy duty coil and indicator lamp working on 230V A.C. supply with resetting arrangement complete erected on double wooden/ sunmica board	215.00	Each
5				

			Rate In (Rs)	
Item Description			Rate	Unit
13909 6	Chapter 2 -2-15	Supplying and erecting Electronic Type cordless call bell erected on T.W. board having portable bell push working on 9V. D.C.battery and (Effective range upto 45 meter) bell on 250 V A.C. supply.	420.00	Each
13909 7	Chapter 2 -2-17	Supplying and erecting condenser 4 microfarad for fluo. Fitting, as per specification No FG-FG/AS7	86.00	Each
13909 8	Chapter 2 -2-18	Supplying and erecting electronic type 600 W dimmer complete erected on provided switch board.	142.00	Each
13909 9	Chapter 2 -2-19	Supplying and erecting electronic type 300/450 W dimmer complete erected on provided switch board.	148.00	Each
Chapter 2 -3 Decorative Indoor Fittings (FG-IDF)				
13910 0	Chapter 2 -3-1	Supplying table lamp with M.S. tube with flexible joints complete suitable for lamp 1 x upto 13 W complete with lamp and 3 core round PVC flexible cord with 6A 3 pin hand shield type plug top.	1,052.00	Each
13910 1	Chapter 2 -3-2	Supplying shock proof type hand lamp with lamp holder, guarded glass and 10 m of 3 core PVC flexible cord with hand shield type 3 pin 6 Amp plug top.	143.00	Each
13910 2	Chapter 2 -3-3	Supplying and erecting plain pendent type bakelite lamp holder complete erected at position with necessary length of twin flexible wire.(upto 1m)	33.00	Each
13910 3	Chapter 2 -3-4	Supplying and erecting plain pendent type brass lamp holder complete erected at position with 20 cms glass opal shade with necessary length of twin twisted flexible wire 24 / 0.20 mm. (upto 1m)	85.00	Each
13910 4	Chapter 2 -3-5	Supplying and erecting Rod Pendent light with 20 mm dia. H.G. screwed conduit of 16 SWG duly painted with ball suspension plate, with glass opal shade complete erected on polished double wooden block with necessary PVC wire leads.	159.00	Each
13910 5	Chapter 2 -3-6	Supplying and erecting one light Wall bracket fitting with dome complete fixed on the wall.	131.00	Each
13910 6	Chapter 2 -3-7	Supplying and erecting one light wall bracket MS body & arm Chromium plated/ powder coated complete fixed on wall.	232.00	Each
13910 7	Chapter 2 -3-8	Supplying and erecting glass shade of suitable size and shape of approved colour and quality on existing decorative fitting	87.00	Each
13910 8	Chapter 2 -3-9	Supplying and erecting bulkhead fitting suitable for upto LED upto 12W fixed on wall. As per specification no.FG-IDF/BHF	200.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
13910	Chapter 2 9 -3-10	Supplying and erecting 1 light wall bracket Aluminium body & arm anodised / powder coated with decorative glass shade fixed on wall.	241.00	Each
13911	Chapter 2 0 -3-11	Supplying and erecting 2 light wall bracket Aluminium body & arm anodised / powder coated complete with lamp holder and decorative glass shade suitably erected on polished wooden board / plywood pasted with laminate.	339.00	Each
13911	Chapter 2 1 -3-12	Supplying and erecting 1 light fancy wall bracket with arm fabricated from brass duly lacquered with suitable holder and fancy glass shade duly wired erected on wall with suitable size of polished wooden / laminated board.	413.00	Each
13911	Chapter 2 2 -3-13	Supplying and erecting 2 light fancy wall bracket with arm fabricated from brass duly lacquered with suitable holder and fancy glass shade duly wired erected on wall with suitable size of polished wooden / laminated board.	658.00	Each
13911	Chapter 2 3 -3-14	Supplying & erecting approved type suspension type decorative pendent fitting single light with anodized aluminium / powder coated MS rod up to 1 m length and canopy on top provided with decorative glass shed duly wired with two core flat wire suitable lamp holder complete.	392.00	Each
13911	Chapter 2 4 -3-15	Supplying & erecting approved type suspension type decorative fitting with rise /fall arrangement, 1 light inside semi circular metallic reflector with counterweight with guide pulley / spring buffer with work shop type copper flexible wire complete with necessary hook, if required	1,352.00	Each
13911	Chapter 2 5 -3-16	Erection of Departmentally supplied fitting on PVC block connected with necessary leads for 4'40 Watts. fitting and 2'20 W. fitting and with marking the sr. no. & date of erection.	49.00	Each
13911	Chapter 2 6 -3-17	Erection of Departmentally supplied surface/recess type decorative fitting with LED on PVC block connected with necessary leads.	49.00	Each
13911	Chapter 2 7 -3-18	Erection of Departmentally supplied mirror optic type fitting on PVC block connected with necessary leads and with marking the Sr. No. & date of erection.	54.00	Each
	Chapter 2 -4	General Indoor Fittings (FG-IDF)		
13911	Chapter 2 -4-1 8	Supplying and erecting 2 x 36 / 40W FTL corrosion proof Capsule type in non corrosive polycarbonate housing and prismatic polycarbonate cover with individual high power electronic ballast saving Power factor >0.9 and working voltage range of 170 - 270V ACIP 65 protection suitable for cold storage areas to be fixed in	3,331.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
false ceiling or at ceiling or on wall complete.			
Chapter 2 -5	Indoor LED Fittings (FG-IDF/LED)		
13911 9	Chapter 2 -5-1 Supplying & erecting decorative pre-wired box type fitting/batten suitable for 4' T8 LED tube light (Excluding tube light).	261.00	Each
13912 0	Chapter 2 -5-2 Supplying and erecting LED square / circular 5 to 8W downlighter having pressure die-cast aluminium housing, opal translucent cover, mounting arrangement with board for surface type or spring loaded mounting clips for flush type complete.	734.00	Each
13912 1	Chapter 2 -5-3 Supplying and erecting LED square / circular 9 to 12W downlighter having pressure die-cast aluminium housing, opal translucent cover, mounting arrangement with board for surface type or spring loaded mounting clips for flush type complete.	1,014.00	Each
13912 2	Chapter 2 -5-4 Supplying and erecting LED square / circular 13 to 15W downlighter having pressure die-cast aluminum housing, opal translucent cover, mounting arrangement with board for surface type or spring loaded mounting clips for flush type complete.	1,182.00	Each
13912 3	Chapter 2 -5-5 Supplying and erecting LED square / circular 16 to 20W downlighter having pressure die-cast aluminium housing, opal translucent cover, mounting arrangement with board for surface type or spring loaded mounting clips for flush type complete.	1,277.00	Each
13912 4	Chapter 2 -5-6 Supplying and erecting square shaped CRCA /die-cast aluminium powder coated housing LED Panel light (slim edge-lit) suitable for upto 8 W with provision for plane front frame with translucent cover fixed to the housing complete.	723.00	Each
13912 5	Chapter 2 -5-7 Supplying and erecting square shaped CRCA /die-cast aluminium powder coated housing LED Panel light (slim edge-lit) suitable for 9 W - 12 W with provision for plane front frame with translucent cover fixed to the housing complete.	1,068.00	Each
13912 6	Chapter 2 -5-8 Supplying and erecting square / round shaped CRCA /die-cast aluminium powder coated housing LED Panel (slim edge-lit) light suitable for 13 to18W with provision for plane front frame with translucent cover fixed to the housing complete.	1,141.00	Each
13912 7	Chapter 2 -5-9 Supplying and erecting CRCA /die-cast aluminium powder coated housing LED Panel light (slim edge-lit) square / round shape suitable for 19 to 24 W with provision for plane front frame with translucent cover fixed to the housing complete.	1,745.00	Each
13912 8	Chapter 2 -5-10 Supplying and erecting square / rectangular shaped CRCA /die-cast aluminium powder coated housing LED Panel (slim edge-lit) light suitable for 25 to 32W with provision for plane front	2,762.00	Each

		Rate In (Rs)	
		Rate	Unit
Item Description			
			frame with translucent cover fixed to the housing complete.
13912	Chapter 2 9 -5-11	3,348.00	Each
			Supplying and erecting square shaped CRCA /die-cast aluminium powder coated housing LED Panel light (slim edge-lit) 600X600mm suitable for 36 W-40W with provision for plane front frame with translucent cover fixed to the housing complete.
13913	Chapter 2 0 -5-12	3,739.00	Each
			Supplying and erecting rectangular shaped CRCA /die-cast aluminium powder coated housing LED Panel (slim edge-lit) 300X1200mm of suitable for 36 to 40 W with provision for plane front frame with translucent cover fixed to the housing complete.
13913	Chapter 2 1 -5-13	2,238.00	Each
			Supplying and erecting LED flexible strip light 5m length upto 25W conforming IP 65 of any colour with driver complete.
13913	Chapter 2 2 -5-14	506.00	Each
			Supplying LED concealed type foot / step light with aluminium body for indoor application suitable for upto 5 W LED including driver and erecting by making necessary arrangement/recess in wall to make it flush with surface
13913	Chapter 2 3 -5-15	61.00	Each
			Making suitable size recess in any type of false ceiling for erection of flush type down lighter and finishing the background to match the original surface upto 20W.
13913	Chapter 2 4 -5-16	105.00	Each
			Making suitable size of recess in any type of false ceiling for erection of flush type LED Panel light 600mm x 600mm and finishing the background to match the original ceiling surface.
13913	Chapter 2 5 -5-17	2,189.00	Each
			Supplying LED concealed type foot / step light with aluminium body for Indoor/Outdoor application suitable for upto 7 W-15W LED including driver and erecting by making necessary arrangement/recess in wall to make it flush with surface
13913	Chapter 2 6 -5-18	468.00	Each
			Supplying and erecting Corridor/Passage light fitting (2 feet) including 9W LED lamp, Comprises of Extruded channel in Plastic Silver grey Color & With same Plastic end cap on provided PVC block / wooden board.
13913	Chapter 2 7 -5-19	688.00	Each
			Supplying and erecting Corridor/Passage light fitting (2 feet) including 18W LED lamp, Comprises of Extruded channel in Plastic Silver gray Color & With same Plastic end cap on provided PVC block / wooden board.
13913	Chapter 2 8 -5-20	1,216.00	Each
			Supplying and erecting decorative oval bulk head edge-lit 10W LED luminaire comprising of high brightness LED Fitting on provided PVC block / wooden board.
13913	Chapter 2 9 -5-21	569.00	Each
			Supplying & erecting T8 LED 18W tube light fitting (4 feet) with polycarbonate housing, heat sink, integrated HF electronic driver complete (including lamp).

			Rate In (Rs)	
Item Description			Rate	Unit
13914 0	Chapter 2 -5-22	Supplying & erecting T8 LED 20W tube light fitting (4 feet) with aluminium housing, heat sink, integrated HF electronic driver complete(including lamp).	877.00	Each
13914 1	Chapter 2 -5-23	Supplying and erecting LED flexible strip light 5m length upto 75W conforming IP 65 of any colour with driver complete.	4,377.00	Each
Chapter 2 -6 Accessories for Outdoor Fittings (FG-AS)				
13914 2	Chapter 2 -6-1	Supplying and erecting Street light bracket made from 25 mm. dia 'B' class G.I. Pipe, 0.6m. in length along with pole cap of 300 mm length and 80 mm dia duly welded with provided leads as per specification no.FG-BKT/BPC	483.00	Each
13914 3	Chapter 2 -6-2	Supplying and erecting Street light bracket made from 40 mm. dia 'B' class G.I. Pipe, 0.6m. in length along with pole cap of 300 mm length and 80 mm dia duly welded with provided leads as per specification no.FG-BKT/BPC	548.00	Each
13914 4	Chapter 2 -6-3	Supplying and erecting street light Wall bracket made from 25 mm.dia 'B' class G.I. pipe 1.2 m in total length complete as per specification no. FG-BKT/WB	501.00	Each
13914 5	Chapter 2 -6-4	Supplying and erecting street light Wall bracket made from 40 mm.dia 'B' class G.I. pipe 1.2 m in total length complete as per specification no. FG-BKT/WB	631.00	Each
13914 6	Chapter 2 -6-5	Supplying and erecting Street light bracket for erection of Single fitting made from 40 mm. dia 'B' class G.I. pipe 1.0 m in length along with pole cap of 300 mm length 100 mm dia duly welded as per specification no. FG-BKT/BPC	769.00	Each
13914 7	Chapter 2 -6-6	Supplying and erecting Street light bracket for erection of Double fitting made from 40 mm. dia 'B' class G.I. pipe 1.0 m in length along with pole cap of 300 mm length 100 mm dia duly welded as per specification no. FG-BKT/BPC	1,067.00	Each
13914 8	Chapter 2 -6-7	Supplying and erecting Street light bracket for erection of Single fitting on tubular welded pole with 40 mm.dia 1.0 m long "B" grade G.I.pipe along with pole cap of 125mm dia 600 mm long duly welded as per specification no. FG-BKT/BPC	1,268.00	Each
13914 9	Chapter 2 -6-8	Supplying and erecting Street light bracket for erection of Double fitting on tubular welded pole with 40 mm.dia 1.0 m long "B" grade G.I.pipe along with pole cap of 125mm dia 600 mm long duly welded as per specification no. FG-BKT/BPC	1,566.00	Each
13915 0	Chapter 2 -6-9	Supplying and erecting Street light bracket for erection of side entry fitting on pole with 40 mm. dia. 'B' grade G.I. pipe of required length complete as per specification no. FG-BKT/SLB	420.00	Meter

			Rate In (Rs)	
Item Description			Rate	Unit
13915	Chapter 2 1 -6-10	Supplying and erecting Street light bracket for erection of side entry fitting on pole with 25 mm. dia. 'B' grade G.I. pipe of required length complete as per specification no. FG-BKT/SLB	331.00	Meter
13915	Chapter 2 2 -6-11	Supplying and erecting Control gear 1x250W for HPSV/MH lamp with all accessories for NON Integral Flood light fittings suitable for complete	3,190.00	Each
13915	Chapter 2 3 -6-12	Supplying and erecting Control gear for NON Integral Flood light fittings suitable for 1x400W HPSV/MH lamp with all accessories complete.	4,189.00	Each
13915	Chapter 2 4 -6-13	Supplying and erecting Control gear for NON Integral Flood light fittings suitable for 2x250W HPSV/MH lamp with all accessories complete.	7,375.00	Each
13915	Chapter 2 5 -6-14	Supplying and erecting Control gear for NON Integral Flood light fittings suitable for 2x400W HPSV/MH lamp with all accessories complete.	10,002.00	Each
13915	Chapter 2 6 -6-15	Supplying and erecting condensor for MV/SV/MH lamp 150W, 230V as per specification no. FG-FG/AS7	190.00	Each
13915	Chapter 2 7 -6-16	Supplying and erecting condensor for MV/SV/MH lamp 250W, 230V as per specification no. FG-FG/AS7	208.00	Each
13915	Chapter 2 8 -6-17	Supplying and erecting condensor for MV/SV/MH lamp 400W, 230V as per specification no. FG-FG/AS7	270.00	Each
13915	Chapter 2 9 -6-18	Supplying and erecting ignitor suitable for 230V HPSV lamp 70/150/250/400W as per specification no. FG-FG/AS6	191.00	Each
13916	Chapter 2 0 -6-19	Supplying and erecting electronic ignitor suitable for 230V metal halide lamp 70/150/250/400W (integral or non integral type luminaries as per specification no. FG-FG/AS6	298.00	Each
13916	Chapter 2 1 -6-20	Supplying and erecting VPIT heavy duty copper wound ballast 230V for 80-150W HPSV/MV/MH as per specification no. FG-FG/AS5.	995.00	Each
13916	Chapter 2 2 -6-21	Supplying and erecting VPIT compound heavy duty copper wound ballast for 230V for 250W HPSV/MV/MH as per specification no. FG-FG/AS5.	1,958.00	Each
13916	Chapter 2 3 -6-22	Supplying and erecting VPIT heavy duty copper wound ballast for 230V for 400W HPSV/MV/MH as per specification no. FG-FG/AS4.2.7 Decorative Outdoor Fitting (FG-ODF)	2,577.00	Each
	Chapter 2 -7	Decorative Outdoor Fittings (FG-ODF)		

			Rate In (Rs)	
	Item Description	Rate	Unit	
13916 4	Chapter 2 -7-1 Supplying and erecting gate/garden light fitting with 200mm dia.glass bowl suitable for upto 12W LED Lamp on provided pipe as per specification No. FG-ODF/GLT	400.00	Each	
13916 5	Chapter 2 -7-2 Supplying and erecting gate/garden light fitting with 300mm dia.glass bowl suitable for upto 12W LED Lamp on provided pipe as per specification No. FG-ODF/GLT	917.00	Each	
13916 6	Chapter 2 -7-3 Supplying & erecting integral post top lantern fixtures(mushroom type) suitable for LED lamp upto 12 W consisting of clear acrylic top cover,cast aluminium pole cap complete with accessories on provided pole /bracket as per specification no. FG-ODF/PTL	1,784.00	Each	
13916 7	Chapter 2 -7-4 Supplying & erecting integral post top lantern fixtures (globe type) suitable for LED lamp upto 12 W consisting of aesthetic round clear acrylic top cover, cast aluminium pole cap on provided pole /bracket as per specification no. FG-ODF/PTL (NEW)	1,814.00	Each	
13916 8	Chapter 2 -7-5 Supplying & erecting integral post top lantern fixtures (light house type) suitable upto LED 18 W Lamp consisting of combination of spun aluminium canopy & clear acrylic top cover, cast aluminium pole cap on provided pole/ bracket as per specification no. FG-ODF/PTL (NEW)	2,116.00	Each	
	Chapter 2 -8 Street/Flood Light Fittings (FG-ODF)			
13916 9	Chapter 2 -8-1 Supplying and erecting street light fitting suitable for 70W H.P.S.V.lamp with accessories complete on provided bracket as per specification no. FG-ODF/GSL	1,821.00	Each	
13917 0	Chapter 2 -8-2 Supplying and erecting street light fitting suitable for 150W H.P.S.V.lamp complete with accessories on provided bracket as per specification no. FG-ODF/GSL	2,116.00	Each	
13917 1	Chapter 2 -8-3 Supplying and erecting street light fitting suitable for 250W H.P.S.V.lamp complete with accessories on provided bracket as per specification no. FG-ODF/GSL	2,803.00	Each	
13917 2	Chapter 2 -8-4 Supplying and erecting street light fitting suitable for 400W H.P.S.V.lamp complete with accessories on provided bracket as per specification no. FG-ODF/GSL	4,138.00	Each	
13917 3	Chapter 2 -8-5 Supplying and erecting street light fitting suitable for 70W metal halide lamp complete with accessories on provided bracket as per specification no. FG-ODF/GSL	2,302.00	Each	
13917 4	Chapter 2 -8-6 Supplying and erecting street light fitting suitable for 150W metal halide lamp complete with accessories on provided bracket as per specification no. FG-ODF/GSL	2,980.00	Each	

		Rate In (Rs)	
Item Description		Rate	Unit
13917	Chapter 2 -8-7 5	Supplying and erecting street light fitting suitable for 250W metal halide lamp complete with accessories on provided bracket as per specification no. FG-ODF/GSL	3,715.00 Each
13917	Chapter 2 -8-8 6	Supplying and erecting street light fitting suitable for 400W metal halide lamp complete with accessories on provided bracket as per specification no. FG-ODF/GSL	6,596.00 Each
13917	Chapter 2 -8-9 7	Supplying and erecting flood light luminaries suitable for 70WH.P.S.V. lamp complete with accessories on provided bracket as per specification no. FG-ODF/GSL	2,784.00 Each
13917	Chapter 2 8 -8-10	Supplying and erecting flood light luminaries suitable for 150W H.P.S.V. lamp complete with accessories on provided bracket as per specification no. FG-ODF/GFL	4,453.00 Each
13917	Chapter 2 9 -8-11	Supplying and erecting flood light luminaries suitable for 250W H.P.S.V. lamp complete with accessories on provided bracket as per specification no. FG-ODF/GFL	4,692.00 Each
13918	Chapter 2 0 -8-12	Supplying and erecting flood light luminaries suitable for 400W H.P.S.V. lamp complete with accessories on provided bracket as per specification no. FG-ODF/GFL	4,749.00 Each
13918	Chapter 2 1 -8-13	Supplying and erecting asymmetrical beam integral flood light luminaries suitable for 70W metal halide lamp complete with accessories on provided bracket as per specification no. FG-ODF/GFL	2,554.00 Each
13918	Chapter 2 2 -8-14	Supplying and erecting asymmetrical beam integral flood light luminaries suitable for 150W metal halide lamp complete with accessories on provided bracket as per specification no. FG-ODF/GFL	2,903.00 Each
13918	Chapter 2 3 -8-15	Supplying and erecting asymmetrical beam integral flood light accessories luminaries suitable for 250W metal halide lamp complete with accessories on provided bracket as per specification no. FG-ODF/GFL	4,721.00 Each
13918	Chapter 2 4 -8-16	Supplying and erecting asymmetrical beam integral flood light luminaries suitable for 400W metal halide lamp complete with accessories on provided bracket as per specification no. FG-ODF/GFL	4,766.00 Each
13918	Chapter 2 5 -8-17	Supplying & erecting non integral symmetrical flood light with wide beam reflector luminaries suitable for 1x250W HPSV/MH lamp on provided bracket as per specification no. FG-ODF/HML	2,573.00 Each

			Rate In (Rs)	
Item Description			Rate	Unit
13918 6	Chapter 2 -8-18	Supplying & erecting non integral symmetrical flood light with wide beam reflector luminaries suitable for 1x400W HPSV/MH lamp on provided bracket as per specification no. FG-ODF/HML	2,573.00	Each
13918 7	Chapter 2 -8-19	Supplying & erecting non integral heavy duty flood light with symmetric circular narrow beam reflector luminaries suitable for 1x250W HPSV/MH lamp on provided bracket as per specification no.FG-ODF/HML	3,488.00	Each
13918 8	Chapter 2 -8-20	Supplying & erecting non integral heavy duty flood light with symmetric circular narrow beam reflector luminaries suitable for 1x400W HPSV/MH lamp on provided bracket as per specification no.FG-ODF/HML	3,488.00	Each
13918 9	Chapter 2 -8-21	Supplying & erecting non integral symmetric wide beam flood light luminaries suitable for 2x250W HPSV/MH lamp on provided brackets per specification no. FG-ODF/HML	4,224.00	Each
13919 0	Chapter 2 -8-22	Supplying & erecting non integral symmetric wide beam flood light luminaries suitable for 2x400W HPSV/MH lamp on provided brackets per specification no. FG-ODF/HML	4,224.00	Each
13919 1	Chapter 2 -8-23	Erecting the departmentally supplied W.P. /LED/T-5/T-8/LED street light fitting and marking / painting the Sr. No. and date of erection by best quality enamel paint.	75.00	Each
13919 2	Chapter 2 -8-24	Erecting Deptt. supplied H.P.S.V/ M.H./ LED street light/ LED Flood light Fitting upto 150W & marking / painting Sr. No. & date of erection by best quality enamel paint.	110.00	Each
13919 3	Chapter 2 -8-25	Erecting Deptt. supplied H.P.S.V/ M.H./LED street light/Flood light Fitting of 250 to 400W & marking/ painting Sr. No. & date of erection by best quality enamel paint	134.00	Each
Chapter 2 -9 LED Outdoor Fittings (FG-ODF/LED)				
13919 4	Chapter 2 -9-1	Supplying and erecting LED street light fitting 12 to 18 W, with PF > 0.95 class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete as per specification No FG-ODF/FLS-2	1,765.00	Each
13919 5	Chapter 2 -9-2	Supplying and erecting LED Street light fitting suitable for 20 to 25W, with PF > 0.95 class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete as per specification No FG-ODF/FLS-2.	2,182.00	Each
13919 6	Chapter 2 -9-3	Supplying and erecting LED street light fitting suitable above 26W to 36W lamp, including lamp, with PF > 0.95 class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete as per specification No	2,600.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	FG-ODF/FLS2		
13919 Chapter 2 -9-4 7	Supplying and erecting LED Street light fitting suitable for above 40W to 48W lamp, including lamp, with PF > 0.95 class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete per specification No . FG-ODF/FLS2	3,955.00	Each
13919 Chapter 2 -9-5 8	Supplying and erecting LED street light fitting suitable for 60W lamp, including lamp, with PF > 0.95 class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete as per specification No FG-ODF/FLS-2.	5,273.00	Each
13919 Chapter 2 -9-6 9	Supplying and erecting LED street light fitting suitable for above 70W- 75 lamp, including lamp, with PF > 0.95 class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete per specification No FG-ODF/FLS2	5,841.00	Each
13920 Chapter 2 -9-7 0	Supplying and erecting LED street light fitting suitable for above75 - 90W lamp, including lamp, with PF > 0.95 class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete per specification No. FG-ODF/FLS2	7,711.00	Each
13920 Chapter 2 -9-8 1	Supplying and erecting LED street light fitting 100W, including lamp, with PF > 0.95 class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete per specification No FG-ODF/FLS-2	8,260.00	Each
13920 Chapter 2 -9-9 2	Supplying and erecting LED street light fitting 120 W, including lamp, with PF > 0.95 class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete per specification No FG-ODF/FLS-2.	10,065.00	Each
13920 Chapter 2 3 -9-10	Supplying and erecting LED street light fitting 150 W, including lamp, with PF > 0.95 class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete per specification No FG-ODF/FLS-2.	17,029.00	Each
13920 Chapter 2 4 -9-11	Supplying and erecting LED street light fitting suitable for 160 -170 W, including lamp, with PF > 0.95 class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete per specification No FG-ODF/FLS-2	17,661.00	Each
13920 Chapter 2 5 -9-12	Supplying and erecting LED Flood light fitting of 30-40W, including lamp, with PF > 0.95, class IP 65 and above class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete per specification No	2,648.00	Each

			Rate In (Rs)	
	Item Description	Rate	Unit	
	FG-ODF/FLS-2			
13920 Chapter 2 6 -9-13	Supplying and erecting LED Flood light fitting of 50W, including lamp, with PF > 0.95,class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete per specification No FG-ODF/FLS-2	4,241.00	Each	
13920 Chapter 2 7 -9-14	Supplying and erecting LED Flood light fitting of 70- 80W, including lamp, with PF > 0.95,class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete per specification No FG-ODF/FLS-2	7,632.00	Each	
13920 Chapter 2 8 -9-15	Supplying and erecting LED Flood light fitting of 90-100W, including lamp, with PF > 0.95, class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete per specification No FG-ODF/FLS-2	9,459.00	Each	
13920 Chapter 2 9 -9-16	Supplying and erecting LED Flood light fitting of 120W, including lamp, with PF > 0.95,class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete per specification No FG-ODF/FLS-2	13,179.00	Each	
13921 Chapter 2 0 -9-17	Supplying and erecting LED Flood light fitting of 150W, including lamp, with PF > 0.95,class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete per specification No FG-ODF/FLS-2	15,573.00	Each	
13921 Chapter 2 1 -9-18	Supplying and erecting LED Flood light fitting of 200W, including lamp, with PF > 0.95,class IP 65 and above Housing of pressure die cast alluminium alloy and heat sink extruded alluminium complete per specification No FG-ODF/FLS-2	20,272.00	Each	
13921 Chapter 2 2 -9-19	Supplying and erecting Recess mounted 20W LED wall washers, tilted 70° outwards and swivels 360° to offer best illumination on the wall with any colour with driver complete. (Including Compatible Driver)	3,546.00	Each	
13921 Chapter 2 3 -9-20	Supplying and erecting Recess mounted 30W LED wall washers, tilted 70° outwards and swivels 360° to offer best illumination on the wall with any colour with driver complete. (Including Compatible Driver)	4,865.00	Each	
13921 Chapter 2 4 -9-21	Supplying & erecting 12W LED PAR (30 Lamp E-27 Base, SPOTO SERIES) lights by making necessary arrangement/recess in wall to make it flush with surface.	1,651.00	Each	
13921 Chapter 2 5 -9-22	supplying & erecting 20W LED PAR (30 Lamp E-27 Base, SPOTO series) lights by making necessary arrangement/recess in wall to make it flush with surface.	5,029.00	Each	

			Rate In (Rs)	
Item Description			Rate	Unit
13921 6	Chapter 2 -9-23	Supplying & erecting 15W LED SERIES PAR lights by making necessary arrangement/recess in wall to make it flush with surface.	2,490.00	Each
13921 7	Chapter 2 -9-24	Supplying and erecting Cylindrical shaped Integral decorative with high power 9W LED bollard with opal acrylic diffuser and IP65 protection on provided foundation.(NEW) upto 1000MM	3,516.00	Each
13921 8	Chapter 2 -9-25	Supplying and erecting Mushroom shaped integral 9W LED decorative bollard with IP65 protection on provided foundation. (NEW) upto 680MM	5,634.00	Each
13921 9	Chapter 2 -9-26	Supplying and erecting 40W LED post top made in cast aluminium spigot housing with decorative clear opal acrylic diffuser and IP65 Protection on provided pole/ bracket.	6,190.00	Each
Chapter 2 -10 Outdoor LED Fittings (FG-ODF/LED)				
13922 0	Chapter 2 -10-1	Supplying and erecting highbay LED fitting IP 65 with lamp 80W, PF >0.95 of approved make and duly connecting complete as per specification no. FG-ODF/LED	11,052.00	Each
13922 1	Chapter 2 -10-2	Supplying and erecting highbay LED fitting IP 65 with lamp 120W, PF >0.95 of approved make and duly connecting complete as per specification no. FG-ODF/LED	12,407.00	Each
13922 2	Chapter 2 -10-3	Supplying and erecting highbay LED fitting IP 65 with lamp 150W, PF >0.95 of approved make and duly connecting complete as per specification no. FG-ODF/LED	16,444.00	Each
Chapter 2 -11 Aviation Light Fittings				
13922 3	Chapter 2 -11-1	Supplying & erecting aviation obstruction light consisting of yellow painted die-cast aluminium alloy housing with Integral LED aviation light comprising of aluminium housing with polycarbonate enclosure complete.	4,251.00	Each
Chapter 2 -12 Accessories for Fans (FG-FN)				
13922 4	Chapter 2 -12-1	Supplying and erecting condenser 2.5 micro farad for ceiling fan	56.00	Each
13922 5	Chapter 2 -12-2	Supplying & fixing Anchor type fastener Fan hook, with 2 Nos of 10mm dia x 75 mm long with necessary materials for Ceiling Fan.	82.00	Each
13922 6	Chapter 2 -12-3	Supplying and erecting fan clamp of 30 x 5 mm. M.S. flat of required length and 10 mm. M.S. bolt and nuts erected with necessary hook of 10 mm. M.S. round bar and painted.	154.00	Each
13922 7	Chapter 2 -12-4	Supplying and erecting Fan hook of 10 mm. M.S. round bar grouted in RCC slab with making the site as original.	94.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
13922 8	Chapter 2 -12-5	Supplying and erecting fan hook box of 10 mm M.S. round bar bounded to the R.C.C. bars upto 50 mm length each side and pierced through a 16 S.W.G. thick aluminium/M.S. Bowl 100 mm dia.or equivalent square size and having depth upto 75 mm complete erected with duly painted by one coat of red oxide paint and two coats of paint erected in position and without any leakage of slurry of cement concrete on either side of the box and positioned to the bottom level of the slab.	120.00	Each
13922 9	Chapter 2 -12-6	Supplying and erecting 'B' grade G.I.pipe/M.S. pipe down rod duly painted for fan complete erected with PVC three core flexible cable 1 sq. mm copper PVC wire.	171.00	Meter
13923 0	Chapter 2 -12-7	Erection of departmentally supplied ceiling fan with necessary materials,and marking / painting the Sr. No. and date of erection by best quality enamel paint.	85.00	Each
13923 1	Chapter 2 -12-8	Erection of departmentally supplied Exhaust fan with necessary materials, and marking / painting the Sr. No. and date of erection by best quality enamel paint.	153.00	Each
13923 2	Chapter 2 -12-9	Supplying and erecting electronic type step regulator for ceiling fan 600/ 900/ 1200/ 1400 mm. sweep, complete erected on provided switch board.	186.00	Each
13923 3	Chapter 2 -12-10	Providing recess in brick wall suitable for erection of exhaust fan up to 450mm sweep complete with grouting of nut, bolts, plaster in hand colour washing to match the colour of the wall for the wall thickness of 150 mm	261.00	Each
13923 4	Chapter 2 -12-11	Providing recess in brick wall suitable for erection of exhaust fan up to 450mm. sweep complete with grouting of nut, bolts, plastering and colour washing to match the colour of the wall for the wall thickness of 225 mm	309.00	Each
13923 5	Chapter 2 -12-12	Providing recess in brick wall suitable for erection of exhaust fan up to 450mm. sweep complete with grouting of nut, bolts, plastering and colour washing to match the colour of the wall for the wall thickness of 375 mm.	373.00	Each
13923 6	Chapter 2 -12-13	Providing recess in stone wall suitable for erection of exhaust fan up to 450mm sweep complete with grouting of nut, bolts, plastering and colour washing to match the colour of the wall.	564.00	Each
13923 7	Chapter 2 -12-14	Supplying & erecting 22 guage G.I sheet metal CAWL sector shaped with 25 mm x 25mm x 3mm angle iron frame, metal mesh to avoid birds entry with necessary material, suitable for exhaust fan of 300 mm as per specification no FG-FAS/MSC	879.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
13923 8	Chapter 2 -12-15	Supplying & erecting 22 guage G.I sheet metal CAWL sector shaped with 25 mm x 25mm x 3mm angle iron frame, metal mesh to avoid birds entry with necessary material, suitable for exhaust fan of 400 mm as per specification no FG-FAS/MSC	957.00	Each
13923 9	Chapter 2 -12-16	Supplying & erecting 22 guage G.I sheet metal CAWL sector shaped with 25 mm x 25mm x 3mm angle iron frame, metal mesh to avoid birds entry with necessary material, suitable for exhaust fan of 450 mm as per specification no FG-FAS/MSC	1,015.00	Each
13924 0	Chapter 2 -12-17	Supplying & erecting 20 guage G.I sheet metal CAWL rectangular /round shaped with 25 mm x 25mm x 3mm angle iron frame, metal mesh to avoid birds entry with necessary material, suitable for exhaust fan of 300 mm as per specification no FG-FAS/MSC	905.00	Each
13924 1	Chapter 2 -12-18	Supplying & erecting 20 guage G.I sheet metal CAWL rectangular /round shaped with 25 mm x 25mm x 3mm angle iron frame, metal mesh to avoid birds entry with necessary material, suitable for exhaust fan of 400 mm as per specification no FG-FAS/MSC	1,110.00	Each
13924 2	Chapter 2 -12-19	Supplying & erecting 20 guage G.I sheet metal CAWL rectangular /round shaped with 25 mm x 25mm x 3mm angle iron frame, metal mesh to avoid birds entry with necessary material, suitable for exhaust fan of 450 mm as per specification no FG-FAS/MSC	1,157.00	Each
Chapter 2 -13 Fans (FG-FN)				
13924 3	Chapter 2 -13-1	Supplying and erecting regular/ standard model Ceiling fan of 600mm. sweep complete erected in position as per specification no. FG-FN/CF	1,487.00	Each
13924 4	Chapter 2 -13-2	Supplying and erecting regular/ standard model Ceiling fan of 900 /1050 mm. sweep complete erected in position as per specification no. FG-FN/CF	1,476.00	Each
13924 5	Chapter 2 -13-3	Supplying and erecting regular/ standard model Ceiling fan of 1200mm. sweep complete erected in position as per specification no. FG-FN/CF	1,498.00	Each
13924 6	Chapter 2 -13-4	Supplying and erecting regular/ standard model Ceiling fan of 1400mm. sweep complete erected in position as per specification no. FG-FN/CF	1,604.00	Each
13924 7	Chapter 2 -13-5	Providing and erecting bracket fan 400 mm. sweep A. C. 230 volts 50 cycles 1350 R.P.M. Oscillating type, plastic or metal blades chrome plated guard with regulator and moisture proof treatment	1,691.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	to winding and with 'E' class insulation and marking Sr. No. and date of erection.		
13924 8	Chapter 2 -13-6 Providing and erecting air circulator 450 mm. sweep oscillating type, wall mounting 1440 RPM without speed regulator, overheat protection unit, totally enclosed, flame proof motor suitable for 230/250 Volts single phase, 50 cycles A.C. supply, with one metre of 3 core lead wire and with moisture proof treatment to winding and with 'E' class insulation and marking Sr. No. and date of erection.	4,094.00	Each
13924 9	Chapter 2 -13-7 Providing and erecting air circulator 600 mm. sweep oscillating type, wall mounting 1440 RPM without speed regulator, overheat protection unit, totally enclosed, flame proof motor suitable for 230/250 Volts single phase, 50 cycles A.C. supply, core lead wire and with moisture proof treatment to winding and with 'E' class insulation and marking Sr. No. and date of erection.	4,879.00	Each
13925 0	Chapter 2 -13-8 Supplying Pedestal fan 400 mm. 230 Volts 50 cycles oscillating type complete with guard and regulator 3 mtrs. of flexible wire and hand shield type 3 pin plug top and marking Sr. No. and date of erection.	1,863.00	Each
13925 1	Chapter 2 -13-9 Supplying pedestal type air circulator 450 mm. sweep oscillating type suitable to work on 230 Volts 50 cycles 1440 RPM with speed regulator, overhead protection unit, totally enclosed, flame proof motor with additional 3 core wire, 5 metre length and Hand Shield type 3 pin 5A. plug top complete with moisture proof treatment and 'E' class insulation and marking Sr. No. and date of erection.	4,105.00	Each
13925 2	Chapter 2 -13-10 Supplying pedestal type air circulator 600 mm. sweep oscillating type suitable to work on 230 Volts 50 cycles 1440 RPM with speed regulator, overhead protection unit, totally enclosed, flame proof motor with additional 3 core wire, 5 metre length and Hand Shield type 3 pin 6A. plug top complete with moisture proof treatment and 'E' class insulation and marking Sr. No. and date of erection.	6,634.00	Each
13925 3	Chapter 2 -13-11 Supplying Table fan of A.C. 230 V. 50 cycles 400 mm. oscillating type complete with 2 mtrs. of 3 core flexible wire and Hand shield type 3 pin plug top and marking Sr. No. and date of erection	1,478.00	Each
13925 4	Chapter 2 -13-12 Supplying and erecting cabin fan of A.C. 230 V. 50 cycles 250 mm. /300 mm. sweep complete with necessary brackets for fixing cabin fans, wire etc and marking Sr. No. and date of erection.	1,340.00	Each
13925 5	Chapter 2 -13-13 Supplying and erecting cabin fan of A.C. 230 V. 50 cycles 400 mm. sweep complete with necessary brackets for fixing cabin fans, wire etc and marking Sr. No. and date of erection.	1,497.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
13925 6	Chapter 2 -13-14	Supplying and erecting fresh air cum Exhaust fan of light duty 250 V A.C. 50 cycles 300mm. 1400 RPM rust proof body & blades, wiremesh, duly erected in an approved manner and marking Sr. No. And date of erection.	1,264.00	Each
13925 7	Chapter 2 -13-15	Supplying and erecting fresh air cum Exhaust fan of light duty 250 V A.C. 50 cycles 225mm. 1400 RPM rust proof body & blades, wiremesh, duly erected in an approved manner and marking Sr. No. And date of erection.	1,126.00	Each
13925 8	Chapter 2 -13-16	Supplying and erecting Exhaust fan medium duty 230 V A.C. 50cycles 225 mm. 1400RPM with condensor complete erected in position with necessary materials. Fan motor with moisture proof treatment and 'E' class insulation and marking Sr. No. & date of erection.	1,494.00	Each
13925 9	Chapter 2 -13-17	Supplying and erecting Exhaust fan heavy duty 230 V, A.C. 50 cycles 375/380 mm. 900 RPM complete erected in position as per specification no. FG-FN/EXF	2,882.00	Each
13926 0	Chapter 2 -13-18	Supplying and erecting Exhaust fan heavy duty 230 V A.C. 50 cycles 375/380 mm. 1400 RPM complete erected in position as per specification no. FG-FN/EXF	2,921.00	Each
13926 1	Chapter 2 -13-19	Supplying and erecting Exhaust fan heavy duty 230 V A.C. 50 cycles 450 mm. 1400 RPM complete erected in position as per specification no. FG-FN/EXF	4,001.00	Each
13926 2	Chapter 2 -13-20	Supplying and erecting Exhaust fan heavy duty 230 V A.C. 50 cycles 450 mm. 900 RPM complete erected in position as per specification no. FG-FN/EXF	3,659.00	Each
13926 3	Chapter 2 -13-21	Supplying and erecting Exhaust fan heavy duty 440 V A.C. 50 cycles 900 RPM 375/380 mm complete erected in position as per specification no. FG-FN/EXF	3,058.00	Each
13926 4	Chapter 2 -13-22	Supplying and erecting Five Star Rated Energy Saving Ceiling Fan 230 V A.C. 50 cycles 1200 mm complete erected in position as per specification no. FG-FN/CF	1,563.00	Each
13926 5	Chapter 2 -13-23	Supplying and erecting Modern finished blades with unique double bend angle, double ball bearings with energy efficient Decorative Ceiling Fan 1200/1400 mm sweep complete erected in position as per specification no. FG-FN/CF (Decorative)	2,590.00	Each
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	Chapter 2 -14	Dismantling		
13926 6	Chapter 2 -14-1	Dismantling of existing fluorescent fittings of any type & size.	13.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
13926 7	Chapter 2 -14-2	Dismantling the existing W.T.fluoroscent fitting / S.V./ M.V. / M.H. lamp /LED fitting from wall with brackets and making the site as original complete.	38.00	Each
13926 8	Chapter 2 -14-3	Dismantling the existing W.T. fluorescent fitting/ S.V./ M.V. / M.H. lamp /LED fitting from pole with brackets complete.	89.00	Each
13926 9	Chapter 2 -14-4	Dismantling the existing ceiling fan /exhaust fan / cabin fan / bracket fan complete with accessories, G.I. down rod, frame etc. and making the site clear.	31.00	Each

Specification:

Chapter Name Appliances (AP)

		Rate In (Rs)	
Item Description		Rate	Unit
Chapter 3-1	Water Heaters (AP-WH)		
13940 Chapter 3-1-1 8	Supplying and erecting storage type Horizontal / vertical water heater 15 Litres capacity with BEE 5 STAR RATING high impact resistance Engineering plastic body on wall / loft as per specification No. AP-WH/STWH	6,891.00	Each
13940 Chapter 3-1-2 9	Supplying and erecting storage / pressure type Horizontal / vertical water heater 25 Litres of mild steel body, on wall / loft as per specification No. AP-WH/STWH	7,519.00	Each
13941 Chapter 3-1-3 0	Supplying and erecting storage type Horizontal / vertical water heater 25 Litres capacity with BEE 5 STAR RATING high impact resistance Engineering plastic body on wall / loft as per specification no. AP-WH/STWH	9,522.00	Each
13941 Chapter 3-1-4 1	Supplying and erecting storage/ pressure type vertical / horizontal water heater 35 Litres of mild steel body on wall / loft as per specification No. AP-WH/STWH	9,841.00	Each
13941 Chapter 3-1-5 2	Supplying and erecting storage type Horizontal / vertical water heater 35 Litres capacity with BEE 5 STAR RATING high impact resistance Engineering plastic body on wall / loft as per specification no. AP-WH/STWH	10,483.00	Each
13941 Chapter 3-1-6 3	Supplying and erecting storage/ pressure type vertical / horizontal water heater 50 Litres capacity of mild steel body on wall / loft as per specification No. AP-WH/STWH	10,694.00	Each
13941 Chapter 3-1-7 4	Supplying and erecting storage type Horizontal / vertical water heater 50 Litres capacity with BEE 5 STAR RATING high impact resistance Engineering plastic body on wall / loft as per specification no. AP-WH/STWH	13,584.00	Each
13941 Chapter 3-1-8 5	Supplying and erecting ISI mark midget type 3.0 Ltr instant type water heater of ABS plastic body 3 kW complying IS3412 of 1994 heating element 230/250 Volts 50 Cycle A.C. supply with inlet and outlet, thermostatic control and thermal cut off with 3 core PVC flexible wire leads duly tested and marking Sr. No. and date of erection.	3,323.00	Each
13941 Chapter 3-1-9 6	Supplying and erecting Chromium plated heavy duty brass stop cock for inlet pipe of water heater (15 mm. dia).	164.00	Each
13941 Chapter 3-1-10 7	Supplying & erecting 15 mm brass non return valve for inlet pipe of storage water heater.	218.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
13941	Chapter 3-1-11 Supplying & erecting dead weight pressure releasing valve for storage water heater with necessary materials.	393.00	Each
8			
13941	Chapter 3-1-12 Supplying & erecting vacuum relief valve for storage water heater with necessary materials.	177.00	Each
9			
13942	Chapter 3-1-13 Providing fibre reinforced PVC flexible pipe upto 1m length with brass locking nuts and washers and clips at both ends suitable for hot water complete erected in an approved manner.	156.00	Each
0			
13942	Chapter 3-1-14 Erecting departmentally supplied water heater of 25 ltr capacity with wall fasteners, inlet & outlet pipes, NRV, etc. and marking Sr No. and date of erection.	396.00	Each
1			
13942	Chapter 3-1-15 Erecting departmentally supplied water heater of 35/ 50 ltr capacity with wall fasteners, inlet & outlet pipes, NRV, etc. and marking Sr No. and date of erection.	476.00	Each
2			
13942	Chapter 3-1-16 Supplying and erecting ISI mark heating element 2 / 3 kW suitable for water heater/ midget of any make any capacity.	805.00	Each
3			
13942	Chapter 3-1-17 Supplying and erecting ISI mark thermostat suitable for water heater / midget of any make, any capacity.	323.00	Each
4			
13942	Chapter 3-1-18 Dismantling unserviceable storage type water heater from site to workshop & back after duly repaired & Re-erecting the Repaired storage water heater in position with necessary material complete with To & Fro transportation.	326.00	Each
5			
Chapter 3-2 Air Conditioners (AP-AC)			
13942	Chapter 3-2-1 Supplying and erecting window model mounted type room Air - conditioner 3 star 230/250V 50 cycles single phase A.C.supply 1 TR capacity complete with gas R410A/R32 at position in provided recess with wooden frame as per specification No. AP-AC/WAC	25,176.00	Each
6			
13942	Chapter 3-2-2 Supplying and erecting window model mounted type room Air - conditioner 3 star 230/250 V 50 cycles single phase A.C.supply 1.5 TR capacity complete with gas R410A/R32 at position in provided recess with wooden frame as per specification No. AP-AC/WAC	29,737.00	Each
7			
13942	Chapter 3-2-3 Supplying and erecting window model mounted type room Air - conditioner 5 star 230/250 V 50 cycles single phase A.C.supply 1.5 TR capacity complete with gas R410A/R32 at position in provided recess with wooden frame as per specification No. AP-AC/WAC	33,955.00	Each
8			

		Rate In (Rs)	
	Item Description	Rate	Unit
13942 9	Chapter 3-2-4 Supplying and erecting window model mounted type room Air-Conditioner 3 star 230/250 V 50 cycles single phase A.C.supply 2 TR capacity complete with gas R410A/R32 at position in provided recess with wooden frame as per specification No. AP-AC/WAC	33,783.00	Each
13943 0	Chapter 3-2-5 Providing modifications to the existing window for erection of window room air conditioner in position with use of teakwood, grill, aluminum channel, glass as per requirement and filling the gaps to maintain air tightness.	1,121.00	Each
13943 1	Chapter 3-2-6 Supplying and erecting split type room Air conditioning unit 2 TR 3 star capacity 250V, 50 cycles, A.C. supply having 1 No of air handling unit hi-wall mounting type complete with Refrigerants R410 A/R32 and COPPER CONDENSOR at position as per specification no. AP-AC/SAC	48,027.00	Each
13943 2	Chapter 3-2-7 Supplying and erecting split type room Air conditioning unit 2 TR 5 star capacity 250V, 50 cycles, A.C. supply having 1 No of air handling unit hi-wall mounting type complete with Refrigerants R410 A /R32 and COPPER CONDENSOR at position as per specification no. AP-AC/SAC	58,433.00	Each
13943 3	Chapter 3-2-8 Supplying and erecting split type room Air conditioning unit 1.5 TR 3 star capacity 250V, 50 cycles, A.C. supply having 1 No of air handling unit hiwall / floor mounting type complete with Refrigerent R410 A/R32 and COPPER CONDENSOR at position as per specification no. AP-AC/SAC	38,689.00	Each
13943 4	Chapter 3-2-9 Supplying and erecting split type room Airconditioning unit 1.5 TR 5 star capacity 250V, 50 cycles, A.C. supply having 1 No of air handling unit hiwall / floor mounting type complete with Refrigerent R410 A/R32 and COPPER CONDENSOR at position as per specification no. AP-AC/SAC	43,634.00	Each
13943 5	Chapter 3-2-10 Supplying and erecting split type room Airconditioning unit 1 TR 3 star capacity 250V, 50 cycles, A.C. supply having 1 No of air handling unit hi-wall / floor mounting type complete with Refrigerent R410 A/R32 and COPPER CONDENSOR at position as per specification no. AP-AC/SAC	33,644.00	Each
13943 6	Chapter 3-2-11 Supplying and erecting split type room Airconditioning unit 1 TR 5 star capacity 250V, 50 cycles, A.C. supply having 1 No of air handling unit hi-wall / floor mounting type complete with Refrigerent R410 A/R32 and COPPER CONDENSOR at position as per specification no. AP-AC/SAC	33,375.00	Each

		Rate In (Rs)	
Item Description	Rate	Unit	
13943 Chapter 3-2-12 7	1,109.00	Sq.m	Providing and pasting superior quality Sun control film on glass to achieve better cooling effect having 1.5 / 2 mm thickness, ultra violet transmittance less than 2% and solar heat rejection 78% in approved manner.
13943 Chapter 3-2-13 8	55,712.00	Each	Supplying and erecting split type room Airconditioning unit 2.5 TR capacity with R410A/R32 gas 230/ 415V, 50 cycles, A.C. supply having 1 No of air handling unit (Mega spilt) Hi-wall mounting type complete at position as per specification No. AP-AC/SAC
13943 Chapter 3-2-14 9	64,321.00	Each	Supplying and erecting split type room Airconditioning unit 3TR capacity with R410A/R32 gas 415 V, 50 cycles, A.C. supply having 1 No of air handling unit (Mega spilt) mounting type complete at position as per specification No. AP-AC/SAC
13944 Chapter 3-2-15 0	232.00	Meter	Supplying & erecting copper pipe suitable for refrigeration system having 22 guage thickness and inner dia / size 12 mm complete.
13944 Chapter 3-2-16 1	313.00	Meter	Supplying & erecting copper pipe suitable for refrigeration system having 22 guage thickness and inner dia / size 16 mm complete.
13944 Chapter 3-2-17 2	531.00	Meter	Supplying & erecting copper pipe suitable for refrigeration system having 22 gauge thickness and inner dia / size 22 mm complete.
13944 Chapter 3-2-18 3	775.00	Meter	Supplying & erecting copper pipe suitable for refrigeration system having 22 guage thickness and inner dia / size 32 mm complete.
13944 Chapter 3-2-19 4	980.00	Meter	Supplying & erecting copper pipe suitable for refrigeration system having 22 guage thickness and inner dia / size 35 mm complete.
13944 Chapter 3-2-20 5	1,136.00	Meter	Supplying & erecting copper pipe suitable for refrigeration system having 22 guage thickness and inner dia / size 42 mm Complete.
13944 Chapter 3-2-21 6	73,320.00	Each	Supplying & erecting cassate type split room airconditioning unit 1.5 TR capacity 230/250 V ,50 cycles ,AC supply having 1 No air handling unit unit false ceiling mounting type complete with gas R32/R410A at position as per specification without copper piping and drainage pipe.
13944 Chapter 3-2-22 7	83,914.00	Each	Supplying & erecting cassate type split room airconditioning unit 2 TR capacity 230/250 V ,50 cycles ,AC supply having 1 No air handling unit unit false ceiling mounting type complete with gas R32/R410A at position as per specification without copper piping and drainage pipe.
13944 Chapter 3-2-23 8	1,15,816.00	Each	Supplying & erecting cassate type split room airconditioning unit 3 TR capacity 230V /415 V ,50 cycles ,AC supply having 1 No air handling unit unit false ceiling mounting type complete with gas R32/R410A at position as per specification without copper piping

		Rate In (Rs)	
	Item Description	Rate	Unit
	and drainage pipe.		
13944 9	Chapter 3-2-24 Supplying & erecting cassate type split room airconditioning unit 3.5 TR capacity 415 V ,50 cycles ,AC supply having 1 No air handling unit unit false ceiling mounting type complete with gas R32/R410A at position as per specification without copper piping and drainage pipe.	1,25,469.00	Each
13945 0	Chapter 3-2-25 Supplying & erecting cassate type split room airconditioning unit 4 TR capacity 415 V ,50 cycles ,AC supply having 1 No air handling unit unit false ceiling mounting type complete with gas R32/R410A at position as per specification without copper piping and drainage pipe.	1,38,262.00	Each
13945 1	Chapter 3-2-26 Suppling ,instslling , testing and commissioning Tower type Room AC unit of 2.5 Ton capacity suitable to operate on 230/415 V , 50 CYCLES ac supply having 1 no AHU and 1 no cabinet type Floor mounting type condensing unit with gas R32/R410A with anticorrossive Fins, copper Condensor , Dust fliters Hydrophilic Evaporator Fins Powder coated outer body ,with scroll / rotary compressor connected with provided refrigerent pipes , electric cables and drain pipe.	68,552.00	Each
13945 2	Chapter 3-2-27 Suppling ,instslling , testing and commissioning Tower type Room AC unit of 3.5 Ton capacity suitable to operate on 415 V , 50 CYCLES ac supply having 1 no AHU and 1 no cabinet type Floor mounting type condensing unit with gas R32/R410A with anticorrossive Fins, copper Condensor , Dust fliters Hydrophilic Evaporator Fins Powder coated outer body ,with scroll / rotary compressor connected with provided refrigerent pipes , electric cables and drain pipe.	82,474.00	Each
13945 3	Chapter 3-2-28 Suppling ,instslling , testing and commissioning Tower type Room AC unit of 4.5 Ton capacity suitable to operate on 415 V , 50 CYCLES ac supply having 1 no AHU and 1 no cabinet type Floor mounting type condensing unit with gas R32/R410A with anticorrossive Fins, copper Condensor , Dust fliters Hydrophilic Evaporator Fins Powder coated outer body ,with scroll / rotary compressor connected with provided refrigerent pipes , electric cables and drain pipe.	1,00,793.00	Each
	Chapter 3-3 Water Coolers & Refrigerators (AP-WC)		
13945 4	Chapter 3-3-1 Supplying refrigerator domestic type approved make 165 to 185 liters storage capacity, 3 star suitable for operation on 230/250 Volts 50 cycles complete with automatic temperature control conforming to IS specifications No. 1476/79 with one year guarantee for sealed unit in refrigeration system and	9,872.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	marking Sr. No. and date of erection.		
13945 Chapter 3-3-2 5	Supplying refrigerator domestic type approved make 285 to 310 liters storage capacity, 3 star suitable for operation on 230/250 V 50 cycles complete with automatic temperature control conforming to IS specifications No. 1476/79 with one year guarantee for sealed unit in refrigeration system and marking Sr. No. and date of erection.	23,081.00	Each
13945 Chapter 3-3-3 6	Supplying, erecting, testing and commissioning self contained water cooler 230/250V 50 cycles nominal cooling capacity of 40 liters per hour and storage capacity 80 liters with partially stainless steel body As per specification No. AP-WCR/WC	28,617.00	Each
13945 Chapter 3-3-4 7	Supplying, erecting, testing and commissioning self contained water cooler 230/250 V 50 cycles nominal cooling capacity of 80 liters per hour and storage capacity 120 liters with partially stainless steel body as per specification no. AP-WCR/WC	40,890.00	Each
13945 Chapter 3-3-5 8	Supplying, erecting, testing and commissioning self contained water cooler 230/250 Volts 50 cycles nominal cooling capacity of 150 liters per hour and storage capacity 150 liters with partially stainless steel body as per specification No. AP-WCR/WC	43,383.00	Each
13945 Chapter 3-3-6 9	Supplying and erecting, testing and commissioning solar cum natural water cooler suitable for hot and dry weather nominal cooling capacity of 20 liters along with solar panel, fan for cooling, copper storage tank and copper coils with water spraying arrangement as per specification no. AP-WCR/SOLAR WC	63,023.00	Each
13946 Chapter 3-3-7 0	Supplying and erecting, testing and commissioning solar cum natural water cooler suitable for hot and dry weather nominal cooling capacity of 50 liters along with solar panel, fan for cooling, copper storage tank and copper coils with water spraying arrangement as per specification no. AP-WCR/SOLAR WC	76,234.00	Each
13946 Chapter 3-3-8 1	Supplying refrigerator Double Door domestic type approved make 285 to 310 liters storage capacity, 4 star suitable for operation on 230/250 V 50 cycles complete with automatic temperature control conforming to IS specifications No. 1476/79 with one year guarantee for sealed unit in refrigeration system and marking Sr. No. and date of erection.	31,576.00	Each
Chapter 3-4	Air Coolers (ACR)		
13946 Chapter 3-4-1 2	Supplying evaporative air cooler (desert cooler) with galvanised steel body 230/250 Volts, 50 cycles, normal cooling capacity of 50 cu.m per minute with 12" exhaust fan ,min 50 litre water capacity tank complete as per specification No. AP-WCR/DAC	4,369.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
13946 3	Chapter 3-4-2	Supplying evaporative air cooler (desert cooler) with galvanised steel body 230/250 Volts, 50 cycles, normal cooling capacity of 70 cu.m per minute with 15" exhaust fan ,min 68 litre water capacity tank complete as per specification No. AP-WCR/DAC	7,511.00	Each
13946 4	Chapter 3-4-3	Supplying evaporative air cooler (desert cooler) with galvanised steel body 230/250 Volts, 50 cycles, normal cooling capacity of 80 cu.m per minute with 18" exhaust fan ,min 84 litre water capacity tank as per specification No. AP-WCR/DAC	10,075.00	Each
Chapter 3-5		Water Purifiers (WPF)		
13946 5	Chapter 3-5-1	Supplying and erecting ultra violet storage type water purifier with softener for safe drinking water consisting of UV germicidal tube of 8W capacity choke made of copper wire and two indicator lamps with output of purified water 8 Ltr/min with activated carbon filter and softener operating on 230 V single phase A.C. supply.	18,413.00	Each
13946 6	Chapter 3-5-2	Supplying and erecting ultra violet water purifier with softener for safe drinking water consisting of UV germicidal tube of 8W capacity choke made of copper wire and two indicator lamps & with dual function cartridge with output of purified water 2 Ltr/min with activated carbon filter and softener operating on 230 V single phase A.C. supply.	8,131.00	Each
Chapter 3-6		Inverter (AP-INV)		
13946 7	Chapter 3-6-1	Supplying, installing, testing & commissioning of 600 VA Digital pure sine wave inverter based on IGBT technology single phase 230V,50 Hz complete as per specification no. AP-INV (Without batteries)	6,311.00	Each
13946 8	Chapter 3-6-2	Supplying, installing, testing & commissioning of 800 VA Digital pure sine wave inverter based on IGBT technology single phase 230V,50 Hz complete as per specification no. AP-INV (Without batteries)	7,516.00	Each
13946 9	Chapter 3-6-3	Supplying, installing, testing & commissioning of 1400 VA Digital pure sine wave inverter based on IGBT technology single phase 230V,50 Hz complete as per specification no. AP-INV (Without batteries)	10,198.00	Each
13947 0	Chapter 3-6-4	Supplying, installing, testing & commissioning of 2500 VA Digital pure sine wave inverter based on IGBT technology single phase 230V,50 Hz complete as per specification no. AP-INV (Without batteries)	22,231.00	Each
Chapter 3-7		On line UPS (AP-UPS)		

			Rate In (Rs)	
	Item Description	Rate	Unit	
13947 Chapter 3-7-1 1	Supplying & erecting On line UPS pure sine wave of 1 kVA capacity complete with standard features, along with necessary SMF batteries for 30 mins. battery backup, as per specification No. AP-UPS	33,273.00	Each	
13947 Chapter 3-7-2 2	Supplying & erecting On line UPS pure sine wave of 2 kVA capacity complete with standard features, along with necessary SMF batteries for 30 mins battery backup, as per specification No. AP-UPS	46,542.00	Each	
13947 Chapter 3-7-3 3	Supplying & erecting On line UPS pure sine wave of 3 kVA capacity complete with standard features, along with necessary SMF batteries for 30 mins battery backup, as per specification No. AP-UPS	56,763.00	Each	
13947 Chapter 3-7-4 4	Supplying & erecting On line UPS pure sine wave of 5 kVA capacity complete with standard features, along with necessary SMF batteries for 30 mins battery backup, as per specification No. AP-UPS	70,831.00	Each	
13947 Chapter 3-7-5 5	Supplying & erecting On line UPS pure sine wave of 6 kVA capacity complete with standard features, along with necessary SMF batteries for 30 mins battery backup, as per specification No. AP-UPS	1,15,300.00	Each	
13947 Chapter 3-7-6 6	Supplying & erecting On line UPS pure sine wave of 8 kVA capacity complete with standard features,along with necessary SMF batteries for 30 mins battery backup, as per specification No. AP-UPS	1,47,947.00	Each	
13947 Chapter 3-7-7 7	Supplying & erecting On line UPS pure sine wave of 10 kVA capacity complete with standard features,along with necessary SMF batteries for 30 mins battery backup, as per specification No. AP-UPS	1,81,612.00	Each	
	Chapter 3-8 Batteries for Inverter & UPS			
13947 Chapter 3-8-1 8	Supplying and erecting 12 V/80AH TUBULAR Battery with battery terminal wire, duly charged complete with 36 months warranty complete	7,816.00	Each	
13947 Chapter 3-8-2 9	Supplying and erecting 12 V/100AH TUBULAR Battery with battery terminal wire, duly charged complete with 36 months warranty complete	9,413.00	Each	
13948 Chapter 3-8-3 0	Supplying and erecting 12 V/135AH TUBULAR Battery with battery terminal wire, duly charged complete with 36 months warranty complete	12,654.00	Each	

			Rate In (Rs)	
	Item Description		Rate	Unit
13948 Chapter 3-8-4 1	Supplying and erecting 12 V/150AH TUBULAR Battery with battery terminal wire, duly charged complete with 36 months warranty complete		13,114.00	Each
13948 Chapter 3-8-5 2	Supplying and erecting 12 V/180AH TUBULAR Battery with battery terminal wire, duly charged complete with 36 months warranty complete		14,421.00	Each
13948 Chapter 3-8-6 3	Supplying and erecting 12 V/200AH TUBULAR Battery with battery terminal wire, duly charged complete with 36 months warranty complete		17,223.00	Each
Chapter 3-9 Voltage Stabilizers (AP-VS)				
13948 Chapter 3-9-1 4	Supplying and erecting fully automatic line voltage stabilizer buck and boost type for operation on input voltage 160 to 270 V and output voltage 200 to 250 V rated for 0.5 kVA maximum load and with voltmeter, selector switch, 6A/16A flush type 3 pin socket for output and with 3 core flexible cord and 3 pin 6/16 A plug top suitable for refrigerator for continuous operation and marking Sr. No. and date of erection.		2,279.00	Each
13948 Chapter 3-9-2 5	Supplying and erecting fully automatic line Voltage stabilizer, buck and boost type for operation on input voltage 160 to 270V and output voltage 200 to 250V rated for, 1 kVA maximum load and with voltmeter, selector switch, 6A/16A flush type 3 pin socket for output and with 3 core flexible cord and 3 pin 6/16A plug top suitable for Water Cooler below 120 liter cooling capacity, and marking Sr. No. and date of erection.		2,532.00	Each
13948 Chapter 3-9-3 6	Supplying and erecting fully automatic line Voltage stabilizer, buck and boost type for operation on input voltage 160 to 270 V and output voltage 200 to 250 V rated for, 3 kVA maximum load and with voltmeter, selector switch, 6A/16A flush type 3 pin socket for output and with 3 core flexible cord and 3 pin 6/16 A plug top suitable for Air Conditioner of 1 TR / Water Cooler of 120 liter cooling capacity and above, and marking Sr. No. and date of erection.		3,018.00	Each
13948 Chapter 3-9-4 7	Supplying and erecting fully automatic line Voltage stabilizer, buck and boost type for operation on input voltage 160 to 270 V and output voltage 200 to 250 V rated for, 4 kVA maximum load and with voltmeter, selector switch, 6A/16A flush type 3 pin socket for output and with 3 core flexible cord and 3 pin 6/16 A plug top suitable for Air Conditioner of 1.5 TR, and marking Sr. No. and date of erection.		5,135.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
13948 8	Chapter 3-9-5 Supplying and erecting fully automatic line Voltage stabilizer, buck and boost type for operation on input voltage 160 to 270 V and output voltage 200 to 250 V rated for, 5 kVA maximum load and with voltmeter, selector switch, 6A/16A flush type 3 pin socket for output and with 3 core flexible cord and 3 pin 6/16 A plug top suitable for Air Conditioner of 2.0 TR, and marking Sr. No. and date of erection.	8,607.00	Each
Chapter 3-10 Dismantling			
13948 9	Chapter 3-10-1 Dismantling the existing electric Geyser or storage type water heater of any size along with plumbing connections and making the site clear.	139.00	Each
13949 0	Chapter 3-10-2 Dismantling the existing window type air conditioner of any type and capacity safely without any damages and making the site clear.	330.00	Each
13949 1	Chapter 3-10-3 Dismantling the existing split type air conditioner of any type and capacity safely without any damages and making the site clear.	683.00	Each
Chapter 3-11 Accessories for AC & Water cooler			
13949 2	Chapter 3-11-1 providing servicing of 1/1.5/2 /3 Ton capacity split / Window Airconditioner with all necessary material. Job includes checking of performance of unit, cleaning of filters of indoor unit, cleaning of outdoor unit with blower ,checking of electrical connection of indoor as well as outdoor unit and submitting report to Engineer incharge as per specification AP-SER	441.00	Per Job
13949 3	Chapter 3-11-2 Providing Annual comprehensive maintenance contract for 1 ton split/window unit as per terms and conditions. Job includes 1) Quarterly servicing 2) on call repair 3) replacement of all spares within 24 hours .The job exclude sheet metal work and plastic material as per specification AP-SER	5,403.00	Year
13949 4	Chapter 3-11-3 Providing Annual comprehensive maintenance contract for 1.5 ton split/window unit as per terms and conditions. Job includes 1) Quarterly servicing 2) on call repair 3) replacement of all spares within 24 hours 4) Sending standby manpower for VIP movement The job exclude sheet metal work and plastic material as per specification AP-SER	5,980.00	Year
13949 5	Chapter 3-11-4 Providing Annual comprehensive maintenance contract for 2 ton split/window unit as per terms and conditions. Job includes 1) Quarterly servicing 2) on call repair 3) replacement of all spares within 24 hours 4) Sending standby manpower for VIP movement The job exclude sheet metal work and plastic material as per specification AP-SER	7,018.00	Year

		Rate In (Rs)	
Item Description		Rate	Unit
13949 Chapter 3-11-5 6	Providing Annual comprehensive maintenance contract for 3 ton split/window unit as per terms and conditions. Job includes 1) Quarterly servicing 2) on call repair 3) replacement of all spares within 24 hours 4) Sending standby manpower for VIP movement The job exclude sheet metal work and plastic material as per specification AP-SER	7,690.00	Year
13949 Chapter 3-11-6 7	Dismantling existing unservicable Rotary Compressor of air conditioner ,1 TR capacity and replacing it by new one of same capacity with guarantee for one year.	8,366.00	Per Job
13949 Chapter 3-11-7 8	Dismantling existing unservicable Rotary Compressor of air conditioner ,1.5 TR capacity and replacing it by new one of same capacity with guarantee for one year.	9,661.00	Per Job
13949 Chapter 3-11-8 9	Dismantling existing unservicable Rotary Compressor of air conditioner, 2TR capacity and replacing it by new one of same capacity with guarantee for one year.	10,477.00	Per Job
13950 Chapter 3-11-9 0	Dismantling existing unservicable Rotary Compressor of air conditioner, 3 TR capacity and replacing it by new one of same capacity with guarantee for one year.	16,951.00	Per Job
13950 Chapter 1 3-11-10	Providing flushing out cooling coil and condensor coil of airconditioner unit ,gas pipes internally with dry Nitrogen pressure in an approved manner	690.00	Per Job
13950 Chapter 2 3-11-11	Providing brazing to copper pipes and checking leakages in the split/ window unit duly with dry nitrogen pressure in an approved manner	690.00	Per Job
13950 Chapter 3 3-11-12	Providing replacement of unservicable starting Relay for AC unit.	198.00	Each
13950 Chapter 4 3-11-13	Providing replacement of unservicable Starting Capacitor for A/C unit	571.00	Each
13950 Chapter 5 3-11-14	Providing replacement of unservicable Running Capacitor for A/C unit	571.00	Each
13950 Chapter 6 3-11-15	Providing Replacement of unservicable fan motor Capacitor for A/C unit	145.00	Each
13950 Chapter 7 3-11-16	Providing Replacement of unservicable PCB for A/C unit	4,944.00	Each
13950 Chapter 8 3-11-17	Providing repair of faulty PCB for A/C unit	897.00	Each

		Rate In (Rs)	
		Rate	Unit
Item Description			
13950	Chapter 9 3-11-18	Providing new fan motor for condensor for A/C unit	4,577.00 Each
13951	Chapter 0 3-11-19	Providing new fan motor for Room unit for A/C unit	1,115.00 Each
13951	Chapter 1 3-11-20	Providing new fan blade outdoor unit for A/C unit	948.00 Each
13951	Chapter 2 3-11-21	Providing replacement of blower of indoor unit for A/C unit	1,244.00 Each
13951	Chapter 3 3-11-22	Providing replacement of remote of indoor unit for A/C unit	1,128.00 Each
13951	Chapter 4 3-11-23	Providing vaccumising the airconditioner system and charging with R-22 refrigerent gas for A/C unit	709.00 kg
13951	Chapter 5 3-11-24	Providing vaccumising the airconditioner system and charging with R-410A/R32 refrigerent gas for A/C unit	920.00 kg
13951	Chapter 6 3-11-25	Providing vaccumising the airconditioner system to 200 micron and charging with R-22 refrigerent gas for 1 Ton window/split A/C unit.	1,096.00 Per Job
13951	Chapter 7 3-11-26	Providing vaccumising the airconditioner system to 200 micron and charging with R-22 refrigerent gas for 1.5 Ton window/split A/C unit.	1,318.00 Per Job
13951	Chapter 8 3-11-27	Providing vaccumising the airconditioner system to 200 micron and charging with R-22 refrigerent gas for 2 Ton window/split A/C unit.	1,571.00 Per Job
13951	Chapter 9 3-11-28	Providing vaccumising the airconditioner system to 200 micron and charging with R-22 refrigerent gas for 3 Ton window/split A/C unit.	2,597.00 Per Job
13952	Chapter 0 3-11-29	Dismantling existing unservicable Compressor of 40 litre cooling capacity water cooler replacing it by new one of same capacity with guarantee for one year .	7,261.00 Per Job
13952	Chapter 1 3-11-30	Dismantling existing unservicable Compressor of 60 litre cooling capacity water cooler replacing it by new one of same capacity with guarantee for one year .	8,070.00 Per Job
13952	Chapter 2 3-11-31	Dismantling existing unservicable Compressor of 150 litre cooling capacity water cooler replacing it by new one of same capacity with guarantee for one year .	8,910.00 Per Job
13952	Chapter 3 3-11-32	Dismantling existing unservicable condensor coil of 40/80/150 litre cooling capacity water cooler replacing it by new one of same	5,782.00 Per Job

		Rate In (Rs)	
		Rate	Unit
	capacity and testing to the satisfaction of site engineer for cooling and with guarantee for one year		
13952 Chapter 4 3-11-33	Dismantling existing unservicable SS water tank of 40/80/150 litre cooling capacity water cooler replacing it by new one of same capacity and testing to the satisfaction of site engineer for cooling and with guarantee for one year	661.00	Per Job
13952 Chapter 5 3-11-34	Dismantling existing unservicable relay 40/80/150 litre cooling capacity water cooler replacing it by new one of same capacity and testing to the satisfaction of site engineer for cooling and with guarantee for one year	182.00	Per Job
13952 Chapter 6 3-11-35	Dismantling existing unservicable thermostat of 40/80/150 litre cooling capacity water cooler replacing it by new one of same capacity and testing to the satisfaction of site engineer for cooling and with guarantee for one year	470.00	Per Job
13952 Chapter 7 3-11-36	Supplying and erecting candle filter with filter pot for water cooler	1,024.00	Per Job
13952 Chapter 8 3-11-37	Supplying and erecting Connector Pipe for candle filter of water cooler	508.00	Per Job
13952 Chapter 9 3-11-38	Providing replacement of Base tray of water cooler of any capacity	2,146.00	Per Job

Specification:

Chapter Name Energy Saving Devices (ESD)

			Rate In (Rs)	
Item Description			Rate	Unit
Chapter 4-1	Solar Hot Water System (ESD-SHWS)			
13953 Chapter 4-1-1 0	Supplying & Installing, Testing & Commissioning of FPC Solar water heating system without heat exchanger type of 100 LPD capacity as per specification No. ESD-SHWS-FPC	22,554.00	Each	
13953 Chapter 4-1-2 1	Supplying & Installing, Testing & Commissioning of FPC Solar water heating system without heat exchanger type of 200 LPD capacity as per specification No. ESD-SHWS-FPC	38,388.00	Each	
13953 Chapter 4-1-3 2	Supplying & Installing, Testing & Commissioning of FPC Solar water heating system without heat exchanger type of 300 LPD capacity as per specification No. ESD-SHWS-FPC	52,559.00	Each	
13953 Chapter 4-1-4 3	Supplying & Installing, Testing & Commissioning of FPC Solar water heating system without heat exchanger type of 500 LPD capacity as per specification No. ESD-SHWS-FPC	74,942.00	Each	
13953 Chapter 4-1-5 4	Supplying & Installing, Testing & Commissioning of FPC Solar water heating system without heat exchanger type of 1000 LPD capacity as per specification No. ESD-SHWS-FPC	1,25,836.00	Each	
13953 Chapter 4-1-6 5	Supplying & Installing, Testing & Commissioning of ETC Solar water heating system without heat exchanger type of 100 LPD capacity as per specification No. ESD-SHWS-ETC	21,708.00	Each	
13953 Chapter 4-1-7 6	Supplying & Installing, Testing & Commissioning of ETC Solar water heating system without heat exchanger type of 200 LPD capacity as per specification No. ESD-SHWS-ETC	35,522.00	Each	
13953 Chapter 4-1-8 7	Supplying & Installing, Testing & Commissioning of ETC Solar water heating system without heat exchanger type of 300 LPD capacity as per specification No. ESD-SHWS-ETC	38,502.00	Each	
13953 Chapter 4-1-9 8	Supplying & Installing, Testing & Commissioning of ETC Solar water heating system without heat exchanger type of 500 LPD capacity as per specification No. ESD-SHWS-ETC	66,362.00	Each	
13953 Chapter 4-1-10 9	Supplying & Installing, Testing & Commissioning of ETC Solar water heating system without heat exchanger type of 1000 LPD capacity as per specification No. ESD-SHWS-ETC	1,09,966.00	Each	
Chapter 4-2	Pipes for Solar Hot Water System (ESD-HWP)			
13954 Chapter 4-2-1 0	Supplying and erecting G.I pipe 15 mm dia B class with resin bonded flap rock wool/glass wool insulation, with necessary material as per specification No. (ESD-HWP/TGP)	272.00	Meter	

			Rate In (Rs)	
Item Description			Rate	Unit
13954 Chapter 4-2-2 1	Supplying and erecting G.I pipe 20 mm dia B class with resin bonded flap rock wool/glass wool insulation, with necessary material as per specification No. (ESD-HWP/TGP)		315.00	Meter
13954 Chapter 4-2-3 2	Supplying and erecting G.I pipe 25 mm dia B class with resin bonded flap rock wool/glass wool insulation, with necessary material as per specification No. (ESD-HWP/TGP)		464.00	Meter
13954 Chapter 4-2-4 3	Supplying and erecting G.I pipe 32 mm dia B class with resin bonded flap rock wool/glass wool insulation, with necessary material as per specification No. (ESD-HWP/TGP)		534.00	Meter
13954 Chapter 4-2-5 4	Supplying and erecting G.I pipe 40 mm dia B class with resin bonded flap rock wool/glass wool insulation, with necessary material as per specification No. (ESD-HWP/TGP)		601.00	Meter
13954 Chapter 4-2-6 5	Supplying and erecting G.I pipe 50 mm dia B class with resin bonded flap rock wool/glass wool insulation, with necessary material as per specification No. (ESD-HWP/TGP)		761.00	Meter
13954 Chapter 4-2-7 6	Supplying and erecting 12/16 mm (ID/OD) polyethylene composite pipe duly joined by compression/crimp fitted accessories, with internal as well as external end sealing arrangement for Solar Water Heater System as per specification No. (ESD-HWP/PCP)		169.00	Meter
13954 Chapter 4-2-8 7	Supplying and erecting 16/20 mm (ID/OD) polyethylene composite pipe duly joined by compression/crimp fitted accessories, with internal as well as external end sealing arrangement for Solar Water Heater System as per specification No. (ESD-HWP/PCP)		194.00	Meter
13954 Chapter 4-2-9 8	Supplying and erecting 20/25 mm (ID/OD) polyethylene composite pipe duly joined by compression/crimp fitted accessories, with internal as well as external end sealing arrangement for Solar Water Heater System as per specification No. (ESD-HWP/PCP)		244.00	Meter
13954 Chapter 4-2-10 9	Supplying and erecting 25/32 mm (ID/OD) polyethylene composite pipe duly joined by compression/crimp fitted accessories, with internal as well as external end sealing arrangement for Solar Water Heater System as per specification No. (ESD-HWP/PCP)		316.00	Meter
13955 Chapter 4-2-11 0	Supplying and erecting 32/40 mm (ID/OD) polyethylene composite pipe duly joined by compression/crimp fitted accessories, with internal as well as external end sealing arrangement for Solar Water Heater System as per specification No. (ESD-HWP/PCP)		443.00	Meter
13955 Chapter 4-2-12 1	Supplying and erecting 40/50 mm (ID/OD) polyethylene composite pipe duly joined by compression/crimp fitted accessories, with internal as well as external end sealing arrangement for Solar Water Heater System as per specification No. (ESD-HWP/PCP)		627.00	Meter

		Rate In (Rs)	
Item Description	Rate	Unit	
13955 Chapter 4-2-13 2	Supplying and erecting Elastomeric Nitrile rubber / foam tube type sleeves for over coating and insulating on provided PCP pipes / copper pipes having 9 mm thickness and inner diameter / sizes 6 mm for Solar Water Heater System as per specification no ESD-ENR	46.00	Meter
13955 Chapter 4-2-14 3	Supplying and erecting Elastomeric Nitrile rubber / foam tube type sleeves for over coating and insulating on provided PCP pipes / copper pipes having 9 mm thickness and inner diameter / sizes 9 mm for Solar Water Heater System as per specification no ESD-ENR	52.00	Meter
13955 Chapter 4-2-15 4	Supplying and erecting Elastomeric Nitrile rubber / foam tube type sleeves for over coating and insulating on provided PCP pipes / copper pipes having 9 mm thickness and inner diameter / sizes 12 mm for Solar Water Heater System as per specification no ESD-ENR	57.00	Meter
13955 Chapter 4-2-16 5	Supplying and erecting Elastomeric Nitrile rubber / foam tube type sleeves for over coating and insulating on provided PCP pipes / copper pipes having 9 mm thickness and inner diameter / sizes 16 mm for Solar Water Heater System as per specification no ESD-ENR	67.00	Meter
13955 Chapter 4-2-17 6	Supplying and erecting Elastomeric Nitrile rubber / foam tube type sleeves for over coating and insulating on provided PCP pipes / copper pipes having 9 mm thickness and inner diameter / sizes 19 mm for Solar Water Heater System as per specification no ESD-ENR	77.00	Meter
13955 Chapter 4-2-18 7	Supplying and erecting Elastomeric Nitrile rubber / foam tube type sleeves for over coating and insulating on provided PCP pipes / copper pipes having 9 mm thickness and inner diameter / sizes 22 mm for Solar Water Heater System as per specification no ESD-ENR	84.00	Meter
13955 Chapter 4-2-19 8	Supplying and erecting Elastomeric Nitrile rubber / foam tube type sleeves for over coating and insulating on provided PCP pipes / copper pipes having 9 mm thickness and inner diameter / sizes 28 mm for Solar Water Heater System as per specification no ESD-EN	102.00	Meter
13955 Chapter 4-2-20 9	Supplying and erecting Elastomeric Nitrile rubber / foam tube type sleeves for over coating and insulating on provided PCP pipes / copper pipes having 9 mm thickness and inner diameter / sizes 32 mm for Solar Water Heater System as per specification no ESD-ENR	106.00	Meter

		Rate In (Rs)	
Item Description		Rate	Unit
13956 0	Chapter 4-2-21 Supplying and erecting Elastomeric Nitrile rubber / foam tube type sleeves for over coating and insulating on provided PCP pipes / copper pipes having 9 mm thickness and inner diameter / sizes 42 mm for Solar Water Heater System as per specification no ESD-ENR	122.00	Meter
Chapter 4-3 Solar Lighting (ESD-SOL)			
13956 1	Chapter 4-3-1 Supplying and Erecting Solar Home light System with 2 white LED Luminary, 12V 12AH SMF battery/Appropriate Lithium Battery, 20 Wp SPV Module with module mounting hardware control electronic connecting wire switches Battery box as per specification no ESD-SOL/SHL	7,074.00	Each
13956 2	Chapter 4-3-2 Supplying and Erecting Solar Home light System with 3 white LED Luminary, 12v, 20AH SMF battery/Appropriate Lithium Battery, 30 Wp SPV Module with module mounting hardware control electronic connecting wire switches Battery box as per specification no ESD-SOL/SHL	10,155.00	Each
13956 3	Chapter 4-3-3 Supplying and erecting Solar panel comprising high efficiency mono-crystalline / multi crystalline Photovoltaic Cell 100 Wp, 12V, with necessary clamps and module frame on existing structure as per specification no. ESD-SOL/CELL	4,809.00	Each
13956 4	Chapter 4-3-4 Supplying and erecting Solar panel comprising high efficiency mono-crystalline / multi crystalline Photovoltaic Cell 250 Wp, 24V with necessary clamps and module frame on existing structure as per specification no. ESD-SOL/CELL	9,586.00	Each
13956 5	Chapter 4-3-5 Supplying and erecting Solar panel comprising high efficiency mono-crystalline / multi crystalline Photovoltaic Cell 300Wp, 24V, with necessary clamps and module frame on existing structure as per specification no. ESD-SOL/CELL	10,760.00	Each
13956 6	Chapter 4-3-6 Supplying and erecting approved make battery with capacity of 12 V 40 AH with duty cycle 10-12 hrs suitable to charge on PV cell with necessary wiring connections erected in powder coated protection box with stand and nut bolts as per specification no. ESD-SOL/BAT	6,298.00	Each
13956 7	Chapter 4-3-7 Supplying and erecting approved make battery with capacity of 12 V 75 AH with duty cycle 10-12 hrs suitable to charge on PV cell with necessary wiring connections erected in powder coated protection box with stand and nut bolts as per specification no. ESD-SOL/BAT	7,925.00	Each
13956 8	Chapter 4-3-8 Supplying and erecting approved make battery with capacity of 12 V 150 AH with duty cycle 10-12 hrs suitable to charge on PV	14,003.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	cell with necessary wiring connections erected in powder coated protection box with stand and nut bolts as per specification no. ESD-SOL/BAT		
13956 Chapter 4-3-9	9 Supplying, installing, testing and commissioning Solar street light pole comprising of 9 W LED fitting, 12V min. 40AH maintenance free Lithium Battery, min. 40 Wp SPV module, MS Powder Coated Battery Box weatherproof, mounted on 75/80 mm dia. B-Grade GI Pole of 6 Mtr. height alongwith brackets, foundation, earthing and necessary accessories complete as per specification no. ESD-SOL-STL	19,281.00	Each
13957 Chapter 4-3-10	0 Supplying, installing, testing and commissioning Solar street light pole comprising of 14W LED fitting, 12V min. 75AH maintenance free Lithium Battery, min. 75Wp SPV module, MS Powder Coated Battery Box weatherproof, mounted on 75/80 mm dia. B-Grade GI Pole of 6 Mtr. height alongwith brackets, foundation, earthing and necessary accessories complete as per specification no. ESD-SOL-STL	33,037.00	Each
13957 Chapter 4-3-11	1 Supplying, installing, testing and commissioning Solar street light pole comprising of 12W x 2 nos. LED fittings, 12V min. 100AH maintenance free Lithium Battery, min. 100Wp SPV module, MS Powder Coated Battery Box weatherproof, mounted on 75/80 mm dia. B-Grade GI Pole of 6 Mtr. height alongwith brackets, foundation, earthing and necessary accessories complete as per specification no. ESD-SOL-STL	35,961.00	Each
13957 Chapter 4-3-12	2 Supplying, installing, testing and commissioning Solar LED Mini Hi – Mast 20 W X 6 Nos. LED Luminary, 2 Nos. x min. 200AH 12 V Battery, min. 400 Wp SPV Modules, mounted on GI Octagonal Pole with bottom of 130 mm A/F, top 70 mm A/F 6 mtr height alongwith brackets, foundation, earthing and necessary accessories, waterproof Battery Box, Suitable solar inverter, Timer setting arrangement, GI / Powder coated module structure, with first 6 hr. full intensity light output and following 6 hr. with half intensity light output alongwith Solar and local electrical power supply charging facility as per specification no. ESD-SOL-STL-MHM	1,16,655.00	Each
	Chapter 4-4 Miscellaneous		
13957 Chapter 4-4-1	3 Supplying and erecting Quartz Electronic time switch having 24 hour dial to work on 250V 50 cycle A.C. having built in rechargeable Nickel Cadmium batteries to run the time switch on failure of supply having switch contact rating upto 16A to use independently or in conjunction with contactor.	2,254.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
13957 Chapter 4-4-2 4	Supplying and erecting two pole power contactor 250V 12A for time switch complete erected on wooden block/provided box, with necessary materials.	1,133.00	Each
13957 Chapter 4-4-3 5	Supplying and erecting two pole power contactor 250V 32A for time switch complete erected on wooden block/provided box, with necessary materials.	3,047.00	Each
13957 Chapter 4-4-4 6	Supplying and erecting 4 pole power contactor 440V 16A for time switch complete erected on wooden block/provided box, with necessary materials.	1,228.00	Each
13957 Chapter 4-4-5 7	Supplying and erecting 4 pole power contactor 440V 40A for time switch complete erected on wooden block/provided box, with necessary materials.	2,969.00	Each
13957 Chapter 4-4-6 8	Supplying and erecting Programmable Digital Almanac Timer Microcontroller based with real time clock to operate on derived switching "ON" & switching "OFF" street light as per daily sunset and sunrise respectively automatically having 4 digit LED continuous time display, relay output 230V / 10A with 10 Hrs battery backup and manual over drive facility capable to drive different capacity contactors timer erected in MS box in an approved manner.	6,546.00	Each
13957 Chapter 4-4-7 9	Providing and fixing H.D.P.E container one piece moulded water tank made out of high density polyethylene and built corrugated inclusive of delivery up to destination hoisting and fixing of accessories such as inlet,outlet overflow pipe inclusive of all tanks capacity up to 20000 liters.	9.00	litre
Chapter 4-5 Rooftop OFF Grid Solar Systems (ESD-RT-OFG)			
13958 Chapter 4-5-1 0	Supplying, Installing,Testing and commissioning of 1 KWp Offgrid Solar Power Pack with GI mounting structure and inter connecting wires / cables along with battery bank of min. 600 AH capacity, SPV Modules of 1 KWp, Solar power Invertor of min. 1 KVA capacity complete. With 5 years on site performance warranty as per Specification no. ESD-RT-OFG	1,29,829.00	Per Job
13958 Chapter 4-5-2 1	Supplying, Installing,Testing and commissioning of 1.5 KWp Off Grid Solar Power Pack with GI mounting structure and inter connecting wires / cables along with battery bank of min. 900 AH capacity, SPV Modules of 1.5 KWp, Solar power Invertor of min. 2 KVA capacity complete. With 5 years on site performance warranty as per Specification no. ESD-RT-OFG	1,92,542.00	Per Job
13958 Chapter 4-5-3 2	Supplying, Installing,Testing and commissioning of 2 KWp Offgrid Solar Power Pack with GI mounting structure and inter connecting	2,70,406.00	Per Job

		Rate In (Rs)	
Item Description		Rate	Unit
	wires / cables along with battery bank of min. 1200 AH capacity, SPV Modules of 2 KWp, Solar power Invertor of min. 2 KVA capacity complete. With 5 years on site performance warranty as per Specification no. ESD-RT-OfG		
13958 Chapter 4-5-4 3	Supplying, Installing,Testing and commissioning of 3 KWp Offgrid Solar Power Pack with GI mounting structure and inter connecting wires / cables along with battery bank of min. 1800 AH capacity, SPV Modules of 3 KWp, Solar power Invertor of min. 3 KVA capacity complete. With 5 years on site performance warranty as per Specification no. ESD-RT-OfG	3,49,370.00	Per Job
13958 Chapter 4-5-5 4	Supplying, Installing,Testing and commissioning of 5 KWp Offgrid Solar Power Pack with GI mounting structure and inter connecting wires / cables along with battery bank of min. 3000 AH capacity, SPV Modules of 5 KWp, Solar power Invertor of min. 5 KVA capacity complete. With 5 years on site performance warranty as per Specification no. ESD-RT-OfG	5,80,071.00	Per Job
13958 Chapter 4-5-6 5	Supplying, Installing,Testing and commissioning of 7.5 KWp Off Grid Solar Power Pack with GI mounting structure and inter connecting wires / cables along with battery bank of min. 4500 AH capacity, SPV Modules of 7.5 KWp, Solar power Invertor of min. 7.5 KVA capacity complete. With 5 years on site performance warranty as per Specification no. ESD-RT-OfG	7,57,002.00	Per Job
13958 Chapter 4-5-7 6	Supplying, Installing,Testing and commissioning of 10 KWp Offgrid Solar Power Pack with GI mounting structure and inter connecting wires / cables along with battery bank of min. 6000 AH capacity, SPV Modules of 10 KWp, Solar power Invertor of min. 10 KVA capacity complete. With 5 years on site performance warranty as per Specification no. ESD-RT-OfG	10,21,335.	Per Job
Chapter 4-6 Rooftop ON Grid Solar Systems (ESD-RT-ONG)			
13958 Chapter 4-6-1 7	Supplying, Installing,Testing and commissioning of 1 KWp capacity On-Grid Solar Power Pack with GI mounting structure and inter connecting wires / cables without battery bank SPV Modules of 1 KWp, Solar power Conditioning unit of min. 1KVA capacity complete. With 5 years on site performance warranty as per Specification no ESD-RT-ONG	76,166.00	Per Job
13958 Chapter 4-6-2 8	Supplying, Installing,Testing and commissioning of 2 KWp capacity On-Grid Solar Power Pack with GI mounting structure and inter connecting wires / cables without battery bank SPV Modules of 2 KWp, Solar power Conditioning unit of min. 2 KVA capacity complete. With 5 years on site performance warranty as per Specification no ESD-RT-ONG	1,21,146.00	Per Job

		Rate In (Rs)	
Item Description		Rate	Unit
13958 Chapter 4-6-3 9	Supplying, Installing, Testing and commissioning of 3 KWp capacity On-Grid Solar Power Pack with GI mounting structure and inter connecting wires / cables without battery bank SPV Modules of 3 KWp, Solar power Conditioning unit of min. 3 KVA capacity complete. With 5 years on site performance warranty as per Specification no ESD-RT-ONG	1,73,880.00	Per Job
13959 Chapter 4-6-4 0	Supplying, Installing, Testing and commissioning of 5 KWp capacity On-Grid Solar Power Pack with GI mounting structure and inter connecting wires / cables without battery bank SPV Modules of 5 KWp, Solar power Conditioning unit of min. 5 KVA capacity complete. With 5 years on site performance warranty as per Specification no ESD-RT-ONG	3,25,776.00	Per Job
13959 Chapter 4-6-5 1	Supplying, Installing, Testing and commissioning of 7.5 KWp capacity On-Grid Solar Power Pack with GI mounting structure and inter connecting wires / cables without battery bank SPV Modules of 7.5 KWp, Solar power Conditioning unit of min. 7.5 KVA capacity complete. With 5 years on site performance warranty as per Specification no ESD-RT-ONG	4,87,196.00	Per Job
13959 Chapter 4-6-6 2	Supplying, Installing, Testing and commissioning of 10 KWp capacity On-Grid Solar Power Pack with GI mounting structure and inter connecting wires / cables without battery bank SPV Modules of 10 KWp, Solar power Conditioning unit of min. 10 KVA capacity complete. With 5 years on site performance warranty as per Specification no ESD-RT-ONG	6,42,253.00	Per Job
Chapter 4-7 Solar Water Pump Systems (ESD-SWPS)			
13959 Chapter 4-7-1 3	Supplying, Installing, Testing and commissioning of 1 HP capacity AC/DC Solar water pump (SPV pump), comprising of min. 1 KWp capacity multi crystalline SPV modules mounted on GI Structure with necessary hardware with controller, suitable size HDPE delivery water pipe line up to 60mtr length inside or above water tank/borewell with necessary control valves and necessary power supply cable of appropriate size complete. With 5 years on site performance warranty as per specification no. ESD-SWPS	1,10,160.00	Per Job
13959 Chapter 4-7-2 4	Supplying, Installing, Testing and commissioning of 2 HP capacity AC/DC Solar water pump (SPV pump), comprising of min. 2 KWp capacity multi crystalline SPV modules mounted on GI Structure with necessary hardware with controller, suitable size HDPE delivery water pipe line up to 60mtr length inside or above water tank/borewell with necessary control valves and necessary power supply cable of appropriate size complete. With 5 years on site performance warranty as per specification no. ESD-SWPS	2,12,338.00	Per Job

		Rate In (Rs)	
Item Description		Rate	Unit
13959 Chapter 4-7-3 5	Supplying, Installing, Testing and commissioning of 3 HP capacity AC/DC Solar water pump (SPV pump), comprising of min. 3 KWp capacity multi crystalline SPV modules mounted on GI Structure with necessary hardware with controller, suitable size HDPE delivery water pipe line up to 60mtr length inside or above water tank/borewell with necessary control valves and necessary power supply cable of appropriate size complete. With 5 years on site performance warranty as per specification no. ESD-SWPS	2,58,379.00	Per Job
13959 Chapter 4-7-4 6	Supplying, Installing, Testing and commissioning of 5 HP capacity AC/DC Solar water pump (SPV pump), comprising of min. 5 KWp capacity multi crystalline SPV modules mounted on GI Structure with necessary hardware with controller, suitable size HDPE delivery water pipe line up to 60 mtr length inside or above water tank/borewell with necessary control valves and necessary power supply cable of appropriate size complete. With 5 years on site performance warranty as per specification no. ESD-SWPS	4,28,806.00	Per Job
13959 Chapter 4-7-5 7	Supplying, Installing, Testing and commissioning of 7.5 HP capacity AC/DC Solar water pump (SPV pump), comprising of min. 7.5 KWp capacity multi crystalline SPV modules mounted on GI Structure with necessary hardware with controller, suitable size HDPE delivery water pipe line up to 60 mtr length inside or above water tank/borewell with necessary control valves and necessary power supply cable of appropriate size complete. With 5 years on site performance warranty as per specification no. ESD-SWPS	6,00,238.00	Per Job
13959 Chapter 4-7-6 8	Supplying, Installing, Testing and commissioning of 10 HP capacity AC/DC Solar water pump (SPV pump), comprising of min. 10 KWp capacity multi crystalline SPV modules mounted on GI Structure with necessary hardware with controller, suitable size HDPE delivery water pipe line up to 60 mtr length inside or above water tank/borewell with necessary control valves and necessary power supply cable of appropriate size complete. With 5 years on site performance warranty as per specification no. ESD-SWPS	7,70,068.00	Per Job
Chapter 4-8 Dismantling			
13959 Chapter 4-8-1 9	Dismantling the existing solar water heating system upto 500 LPD Capacity along with piping etc. from RoofTop & Bringing Down to ground	1,746.00	Each
13960 Chapter 4-8-2 0	Dismantling the existing solar water heating system above 500 to 1000 LPD Capacity along with piping etc. from RoofTop & Bringing Down to ground.	2,796.00	Each

Specification:

Rate Card

PMC

Effective Date 01/04/2018

Chapter Name Switchgears (SW)

Rate In (Rs)

Item Description		Rate	Unit
Chapter 5-1	LT - IC/MC Switchgears, ATS (SW-SWR)		
13960 Chapter 5-1-1	1 Supplying and erecting Insulated D.P. switch surface type/ flush type 32A 240V with indicator lamp & fuse as per specification No. SW-SWR/BDP	163.00	Each
13960 Chapter 5-1-2	2 Supplying and erecting double pole metal /iron clad switch with fuse and neutral link 240V 16A on iron / G.I. Frame / board as per specification No. SW-SWR/MDP	473.00	Each
13960 Chapter 5-1-3	3 Supplying and erecting double pole metal /iron clad switch with H.C. type fuse and neutral link 240V, 32A on iron / G.I. frame/board as per specification No. SW-SWR/MDP	779.00	Each
13960 Chapter 5-1-4	4 Supplying and erecting double pole metal / iron clad switch with fuse 63A 240V on iron / G.I. frame/ board as per specification No. SW-SWR/MDP	1,733.00	Each
13960 Chapter 5-1-5	5 Supplying and erecting Triple pole metal / iron clad switch & H.C. type fuse 415 / 500V 16A on iron / G.I. frame / board as per specification No. SW-SWR/MTP	977.00	Each
13960 Chapter 5-1-6	6 Supplying and erecting Triple pole metal / iron clad switch & fuse 415 / 500V 32A on iron / G.I. frame / board as per specification No. SW-SWR/MTP	1,213.00	Each
13960 Chapter 5-1-7	7 Supplying and erecting Triple pole metal/ iron clad switch and fuse 415 / 500V 63A on angle iron / G.I. frame as per specification No. SW-SWR/MTP	2,371.00	Each
13960 Chapter 5-1-8	8 Supplying and erecting Triple pole metal / iron clad switch and fuse 415 / 500V 100A on angle iron / G.I. frame as per specification No. SW-SWR/MTP	4,873.00	Each
13960 Chapter 5-1-9	9 Supplying and erecting Triple pole metal / iron clad re- wireable fuse switch 415 / 500V 200A on angle iron / G.I. frame as per specification No. SW-SWR / MTP	6,140.00	Each
13961 Chapter 5-1-10	0 Supplying and erecting Triple pole iron clad HC type rewirable fuse and switch 415 / 500V 16A with neutral link on angle iron / G.I. frame as per specification No.SW-SWR/MTP	966.00	Each
13961 Chapter 5-1-11	1 Supplying and erecting Triple pole iron clad H.C. type rewirable fuse and switch 415 / 500V 32A with neutral link on angle iron / G.I. frame as per specification No. SW-SWR/MTP	1,338.00	Each
13961 Chapter 5-1-12	2 Supplying and erecting Triple pole iron clad H.C. type rewirable fuse and switch 415 / 500V 63A with neutral link on angle iron / G.I. frame as per specification No. SW-SWR/MTP	2,547.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
13961 3	Chapter 5-1-13 Supplying and erecting Triple pole metal/ iron clad switch and fuse 415/ 500V 100A with neutral link on angle iron / G.I. frame as per specification No. SW-SWR/MTP	5,149.00	Each
13961 4	Chapter 5-1-14 Supplying and erecting Triple pole metal clad/ iron clad rewirable fuse 415/ 500V 200A with neutral link on angle iron / G.I. frame as per specification No. SW-SWR/MTP	8,663.00	Each
13961 5	Chapter 5-1-15 Supplying and erecting Triple pole metal/ iron clad HRC fuse switch 415/ 500V 63A with neutral link with ISI marked HRC fuses on angle iron / G.I. frame as per specification No. SW-SWR/TPHRC	4,187.00	Each
13961 6	Chapter 5-1-16 Supplying and erecting Triple pole metal/ iron clad HRC fuse switch 415/ 500 V.100 A. with neutral link with ISI marked HRC fuses on angle iron / G.I. frame as per specification no. SW-SWR/TPHRC	5,958.00	Each
13961 7	Chapter 5-1-17 Supplying and erecting Triple pole metal/ iron clad HRC fuse switch 415/ 500V 200A with neutral link with ISI marked HRC fuses on angle iron / G.I. frame as per specification No. SW-SWR/TPHRC	8,171.00	Each
13961 8	Chapter 5-1-18 Supplying and erecting Triple pole metal / iron clad HRC fuse switch 415/ 500V 300-320 A with neutral link with ISI marked HRC fuses, on angle iron / G.I. frame as per specification No. SW-SWR/TPHRC	9,950.00	Each
13961 9	Chapter 5-1-19 Supplying and erecting Triple pole metal clad HRC fuse switch 415/ 500V 400A with neutral link with ISI marked HRC fuses, on angle iron / G.I. frame as per specification No. SW-SWR/TPHRC	15,329.00	Each
13962 0	Chapter 5-1-20 Supplying and erecting Triple pole metal clad HRC fuse switch 415/ 500V 500A with neutral link with ISI marked HRC fuses, on angle iron / G.I. frame as per specification No. SW-SWR/TPHRC	18,811.00	Each
13962 1	Chapter 5-1-21 Supplying and erecting Triple pole metal clad HRC fuse switch 415/ 500V 630A with neutral link with ISI marked HRC fuses, on angle iron / G.I. frame. As per specification No. SW-SWR/TPHRC	21,568.00	Each
13962 2	Chapter 5-1-22 Supplying and erecting Triple pole metal clad HRC fuse switch 415 / 500V 800A with neutral link with ISI marked HRC fuses, on angle iron / G.I. frame as per specification No. SW-SWR/TPHRC	31,117.00	Each
13962 3	Chapter 5-1-23 Supplying & erecting Four pole Iron clad/metal clad ON LOAD change over switch 16A, 415 / 500V erected on angle iron / G.I. frame approved make.	1,953.00	Each
13962 4	Chapter 5-1-24 Supplying & erecting Four pole Iron clad/metal clad ON LOAD change over switch 40A, 415 / 500V erected on angle iron / G.I. frame approved make.	2,383.00	Each

		Rate In (Rs)	
Item Description	Rate	Unit	
13962 Chapter 5-1-25 5	Supplying & erecting Four pole Iron clad/metal clad ON LOAD change over switch 63A, 415/500V erected on angle iron / G.I. frame approved make.	4,316.00	Each
13962 Chapter 5-1-26 6	Supplying & erecting on load four pole Iron clad/metal clad ON LOAD change over switch 100A, 415 / 500V erected on angle iron / G.I. frame approved make.	7,764.00	Each
13962 Chapter 5-1-27 7	Supplying & erecting on load Four pole Iron clad/metal clad ON LOAD change over switch 200A, 415/500V erected on angle iron / G.I. frame approved make.	8,607.00	Each
13962 Chapter 5-1-28 8	Supplying & erecting on load Four pole Iron clad/metal clad ON LOAD change over switch 320A, 415/500V erected on angle iron / G.I. frame approved make.	13,307.00	Each
13962 Chapter 5-1-29 9	Supplying & erecting on load Four pole Iron clad/metal clad ON LOAD change over switch 400A, 415/500V erected on angle iron / G.I. frame approved make.	19,243.00	Each
13963 Chapter 5-1-30 0	Supplying and erecting two pole iron clad/ metal clad ON LOAD change over switch 16A 240V erected on angle iron / G.I. frame approved make and duly connected with suitable wire leads.	1,022.00	Each
13963 Chapter 5-1-31 1	Supplying and erecting two pole iron clad/ metal clad ON LOAD change over switch 32A 240V erected on angle iron / G.I. frame approved make and duly connected with suitable wire leads.	1,423.00	Each
13963 Chapter 5-1-32 2	Supplying and erecting approved make ON LOAD Four Pole Automatic Transfer Switch suitable for 415V, 50 Hz, 100A capacity conforming to IEC: 60947-1 & IEC: 947-6-1/ IS: 13947-1, with Enclosure, automatic/manual inbuilt Time delay, high transfer speed, excellent breaking capacity, superior making capacity, compact & light weight, erected on provided angle iron /G.I. frame and connected with provided leads.	35,072.00	Each
13963 Chapter 5-1-33 3	Supplying and erecting approved make ON LOAD Four Pole Automatic Transfer Switch suitable for 415V, 50 Hz, 160A capacity conforming to IEC: 60947-1 & IEC: 947-6-1/ IS: 13947-1, with Enclosure, automatic/manual inbuilt Time delay, high transfer speed, excellent breaking capacity, superior making capacity, compact & light weight, erected on provided angle iron / G.I. frame and connected with provided leads.	45,710.00	Each
13963 Chapter 5-1-34 4	Supplying and erecting approved make ON LOAD Four Pole Automatic Transfer Switch suitable for 415V, 50 Hz, 200A capacity conforming to IEC: 60947-1 & IEC: 947-6-1/ IS: 13947-1, with Enclosure, automatic/manual inbuilt Time delay, high transfer	57,192.00	Each

		Rate In (Rs)	
Item Description	Rate	Unit	
	speed, excellent breaking capacity, superior making capacity, compact & light weight, erected on provided angle iron / G.I. frame and connected with provided leads.		
13963 Chapter 5-1-35 5	Supplying and erecting approved make ON LOAD Four Pole Automatic Transfer Switch suitable for 415V, 50 Hz, 320A capacity conforming to IEC: 60947-1 & IEC: 947-6-1/ IS: 13947-1, with Enclosure, automatic/manual inbuilt Time delay, high transfer speed, excellent breaking capacity, superior making capacity, compact & light weight, erected on provided angle iron / G.I. frame and connected with provided leads.	66,756.00	Each
13963 Chapter 5-1-36 6	Supplying and erecting approved make ON LOAD Four Pole Automatic Transfer Switch suitable for 415V, 50 Hz, 400A capacity conforming to IEC: 60947-1 & IEC: 947-6-1/ IS: 13947-1, with Enclosure, automatic/manual inbuilt Time delay, high transfer speed, excellent breaking capacity, superior making capacity, compact & light weight, erected on provided angle iron / G.I. frame and connected with provided leads.	79,339.00	Each
Chapter 5-2	IC / MC Distribution Boards/ Mini Feeder Pillar/ street light control panel(SW-DB)		
13963 Chapter 5-2-1 7	Supplying and erecting metal clad distribution board approved make 240V. 2 way,16A. per way & neutral bar connector complete erected on iron / G.I. frame / wooden plank or Board as per specification no. SW-SWR/MDB	524.00	Each
13963 Chapter 5-2-2 8	Supplying and erecting metal clad distribution board approved make 240V 3 way, 16A. per way & neutral bar connector complete erected on iron / G.I. frame/ wooden plank or Board as per specification No. SW-SWR/MDB	584.00	Each
13963 Chapter 5-2-3 9	Supplying and erecting metal clad distribution board approved make 240V, 4 way, 16A. per way & neutral bar connector complete erected on iron / G.I. frame/ wooden plank or Board as per specification No. SW-SWR/MDB	651.00	Each
13964 Chapter 5-2-4 0	Supplying and erecting metal clad distribution board approved make 240V. 6 way,16A. per way & neutral bar connector complete erected on iron / G.I. frame/ wooden plank or Board as per specification no. SW-SWR/MDB	837.00	Each
13964 Chapter 5-2-5 1	Supplying and erecting metal clad distribution board approved make 240V. 8 way,16A. per way & neutral bar connector complete erected on iron / G.I. frame/ wooden plank or Board as per specification no. SW-SWR/MDB	1,008.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
13964 Chapter 5-2-6 2	Supplying and erecting metal clad distribution board approved make 415/500V, 3 way, 16A. per way & neutral bar connector complete erected on iron / G.I. frame/ wooden plank or Board as per specification No. SW-SWR/MDB	2,300.00	Each
13964 Chapter 5-2-7 3	Supplying and erecting metal clad distribution board approved make 415/500V, 4 way, 16A per way & neutral bar connector complete erected on iron / G.I. frame/ wooden plank or Board as per specification No. SW-SWR/MDB	2,523.00	Each
13964 Chapter 5-2-8 4	Supplying and erecting metal clad distribution board approved make 415/500V, 6 way, 16A. per way & neutral bar connector complete erected on iron / G.I. frame/ wooden plank or Board as per specification No. SW-SWR/MDB	2,930.00	Each
13964 Chapter 5-2-9 5	Supplying and erecting metal clad distribution board approved make 415/500 V, 8 way, 16 A. per way & neutral bar connector complete erected on iron / G.I. frame/ wooden plank or Board as per specification No. SW-SWR/MDB	3,891.00	Each
13964 Chapter 5-2-10 6	Supplying and erecting metal clad distribution board approved make 415/500V, 3 way, 32A. per way & neutral bar connector complete erected on iron / G.I. frame/ wooden plank or Board as per specification No. SW-SWR/MDB	2,887.00	Each
13964 Chapter 5-2-11 7	Supplying and erecting metal clad distribution board approved make 415/500V, 4 way, 32A. per way & neutral bar connector complete erected on iron / G.I. frame/ wooden plank or Board as per specification No. SW-SWR/MDB	3,059.00	Each
13964 Chapter 5-2-12 8	Supplying and erecting metal clad distribution board approved make 415/500V, 6 way, 32A. per way & neutral bar connector complete erected on iron / G.I. frame/ wooden plank or Board as per specification No. SW-SWR/MDB	4,039.00	Each
13964 Chapter 5-2-13 9	Supplying and erecting metal clad distribution board approved make 415/500V, 8 way, 32A. per way & neutral bar connector complete erected on iron / G.I. frame/ wooden plank or Board as per specification No. SW-SWR/MDB	5,082.00	Each
13965 Chapter 5-2-14 0	Supplying and erecting mini feeder pillar triple pole with 200A FPMCCB as incomer and 2 outgoing circuits with HRC Fuse base and Cartridge of 100A consists of aluminium bus bar 500 V 200 A. complete erected in 14 gauge CRCA sheet box with supporting angles, self locks, gasket and slanting top to be erected on provided foundation as per specification No. SW-SWR/MFP	30,923.00	Each
13965 Chapter 5-2-15 1	Supplying and erecting mini feeder pillar triple pole with 300A FPMCCB as incomer and 3 outgoing circuits with HRC Fuse base	44,665.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	and Cartridge of 100A consists of aluminium bus bar 500V 300A complete erected in 14 gauge CRCA sheet box with supporting angles, self locks, gasket and slanting top to be erected on provided foundation as per per specification No. SW-SWR/MFP		
13965 Chapter 5-2-16 2	Supplying & erecting street light control panel in powder coated CRCA 14/16 SWG sheet, outdoor type, Single phase, 240 Volts consisted of suitable rating contactor, 24 Hrs Digital / Astronomical time switch, SPN MCB 40 Amp, Auto/manual selector switch, ON/OFF push buttons, indicator lamps, control wiring, metering device, etc for automatic operation & overcurrent, short circuit, earth fault protection of street lights upto the max load of 6 kW on provided iron frame/ CC foundation.	18,135.00	Each
13965 Chapter 5-2-17 3	Supplying & erecting street light control panel in powder coated CRCA 14/16 SWG sheet, outdoor type, Single phase, 240 Volts consisted of suitable rating contactor, 24 Hrs Digital / Astronomical time switch, SPN MCB 63 Amp, Auto/manual selector switch, ON/OFF push buttons, indicator lamps, control wiring, metering device, etc for automatic operation & overcurrent, short circuit, earth fault protection of street lights upto the max load of 12 kW on provided iron frame / CC foundation.	22,903.00	Each
13965 Chapter 5-2-18 4	Supplying & erecting street light control panel in powder coated CRCA 14/16 SWG sheet, outdoor type, three phase, 415 Volts consisted of suitable rating contactor, 24 Hrs Digital / Astronomical time switch, TPN MCB 40 Amp, Auto/manual selector switch, ON/OFF push buttons, indicator lamps, control wiring, metering device, etc for automatic operation & overcurrent, short circuit, earth fault protection of street lights upto the max load of 6 Kw on provided iron frame / CC foundation.	21,689.00	Each
13965 Chapter 5-2-19 5	Supplying & erecting street light control panel in powder coated CRCA 14/16 SWG sheet, outdoor type, three phase, 415Volts consisted of suitable rating contactor, 24 Hrs Digital/ Astronomical time switch, TPN MCB 63 Amp, Auto/manual selector switch, ON/OFF push buttons, indicator lamps, control wiring, metering device, etc for automatic operation & overcurrent, short circuit, earth fault protection of street lights upto the max load of 12 kW on provided iron frame / CC foundation.	28,450.00	Each
13965 Chapter 5-2-20 6	Supplying & erecting street light control panel in powder coated CRCA 14/16 SWG sheet, outdoor type, three phase, 415 Volts consisted of suitable rating contactor, 24 Hrs Digital/ Astronomical time switch, TPN MCB 110 Amp, Auto/manual selector switch, ON/OFF push buttons, indicator lamps, control wiring, metering device, etc for automatic operation & overcurrent, short circuit,	42,589.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
earth fault protection of street lights upto the max load of 12 kW on provided iron frame / CC foundation.			
Chapter 5-3	LT - MCBs/ MCB change over switch (SW-MCB)		
13965 Chapter 5-3-1 7	Supplying, erecting & marking SPMCB 0.5A to 5A in provided distribution board as per specification No. SW-SWR/MCB	217.00	Each
13965 Chapter 5-3-2 8	Supplying, erecting & marking SPMCB 6A to 32A, C-series (for motor/power) in provided distribution board as per specification No. SW-SWR/MCB	152.00	Each
13965 Chapter 5-3-3 9	Supplying, erecting & marking SPMCB 6A to 32A, B- series (for lighting) in provided distribution board as per specification No. SW-SWR/MCB	151.00	Each
13966 Chapter 5-3-4 0	Supplying, erecting & marking SPMCB 40A to 63A C- series (for motor/power) in provided distribution board as per specification No. SW-SWR/MCB	303.00	Each
13966 Chapter 5-3-5 1	Supplying, erecting & marking SPMCB 40A to 63A, B- series (for lighting) in provided distribution board as per specification No. SW-SWR/MCB	286.00	Each
13966 Chapter 5-3-6 2	Supplying, erecting & marking DPMCB 6A to 32A, C- series (for motor/power) in provided distribution board as per specification No. SW-SWR/MCB	460.00	Each
13966 Chapter 5-3-7 3	Supplying, erecting & marking DPMCB 6 A to 32 A B- series (for lighting) in provided distribution board as per specification no. SW-SWR/MCB	433.00	Each
13966 Chapter 5-3-8 4	Supplying, erecting & marking DPMCB 40A to 63A, C- series (for motor/power) in provided distribution board as per specification No. SW-SWR/MCB	627.00	Each
13966 Chapter 5-3-9 5	Supplying, erecting & marking DPMCB 40A to 63A, B- series (for lighting) in provided distribution board as per specification No. SW-SWR/MCB	587.00	Each
13966 Chapter 5-3-10 6	Supplying, erecting & marking SPN MCB 6A to 32A, C- series (for motor/power) in provided distribution board as per specification No. SW-SWR/MCB	424.00	Each
13966 Chapter 5-3-11 7	Supplying, erecting & marking SPN MCB 6A to 32A, B- series (for lighting) in provided distribution board as per specification No. SW-SWR/MCB	381.00	Each
13966 Chapter 5-3-12 8	Supplying, erecting & marking SPN MCB 40A, C-series (for motor/power) in provided distribution board as per specification No. SW-SWR/MCB	585.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
13966 9	Chapter 5-3-13 Supplying, erecting & marking SPN MCB 40A, B-series (for lighting) in provided distribution board as per specification No. SW-SWR/MCB	530.00	Each
13967 0	Chapter 5-3-14 Supplying, erecting & marking TPMCB 6 A to 32A in provided distribution board as per specification No. SW-SWR/MCB	696.00	Each
13967 1	Chapter 5-3-15 Supplying, erecting & marking TPMCB 40A to 63A in provided distribution board as per specification No. SW-SWR/MCB	925.00	Each
13967 2	Chapter 5-3-16 Supplying, erecting & marking FPMCB 6A to 32A in provided distribution board as per specification No. SW-SWR/MCB	951.00	Each
13967 3	Chapter 5-3-17 Supplying, erecting & marking FPMCB 40A to 63A in provided distribution board as per specification No. SW-SWR/MCB	1,231.00	Each
13967 4	Chapter 5-3-18 Supplying, erecting & marking TPN MCB 6A to 32A, C- series in provided distribution board as per specification No. SW-SWR/MCB	889.00	Each
13967 5	Chapter 5-3-19 Supplying, erecting & marking TPN MCB 40A to 63A, C- Series in provided distribution board as per specification No. SW-SWR/MCB	1,139.00	Each
13967 6	Chapter 5-3-20 Supplying erecting and marking double pole isolator only switch version of miniature circuit breaker (Conforming to IS:8828 of1996) of 40A with required wiring connections and lugs etc. in provided distribution board.	290.00	Each
13967 7	Chapter 5-3-21 Supplying erecting and marking triple pole isolators only switch version of miniature circuit breaker of 40A with required wiring connections and lugs etc. in provided distribution board.	517.00	Each
13967 8	Chapter 5-3-22 Supplying erecting and marking Triple pole isolators only switch version of miniature circuit breaker of 63A with required wiring connections and lugs etc. in provided distribution board.	581.00	Each
13967 9	Chapter 5-3-23 Supplying erecting and marking Triple pole isolators only switch version of miniature circuit breaker of 100A with required wiring connections and lugs etc. in provided distribution board.	660.00	Each
13968 0	Chapter 5-3-24 Supplying erecting and marking Four pole isolators only switch version of miniature circuit breakers of 40A in provided distribution board.	650.00	Each
13968 1	Chapter 5-3-25 Supplying erecting and marking Four pole isolators only switch version of miniature circuit breakers of 63A in provided distribution board.	659.00	Each
13968 2	Chapter 5-3-26 Supplying erecting and marking Four pole isolators only switch version of miniature circuit breakers of 80/100A in provided distribution board.	848.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
13968	Chapter 5-3-27 Supplying, fixing and commissioning MCB type change over switch 3 2 Pole, 25 Amps with 3 positions (I-O-II) with centre off position as per specification No. SW-SWR/MCBCOS	1,042.00	Each
13968	Chapter 5-3-28 Supplying, fixing and commissioning MCB type change over switch 4 2 Pole, 40 Amps with 3 positions (I-O-II) with centre off position as per specification No. SW-SWR/MCBCOS	1,553.00	Each
13968	Chapter 5-3-29 Supplying, fixing and commissioning MCB type change over switch 5 2 Pole, 63 Amps with 3 positions (I-O-II) with centre off position as per specification No. SW-SWR/MCBCOS	1,796.00	Each
13968	Chapter 5-3-30 Supplying, fixing and commissioning MCB type change over switch 6 4 Pole,25Amps with 3 positions (I-O-II) with centre off position as per specification No. SW-SWR/MCBCOS	1,799.00	Each
13968	Chapter 5-3-31 Supplying, fixing and commissioning MCB type change over switch 7 4 Pole,40Amps with 3 positions (I-O-II) with centre off position as per specification No. SW-SWR/MCBCOS	2,769.00	Each
13968	Chapter 5-3-32 Supplying, fixing and commissioning MCB type change over switch 8 4 Pole, 63Amps with 3 positions (I-O-II) with centre off position as per specification No. SW-SWR/MCBCOS	3,055.00	Each
Chapter 5-4 LT - MCBDBs (SW-MCBDB)			
13968	Chapter 5-4-1 Supplying & erecting triple pole and neutral distribution board 9 (TPNDB) surface/ flush mounted, suitable for SPMCB of 12 ways, on iron / G.I. frame/wooden board.(Horizontal type) as per specification No. SW-SWR/MCBDB	1,811.00	Each
13969	Chapter 5-4-2 Supplying & erecting triple pole and neutral distribution board 0 (TPNDB) surface/ flush mounted suitable for SPMCB of 24 ways, on iron / G.I. frame/wooden board.(Horizontal type) as per specification No. SW-SWR/MCBDB	2,364.00	Each
13969	Chapter 5-4-3 Supplying & erecting triple pole and neutral distribution board 1 (TPNDB) surface/ flush mounted suitable for SPMCB of 36 ways, on iron / G.I. frame/wooden board.(Horizontal type) as per specification No. SW-SWR/MCBDB	3,032.00	Each
13969	Chapter 5-4-4 Supplying & erecting triple pole and neutral distribution board 2 (TPNDB) surface/ flush mounted SP /TP MCBs of total 12 ways, on iron / G.I. frame/wooden board.(Vertical Busbar type) as per specification No. SW-SWR/MCBDB	3,828.00	Each
13969	Chapter 5-4-5 Supplying & erecting triple pole and neutral distribution board 3 (TPNDB) surface/ flush mounted SP / TP of total 24 ways on iron / G.I. frame/wooden board. (Vertical Busbar type) as per specification No. SW-SWR/MCBDB	4,660.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
13969 Chapter 5-4-6 4	Supplying & erecting triple pole and neutral distribution board (TPNDB) surface/ flush mounted SP / TP MCB of total 36 ways on iron / G.I. frame/wooden board (Vertical Busbar type) as per specification No. SW-SWR/MCBDB	6,222.00	Each
13969 Chapter 5-4-7 5	Supplying & erecting triple pole and neutral distribution board (TPNDB) with door surface/ flush mounted SPMCB of 12 ways, on iron / G.I. frame/wooden board.(Horizontal type) as per specification No. SW-SWR/MCBDB	2,221.00	Each
13969 Chapter 5-4-8 6	Supplying & erecting triple pole and neutral distribution board (TPNDB) with door surface/ flush mounted SPMCB of 24 ways, on iron/ G.I. frame/wooden board.(Horizontal type) as per specification No. SW-SWR/MCBDB	3,206.00	Each
13969 Chapter 5-4-9 7	Supplying & erecting triple pole and neutral distribution board (TPNDB) with door surface/ flush mounted SPMCB of 12 ways/phase (36 Poles) on iron/ G.I. frame/wooden board. (Horizontal Busbar type) as per specification no. SW-SWR/MCBDB	4,388.00	Each
13969 Chapter 5-4-10 8	Supplying & erecting triple pole and neutral distribution board (TPNDB) with door surface/ flush mounted SP / TP MCBs total 12 ways, on iron/ G.I. frame/wooden board.(Vertical Busbar type) as per specification No. SW-SWR/MCBDB	4,732.00	Each
13969 Chapter 5-4-11 9	Supplying & erecting triple pole and neutral distribution board (TPNDB) with door surface/ flush mounted SP / TP MCBs 24 Poles on iron/ G.I. frame/wooden board. (Vertical Busbar type) as per specification No. SW-SWR/MCBDB	5,674.00	Each
13970 Chapter 5-4-12 0	Supplying & erecting triple pole and neutral distribution board (TPNDB) with door surface/ flush mounted SP / TP MCBs of total 36 ways on iron/ G.I. frame/wooden board. (Vertical Busbar type) as per specification No. SW-SWR/MCBDB	7,307.00	Each
13970 Chapter 5-4-13 1	Supplying, erecting and marking enclosure Single pole and neutral distribution board (SPNDB) one way for SPMCB 1 No on iron/ G.I. frame/wooden board as per specification No. SW-SWR/MCBDB	242.00	Each
13970 Chapter 5-4-14 2	Supplying and erecting single pole and neutral distribution board (SPNDB) surface/flush mounted with 2 ways for incoming and 2 ways for outgoing SPMCBs on iron/ G.I. frame/wooden board, as per specification no. SW-SWR/MCBDB	717.00	Each
13970 Chapter 5-4-15 3	Supplying and erecting single pole and neutral distribution board (SPNDB) surface/flush mounted with 2 ways for incoming and 6 ways for outgoing SP MCB's on iron/ G.I. frame/wooden board as per specification No. SW-SWR/MCBDB	803.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
13970 Chapter 5-4-16 4	Supplying and erecting single pole and neutral distribution board (SPNDB) surface/flush mounted with 2 ways for incoming and 10 ways for outgoing SP MCB's on iron/ G.I. frame/wooden board as per specification No. SW-SWR/MCBDB	1,003.00	Each
13970 Chapter 5-4-17 5	Supplying and erecting single pole and neutral distribution board (SPNDB) with door surface/flush mounted with 2 ways for incoming and 2 ways for outgoing SP MCB's on iron/ G.I. frame/wooden board as per specification No. SW-SWR/MCBDB	966.00	Each
13970 Chapter 5-4-18 6	Supplying and erecting single pole and neutral distribution board (SPNDB) with door surface/flush mounted with 2 ways for incoming and 6 ways for outgoing SP MCB's on iron/ G.I. frame/wooden board as per specification No. SW-SWR/MCBDB	1,139.00	Each
13970 Chapter 5-4-19 7	Supplying and erecting single pole and neutral distribution board (SPNDB) with door surface/flush mounted with 2 ways for incoming and 10 ways for outgoing SP MCB's on iron/ G.I. frame/wooden board as per specification No. SW-SWR/MCBDB	1,393.00	Each
13970 Chapter 5-4-20 8	Supplying & erecting original 1.25 mm CRCA sheet metal enclosures with 20A. 2 pin plug & earth socket and 20A. 3 pin plug top with 20A/30A single pole MCB complete erected on angle iron/ G.I. frame.	762.00	Each
13970 Chapter 5-4-21 9	Supplying & erecting original 1.25 mm CRCA sheet metal enclosures with 30 A, 3 pin plug & earth socket and 30 A 3 pin plug top with 30 A. triple pole MCB complete erected on angle iron/ G.I. frame.	1,699.00	Each
13971 Chapter 5-4-22 0	Supplying & erecting original 1.25 mm CRCA sheet metal enclosures with 10A. 2 pin plug and earth socket and 10A, 3 pin plug top with 10A single pole miniature circuit breakers complete erected on angle iron/ G.I. frame.	781.00	Each
13971 Chapter 5-4-23 1	Supplying & erecting CRCA sheet metal one way enclosures suitable for D.P.M.C.B. /T.P. M.C.B. /F.P M.C.B. complete erected on angle iron/ G.I. frame.	369.00	Each
13971 Chapter 5-4-24 2	Supplying and erecting blanking plate of suitable size on MCB DB	12.00	Each
13971 Chapter 5-4-25 3	Supplying & erecting triple pole and neutral distribution board (TPNDB) with door surface/ flush mounted suitable for 3 Pole MCCB as Incommer & outgoing SP MCB (12 Poles) or TP MCB of 4 ways (12 Poles) on iron/ G.I. frame. (Vertical Busbar type) as per specification no. SW-SWR/MCBDB1	5,558.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
13971 4	Chapter 5-4-26 Supplying & erecting triple pole and neutral distribution board (TPNDB) with door surface/ flush mounted suitable for 3 Pole MCCB as Incommer & outgoing SP MCB (24 Poles) or TP MCB of 8 ways (24 Poles) , on iron/ G.I. frame. (Vertical Busbar type) as per specification No. SW-SWR/MCBDB1	6,598.00	Each
13971 5	Chapter 5-4-27 Supplying & erecting triple pole and neutral distribution board (TPNDB) with door surface/ flush mounted suitable for 3 Pole MCCB as Incommer & outgoing SP MCB (36 Poles) or TP MCB of 12 ways (36 Poles) on iron/ G.I. frame. (Vertical Busbar type) as per specification No. SW-SWR/MCBDB1	7,925.00	Each
Chapter 5-5 LT - MCCBs (SW-MCCB)			
13971 6	Chapter 5-5-1 Providing & erecting 3 Pole MCCB upto 100A, 415V capacity with S.C. rating 25 kA (Ics=100% of Icu), thermal setting with provided leads on iron /G.I. frame as per specification No. SW-SWR/MCCB	4,119.00	Each
13971 7	Chapter 5-5-2 Providing & erecting 3 Pole MCCB of 200A,415V capacity with S.C. rating 25 kA (Ics=100% of Icu) thermal and magnetic setting with provided leads on iron /G.I. frame as per specification no. SW-SWR/MCCB	8,211.00	Each
13971 8	Chapter 5-5-3 Providing & erecting 3 Pole MCCB of 250A,415V capacity with S.C. rating 36 kA (Ics=100% of Icu),thermal and magnetic setting with provided leads on iron /G.I.frame as per specification No. SW-SWR/MCCB	11,180.00	Each
13971 9	Chapter 5-5-4 Providing & erecting 3 Pole MCCB of 315/400A, 415V capacity with S.C. rating 36 kA (Ics=100% of Icu), thermal and magnetic setting with provided leads on iron/G.I. frame as per specification No. SW-SWR/MCCB	14,814.00	Each
13972 0	Chapter 5-5-5 Providing & erecting 3 Pole MCCB of 600/630 A, 415V capacity with S.C. rating 36 kA (Ics=100% of Icu), thermal and magnetic setting with provided leads on iron/G.I. frame as per specification No. SW-SWR/MCCB	21,807.00	Each
13972 1	Chapter 5-5-6 Providing & erecting 3 Pole MCCB of 800A, 415V capacity with S.C. rating 50 kA , thermal and magnetic setting with provided leads on iron/G.I. frame as per specification No. SW-SWR/MCCB	28,791.00	Each
Chapter 5-6 RCCB / RCBO(SW-RCCB)			
13972 2	Chapter 5-6-1 Providing, erecting & commissioning RCCB only of electro magnetic type with 30/100/300 mA sensitivity and having capacity of 16/ 25A. 2 pole complete as per specification No. SW-RCCB/RCCB	1,775.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
13972 Chapter 5-6-2 3	Providing, erecting & commissioning RCCB only of electro magnetic type with 30/100/300 mA sensitivity and having capacity of 40A 2 pole complete as per specification No. SW-RCCB/RCCB	1,876.00	Each
13972 Chapter 5-6-3 4	Providing, erecting & commissioning RCCB only of electro magnetic type with 30/100/300 mA sensitivity and having capacity of 63A 2 pole complete as per specification No. SW-RCCB/RCCB	2,447.00	Each
13972 Chapter 5-6-4 5	Providing, erecting & commissioning RCCB only of electro magnetic typewith 30/100/300 mA sensitivity and having capacity of 16/25A 4 pole complete as per specification No. SW-RCCB/RCCB	2,341.00	Each
13972 Chapter 5-6-5 6	Providing, erecting & commissioning RCCB only of electro magnetic type with 30/100/300 mA sensitivity and having capacity of 40A. 4 pole complete as per specification No. SW-RCCB/RCCB	2,372.00	Each
13972 Chapter 5-6-6 7	Providing, erecting & commissioning RCCB of electro magnetic type with 30/100/300 mA sensitivity and having capacity of 63A. 4 pole complete as per specification No. SW-RCCB/RCCB	2,653.00	Each
13972 Chapter 5-6-7 8	Providing, erecting & commissioning RCCB of electro magnetic type with 30/100/300 mA sensitivity and having capacity of 80A. 4 pole complete as per specification No. SW-RCCB/RCCB	4,243.00	Each
13972 Chapter 5-6-8 9	Providing, erecting & commissioning approved make RCCB of electro magnetic type with 30/100/300 mA sensitivity and having capacity of 100A, 4 pole complete as per specification No. SW-RCCB/RCCB	4,207.00	Each
13973 Chapter 5-6-9 0	Supplying & fixing CRCA sheet Box with earthing terminals for housing 2 Pole RCCB complete on iron frame/laminated board.	184.00	Each
13973 Chapter 5-6-10 1	Supplying & fixing CRCA sheet Box with earthing terminals for housing 4 Pole RCCB complete on iron frame/laminated board.	232.00	Each
13973 Chapter 5-6-11 2	Supplying, fixing and commissioning RCBO (Residual Current Breaker with Overcurrent Protection), type AC with 30/100/300 mA sensitivity and having capacity of 6/10/16/20/25A, 2 Pole, 1 Phase as per specification SW-RCCB/RCBO	2,799.00	Each
13973 Chapter 5-6-12 3	Supplying, fixing and commissioning RCBO (Residual Current Breaker with Overcurrent Protection), type AC with 30/100/300 mA sensitivity and having capacity of 32A/40A 2 Pole 1 phase as per specification SW-RCCB/RCBO	2,961.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
13973 Chapter 5-6-13 4	Supplying, fixing and commissioning RCBO (Residual Current Breaker with Overcurrent Protection), type AC with 30/100/300 mA sensitivity and having capacity of 63A, 2 Pole 1 Phase as per specification SW-RCCB/RCBO	4,069.00	Each
13973 Chapter 5-6-14 5	Supplying, fixing and commissioning RCBO (Residual Current Breaker with Overcurrent Protection), type AC with 30/100/300 mA sensitivity and having capacity of 6A/10A/16A/20A/25/A 4 Pole 3 phase as per specification SW-RCCB/RCBO	3,714.00	Each
13973 Chapter 5-6-15 6	Supplying, fixing and commissioning RCBO (Residual Current Breaker with Overcurrent Protection), type AC with 30/100/300 mA sensitivity and having capacity of 32A/40A 4 Pole 3 phase as per specification SW-RCCB/RCBO	3,844.00	Each
13973 Chapter 5-6-16 7	Supplying, fixing and commissioning RCBO (Residual Current Breaker with Overcurrent Protection), type AC with 30/100/300 mA sensitivity and having capacity of 63A 4 Pole 3 phase as per specification SW-RCCB/RCBO	4,510.00	Each
Chapter 5-7 MCCB Panel Boards and Accessories (SW- SWR-MCCBPB)			
13973 Chapter 5-7-1 8	Providing & erecting Floor / Wall mounting, MCCB Panel board suitable for Four Pole Incoming 250A, 2 ways Four pole outgoing on provided iron frame, as per Specification No SW-SWR/MCCBPB. (Excluding MCCB'S)	32,451.00	Each
13973 Chapter 5-7-2 9	Providing & erecting Floor / Wall mounting, MCCB Panel board suitable for Four Pole Incoming 250A, 4 ways Four pole outgoing on provided iron frame, as per Specification No SW-SWR/MCCBPB. (Excluding MCCB'S)	38,320.00	Each
13974 Chapter 5-7-3 0	Providing & erecting Floor / Wall mounting, MCCB Panel board suitable for Four Pole Incoming 250A, 6 ways Four pole outgoing on provided iron frame, as per Specification No SW-SWR/MCCBPB. (Excluding MCCB'S)	43,772.00	Each
13974 Chapter 5-7-4 1	Providing & erecting Floor / Wall mounting, MCCB Panel board suitable for Four Pole Incoming 250A, 8 ways Four pole outgoing on provided iron frame, as per Specification No SW-SWR/MCCBPB. (Excluding MCCB'S)	48,357.00	Each
13974 Chapter 5-7-5 2	Providing & erecting Floor / Wall mounting, MCCB Panel board suitable for Four Pole Incoming 250A, 12 ways Four pole outgoing erected on provided iron frame, as per Specification No SW-SWR/MCCBPB. (Excluding MCCB'S)	59,358.00	Each
13974 Chapter 5-7-6 3	Providing & erecting Floor / Wall mounting, MCCB Panel board suitable for Four Pole Incoming 400A, 2 ways Four pole outgoing	39,666.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	on provided iron frame, as per Specification No SW-SWR/MCCBPB. (Excluding MCCB'S)		
13974 Chapter 5-7-7 4	Providing & erecting Floor / Wall mounting, MCCB Panel board suitable for Four Pole Incoming 400A, 4 ways Four pole outgoing on provided iron frame, as per Specification No SW-SWR/MCCBPB. (Excluding MCCB'S)	44,228.00	Each
13974 Chapter 5-7-8 5	Providing & erecting Floor / Wall mounting, MCCB Panel board suitable for Four Pole Incoming 400 A, 6 ways Four pole outgoing on provided iron frame, as per Specification No SW-SWR/MCCBPB. (Excluding MCCB'S)	51,085.00	Each
13974 Chapter 5-7-9 6	Providing & erecting Floor / Wall mounting, MCCB Panel board suitable for Four Pole Incoming 400A, 8 ways Four pole outgoing on provided iron frame, as per Specification No SW-SWR/MCCBPB. (Excluding MCCB'S)	54,556.00	Each
13974 Chapter 5-7-10 7	Providing & erecting Floor / Wall mounting, MCCB Panel board suitable for Four Pole Incoming 400A, 12 ways Four pole outgoing on provided iron frame, as per Specification No SW-SWR/MCCBPB. (Excluding MCCB'S)	72,998.00	Each
13974 Chapter 5-7-11 8	Providing & erecting Incoming and Outgoing Cable Alleys suitable for MCCB panel board of 250A incoming and 2 way outgoing made from CRCA sheet 1.6 mm thick duly powder coated and having vertical insulated partition for shielding between the shared face of cableway and basic DB.	13,070.00	SET
13974 Chapter 5-7-12 9	Providing & erecting Incoming and Outgoing Cable Alleys suitable for MCCB panel board of 250A incoming and 4 way outgoing or 400A incoming and 2 way outgoing made from CRCA sheet 1.6 mm thick duly powder coated and having vertical insulated partition for shielding between the shared face of cableway and basic DB.	13,390.00	SET
13975 Chapter 5-7-13 0	Providing & erecting Incoming and Outgoing Cable Alleys suitable for MCCB panel board of 250A incoming and 6 way outgoing or 400A incoming and 4 way outgoing made from CRCA sheet 1.6 mm thick duly powder coated and having vertical insulated partition for shielding between the shared face of cableway and basic DB.	15,689.00	SET
13975 Chapter 5-7-14 1	Providing & erecting Incoming and Outgoing Cable Alleys suitable for MCCB panel board of 250A incoming and 8 way outgoing or 400A incoming and 6 way outgoing made from CRCA sheet 1.6 mm thick duly powder coated and having vertical insulated partition for shielding between the shared face of cableway and basic DB.	16,988.00	SET

		Rate In (Rs)	
Item Description		Rate	Unit
13975 2	Chapter 5-7-15 Providing & erecting Incoming and Outgoing Cable Alleys suitable for MCCB panel board of 250A incoming and 12 way outgoing or 400A incoming and 6/8 way outgoing made from CRCA sheet 1.6 mm thick duly powder coated and having vertical insulated partition for shielding between the shared face of cableway and basic DB.	20,156.00	SET
13975 3	Chapter 5-7-16 Providing & erecting Incoming and Outgoing Cable Alleys suitable for MCCB panel board of 400A incoming and 12 way outgoing made from CRCA sheet 1.6 mm thick duly powder coated and having vertical insulated partition for shielding between the shared face of cableway and basic DB.	23,518.00	SET
13975 4	Chapter 5-7-17 Providing & erecting Prewired meter module suitable for MCCB panel board with CT's and emf's vif meter.	12,142.00	SET
	Chapter 5-8 LT - Air Circuit Breakers (SW-ACB)		
13975 5	Chapter 5-8-1 Supplying and erecting Air circuit breaker manually operated non-drawout type of 630A, 500V, 3 pole having S.C. rating 50 kA (Ics=Icu=Icw for 1s),with standard accessories on provided iron frame as per specification No. SW-SWR/ACB	64,145.00	Each
13975 6	Chapter 5-8-2 Supplying and erecting Air circuit breaker manually operated non-drawout type of 800A, 500V, 3 pole with having S.C. rating 50 kA (Ics=Icu=Icw for 1s), standard accessories on provided iron frame as per specification No. SW-SWR/ACB	66,651.00	Each
13975 7	Chapter 5-8-3 Supplying and erecting Air circuit breaker manually operated non-drawout type of 1000A, 500V, 3 pole having S.C. rating 50 kA (Ics=Icu=Icw for 1s), with standard accessories on provided iron frame as per specification No. SW-SWR/ACB	70,612.00	Each
13975 8	Chapter 5-8-4 Supplying and erecting Air circuit breaker manually operated non-drawout type of 1600A, 500V, 3 pole having S.C. rating 50 kA (Ics=Icu=Icw for 1s), with standard accessories on provided iron frame as per specification No. SW-SWR/ACB	99,916.00	Each
13975 9	Chapter 5-8-5 Supplying and erecting Air circuit breaker manually operated drawout type of 800A, 500V, 3 pole having S.C. rating 50 kA (Ics=Icu=Icw for 1s), with standard accessories on provided iron frame as per specification No. SW-SWR/ACB	1,10,711.00	Each
13976 0	Chapter 5-8-6 Supplying and erecting Air circuit breaker manually operated drawout type of 1000A, 500V, 3 pole having S.C. rating 50 kA (Ics=Icu=Icw for 1s), with standard accessories on provided iron frame as per specification No. SW-SWR/ACB	1,16,831.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
13976 Chapter 5-8-7 1	Supplying and erecting Air circuit breaker manually operated drawout type of 1600A, 500V, 3 pole having S.C. rating 50 kA (Ics=Icu=Icw for 1s),with standard accessories on provided iron frame as per specification No. SW-SWR/ACB	1,55,204.00	Each
13976 Chapter 5-8-8 2	Supplying and erecting Air circuit breaker manually operated drawout type of 1250 A, 500V, 3 pole having S.C. rating 50 kA (Ics=Icu=Icw for 1s), with standard accessories on provided iron frame as per specification No. SW-SWR/ACB	1,28,481.00	Each
13976 Chapter 5-8-9 3	Supplying and erecting Air circuit breaker manually operated Non drawout type of 1250A, 500V, 3 pole having S.C. rating 50 kA (Ics=Icu=Icw for 1s), with standard accessories on provided iron frame as per specification No. SW-SWR/ACB	1,04,911.00	Each
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	Chapter 5-9 HT SF6 Load Break Switch /VCB/RMU (SW-HTS)		
13976 Chapter 5-9-1 4	Supplying and erecting approved make extendable / non-extendable Indoor type 11 kV, 630A, load break switch with fuses of required rating, on provided MS channels / trench / foundation in an approved manner as per specification no SW-HTS / LBS	1,28,782.00	Each
13976 Chapter 5-9-2 5	Supplying and erecting approved make extendable / non-extendable Indoor type 22 kV, 630A, load break switch with fuses of required rating, on provided MS channels / trench / foundation in an approved manner as per specification no SW-HTS / LBS	2,44,981.00	Each
13976 Chapter 5-9-3 6	Supplying and erecting approved make extendable / non-extendable Outdoor type 11 kV 630A, Load break Isolator switch on provided MS channels / trench / foundation in an approved manner as per specification no SW-HTS / LBS	1,34,253.00	Each
13976 Chapter 5-9-4 7	Supplying and erecting approved make extendable / non-extendable Outdoor type 22 kV 630A, load break Isolator switch on provided MS channels / trench / foundation in an approved manner as per specification no SW-HTS / LBS	2,49,283.00	Each
13976 Chapter 5-9-5 8	Supplying and erecting approved make 11 kV 400A, Oil Switch-Fuse unit extendable/non-extendable on provided MS channels / trench / foundation in an approved manner as per specification no SW-HTS / LBS	1,45,154.00	Each
13976 Chapter 5-9-6 9	Supplying & erecting 11 kV 630A, Indoor type Ring Main unit with 1or 2 Incoming & 2 or 1 Outgoing with HRC fuses complete erected on provided cc foundation/MS channels/trench, etc, in an approved manner as per specification no SW-HTS / RMU	3,22,857.00	Each

			Rate In (Rs)	
	Item Description	Rate	Unit	
13977 Chapter 5-9-7 0	Supplying & erecting 22 kV 630A, Indoor type Ring Main unit with 1or 2 Incoming & 2 or 1 Outgoing with HRC fuses complete erected on provided c c foundation/MS channels/trench, etc, in an approved manner as per specification no SW-HTS / RMU	5,51,733.00	Each	
13977 Chapter 5-9-8 1	Supplying and erecting approved make 11kV, 630A, Vacuum Circuit breaker of required rating, on provided MS channels / trench / foundation in an approved manner as per specification no SW-HTS / VCB	5,08,879.00	Each	
13977 Chapter 5-9-9 2	Supplying and erecting approved make 22 kV, 630 A, Vacuum Circuit breaker of required rating, on provided MS channels / trench / foundation in an approved manner as per specification no SW-HTS / VCB	10,16,939.	Each	
13977 Chapter 5-9-10 3	Supplying and erecting 11kV HRC Fuse 10A to 40 A for load break switch to be fitted with necessary nut bolts and commissioning complete.	3,864.00	Each	
13977 Chapter 5-9-11 4	Supplying and erecting 11 kV HRC Fuse 63A for load break switch to be fitted with necessary nut bolts and commissioning complete.	4,735.00	Each	
13977 Chapter 5-9-12 5	Supplying and erecting 22 kV HRC Fuse 10A to 40A for load break switch to be fitted with necessary nut bolts and commissioning complete.	8,127.00	Each	
13977 Chapter 5-9-13 6	Supplying and erecting 22 kV HRC Fuse 63A for load break switch to be fitted with necessary nut bolts and commissioning complete.	9,233.00	Each	
13977 Chapter 5-9-14 7	Supplying , erecting, testing & commissioning 11kV, 630A, 21kA/3sec, 1Way Outdoor, Extensible motorised SCADA compatible RMU as per Electric Supply Co. specification consisting of 1No. feeder with VCB. <1VCB> as per specifiataion no. SW-HTS / RMU SCADA	2,59,405.00	Each	
13977 Chapter 5-9-15 8	Supplying , erecting, testing & commissioning 11kV, 630A, 21kA/3sec, 1Way Outdoor, Extensible motorised SCADA compatible RMU as per Electric Supply Co. specification consisting of 1No. feeder with 1LBS. <1LBS> as per specifiataion no. SW-HTS / RMU SCADA	1,79,214.00	Each	
13977 Chapter 5-9-16 9	Supplying , erecting, testing & commissioning 11kV, 630A, 21kA/3sec, 2Way Outdoor, Extensible motorised SCADA compatible RMU as per Electric Supply Co. specification consisting of 1No. feeder with Load Break Switch and 1No. feeder with VCB. <1LBS +1VCB+M> as per specifiataion no. SW-HTS / RMU SCADA	3,88,994.00	Each	
13978 Chapter 5-9-17 0	Supplying , erecting, testing & commissioning 11kV, 630A, 21kA/3sec, 3Way Outdoor, Extensible motorised SCADA compatible	4,73,836.00	Each	

		Rate In (Rs)	
	Item Description	Rate	Unit
	RMU as per Electric Supply Co. specification consisting of 2Nos. feeder with Load Break Switch and 1No. feeder with VCB. <2LBS +1VCB+M> as per specifaation no. SW-HTS / RMU SCADA		
13978 Chapter 5-9-18	1 Supplying , erecting, testing & commissioning 11kV, 630A, 21kA/3sec, 4Way Outdoor, Extensible motorised SCADA compatible RMU as per Electric Supply Co. specification consisting of 2Nos. feeder with Load Break Switch and 2Nos. feeder with VCB. <2LBS +2VCB+M> as per specifaation no. SW-HTS / RMU SCADA	6,52,822.00	Each
13978 Chapter 5-9-19	2 Supplying , erecting, testing & commissioning 11kV, 630A, 21kA/3sec, 5Way Outdoor, Extensible motorised SCADA compatible RMU as per Electric Supply Co. specification consisting of 2Nos. feeder with Load Break Switch and 3Nos. feeder with VCB. <2LBS +3VCB+M> as per specifaation no. SW-HTS / RMU SCADA	8,42,426.00	Each
13978 Chapter 5-9-20	3 Supplying , erecting, testing & commissioning 11kV, 630A, 21kA/3sec, 6Way Outdoor, Extensible motorised SCADA compatible RMU as per Electric Supply Co. specification consisting of 2Nos. feeder with Load Break Switch and 4Nos. feeder with VCB. <2LBS +4VCB+M> as per specifaation no. SW-HTS / RMU SCADA	10,82,277.	Each
13978 Chapter 5-9-21	4 Supplying , erecting, testing & commissioning 11kV, 630A, 21kA/3sec, 3Way Outdoor, Extensible motorised SCADA compatible RMU as per Electric Supply Co. specification consisting of 1No. feeder with Load Break Switch and 2Nos. feeder with VCB. <1LBS +2VCB+M> as per specifaation no. SW-HTS / RMU SCADA	5,69,263.00	Each
13978 Chapter 5-9-22	5 Supplying , erecting, testing & commissioning 22kV, 630A, 16kA/3sec, 1Way Outdoor, Extensible motorised SCADA compatible RMU as per Electric Supply Co. specification consisting of 1No. feeder with VCB. <1VCB> as per specifaation no. SW-HTS / RMU SCADA	2,96,614.00	Each
13978 Chapter 5-9-23	6 Supplying , erecting, testing & commissioning 22kV, 630A, 16kA/3sec, 1Way Outdoor, Extensible motorised SCADA compatible RMU as per Electric Supply Co. specification consisting of 1No. feeder with 1LBS. <1LBS> as per specifaation no. SW-HTS / RMU SCADA	2,08,564.00	Each
13978 Chapter 5-9-24	7 Supplying , erecting, testing & commissioning 22kV, 630A, 16kA/3sec, 2Way Outdoor, Extensible motorised SCADA compatible RMU as per Electric Supply Co. specification consisting of 1No. feeder with Load Break Switch and 1No. feeder with VCB. <1LBS +1VCB+M> as per specifaation no. SW-HTS / RMU SCADA	4,81,053.00	Each
13978 Chapter 5-9-25	8 Supplying , erecting, testing & commissioning 22kV, 630A, 16kA/3sec, 3Way Outdoor, Extensible motorised SCADA compatible	5,92,839.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	RMU as per Electric Supply Co specification consisting of 2Nos. feeder with Load Break Switch and 1No. feeder with VCB. <2LBS +1VCB+M> as per specifaation no. SW-HTS / RMU SCADA		
13978	Chapter 5-9-26 Supplying , erecting, testing & commissioning 22kV, 630A, 16kA/3sec, 4Way Outdoor, Extensible motorised SCADA compatible RMU as per Electric Supply Co specification consisting of 2Nos. feeder with Load Break Switch and 2Nos. feeder with VCB. <2LBS +2VCB+M> as per specifaation no. SW-HTS / RMU SCADA	8,18,818.00	Each
13979	Chapter 5-9-27 Supplying , erecting, testing & commissioning 22kV, 630A, 16kA/3sec, 5Way Outdoor, Extensible motorised SCADA compatible RMU as per Electric Supply Co specification consisting of 2Nos. feeder with Load Break Switch and 3Nos. feeder with VCB. <2LBS +3VCB+M> as per specifaation no. SW-HTS / RMU SCADA	10,56,215.	Each
13979	Chapter 5-9-28 Supplying , erecting, testing & commissioning 22kV, 630A, 16kA/3sec, 6Way Outdoor, Extensible motorised SCADA compatible RMU as per Electric Supply Co specification consisting of 2Nos. feeder with Load Break Switch and 4Nos. feeder with VCB. <2LBS +4VCB+M> as per specifaation no. SW-HTS / RMU SCADA	13,61,502.	Each
13979	Chapter 5-9-29 Supplying , erecting, testing & commissioning 22kV, 630A, 16kA/3sec, 3Way Outdoor, Extensible motorised SCADA compatible RMU as per Electric Supply Co specification consisting of 1No. feeder with Load Break Switch and 2Nos. feeder with VCB. <1LBS +2VCB+M> as per specifaation no. SW-HTS / RMU SCADA	7,09,116.00	Each
	Chapter 5-10 Accessories (SW-AS)		
13979	Chapter 5-10-1 Supplying and erecting porcelain base iron clad cut out of H.C. type 415V 16A approved make erected on polished wooden block.	138.00	Each
13979	Chapter 5-10-2 Supplying and erecting Iron clad cut out H.C. type 415V 32A approved make erected on polished wooden block.	202.00	Each
13979	Chapter 5-10-3 Supplying and erecting Iron clad cut out H.C. type 415V 63A approved make erected on polished wooden block.	384.00	Each
13979	Chapter 5-10-4 Supplying and erecting Iron clad cut out H.C. type 415V 100A approved make erected on polished wooden block.	652.00	Each
13979	Chapter 5-10-5 Supplying and erecting Iron clad cut out H.C. type 415V 200A approved make erected on polished wooden block.	1,210.00	Each
13979	Chapter 5-10-6 Supplying and erecting H.C. pattern porcelain fuse bridges with base & HC type fuse links 240V 16A approved make erected on	92.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	polished wooden block.		
13979	Chapter 5-10-7 9 Supplying and erecting H.C. pattern porcelain fuse bridges with base & HC type fuse links 240V 32A approved make erected on polished wooden block.	154.00	Each
13980	Chapter 5-10-8 0 Supplying & erecting fuse bridge with base 16A erected on provided switch board in approved manner.	103.00	Each
13980	Chapter 5-10-9 1 Supplying & erecting fuse bridges with base H.C. type fuse links 240V 63A erected on polished wooden block.	156.00	Each
13980	Chapter 5-10-10 2 Supplying & erecting fuse bridges with base H.C. type fuse links 415V 100A erected on polished wooden block.	650.00	Each
13980	Chapter 5-10-11 3 Supplying & erecting fuse bridges with base H.C. type fuse links 415V 200A erected on polished wooden block.	915.00	Each
13980	Chapter 5-10-12 4 Supplying & erecting fuse bridges with base H.C. type fuse links 415V 300A erected on polished wooden block.	1,113.00	Each
13980	Chapter 5-10-13 5 Supplying and erecting bakelite fuse fitting suitable for HRC bolted type fuse up to 32A without fuse.	75.00	Each
13980	Chapter 5-10-14 6 Supplying and erecting bakelite fuse fitting suitable for HRC bolted type fuse up to 63A without fuse.	113.00	Each
13980	Chapter 5-10-15 7 Supplying and erecting bakelite fuse fitting suitable for HRC bolted type fuse up to 100A without fuse.	229.00	Each
13980	Chapter 5-10-16 8 Supplying & erecting ISI marked HRC fuse cartridge 415V 32A	87.00	Each
13980	Chapter 5-10-17 9 Supplying & erecting ISI marked HRC fuse cartridge 415V 63 A	103.00	Each
13981	Chapter 5-10-18 0 Supplying & erecting ISI marked HRC fuse cartridge 415V 100A	189.00	Each
13981	Chapter 5-10-19 1 Supplying & erecting ISI marked HRC fuse cartridge 415V 200A	249.00	Each
13981	Chapter 5-10-20 2 Supplying & erecting ISI marked HRC fuse cartridge 415V 300A	362.00	Each
13981	Chapter 5-10-21 3 Supplying & erecting ISI marked HRC fuse cartridge 415V 400A	588.00	Each
13981	Chapter 5-10-22 4 Supplying & erecting approved make 415V 16A porcelain base neutral link complete erected in provided M.S. box.	63.00	Each
13981	Chapter 5-10-23 5 Supplying & erecting approved make 415V 32A porcelain base neutral link complete erected in provided M.S. box.	68.00	Each

			Rate In (Rs)		
Item Description			Rate	Unit	
13981	Chapter 6	5-10-24	Supplying & erecting approved make 415V 63A porcelain base neutral link complete erected in provided M.S. box.	103.00	Each
13981	Chapter 7	5-10-25	Supplying & erecting approved make 415V 100A porcelain base neutral link complete erected in provided M.S. box.	179.00	Each
13981	Chapter 8	5-10-26	Supplying & erecting approved make porcelain/epoxy bus bar support complete erected in provided M.S. box for 100A	55.00	Each
13981	Chapter 9	5-10-27	Supplying & erecting approved make porcelain/epoxy bus bar support complete erected in provided M.S. box for 200/300A	77.00	Each
13982	Chapter 0	5-10-28	Supplying & erecting approved make porcelain/epoxy bus bar support complete erected in provided M.S. box for 400A	95.00	Each
13982	Chapter 1	5-10-29	Supplying & erecting approved make 415V 200A porcelain base neutral link complete erected in provided M.S. box.	325.00	Each
Chapter 5-11 Accessories for MCCBs					
13982	Chapter 2	5-11-1	Supplying and erecting terminal spreaders for use on MCCB incoming and outgoing terminals for 3 pole upto 100A MCCB.	155.00	SET
13982	Chapter 3	5-11-2	Supplying and erecting terminal spreaders for use on MCCB incoming and outgoing terminals for 3 pole upto 250A MCCB.	728.00	SET
13982	Chapter 4	5-11-3	Supplying and erecting terminal spreaders for use on MCCB incoming and outgoing terminals for 3 pole 300A- 400A MCCB.	1,409.00	SET
13982	Chapter 5	5-11-4	Supplying and erecting terminal spreaders for use on MCCB incoming and outgoing terminals for 3 pole 630A MCCB.	1,585.00	SET
13982	Chapter 6	5-11-5	Supplying and erecting terminal spreaders for use on MCCB incoming and outgoing terminals for 3 pole upto 800A MCCB.	2,988.00	SET
13982	Chapter 7	5-11-6	Supplying and erecting terminal spreaders for use on MCCB incoming and outgoing terminals for 4 pole upto 100A MCCB.	250.00	SET
13982	Chapter 8	5-11-7	Supplying and erecting terminal spreaders for use on MCCB incoming and outgoing terminals for 4 pole above 100A upto 250A MCCB.	946.00	SET
13982	Chapter 9	5-11-8	Supplying and erecting terminal spreaders for use on MCCB incoming and outgoing terminals for 4 pole above 250A upto 400A MCCB.	2,020.00	SET
13983	Chapter 0	5-11-9	Supplying and erecting terminal spreaders for use on MCCB incoming and outgoing terminals for 4 pole above 400A upto 630A MCCB.	2,364.00	SET
13983	Chapter 1	5-11-10	Supplying and erecting terminal spreaders for use on MCCB incoming and outgoing terminals for 4 pole above 630A upto 800A	4,140.00	SET

		Rate In (Rs)	
Item Description		Rate	Unit
	MCCB.		
13983 Chapter 2 5-11-11	Supplying and erecting earth fault module for MCCB with adjustable earth fault sensitivity selection 10% to 50% of nominal current (In) and adjustable time delay 100/200 millisecond suitable for upto 200A MCCB with inbuilt CT's.	4,446.00	Each
13983 Chapter 3 5-11-12	Supplying and erecting earth fault module for MCCB with adjustable earth fault sensitivity selection 10% to 50% of nominal current (In) and adjustable time delay 100/200 millisecond suitable for above 200A upto 400A MCCB with inbuilt CT's.	5,757.00	Each
13983 Chapter 4 5-11-13	Supplying and erecting earth fault module for MCCB with adjustable earth fault sensitivity selection 10% to 50% of nominal current (In) and adjustable time delay 100/200 millisecond suitable for above 400A upto 800A MCCB excluding CT's.	4,283.00	Each
13983 Chapter 5 5-11-14	Supplying and erecting extended rotary handle for MCCB with adjustable telescopic rod suitable for upto 250A MCCB.	1,013.00	Each
13983 Chapter 6 5-11-15	Supplying and erecting extended rotary handle for MCCB with adjustable telescopic rod suitable for above 250A upto 630A MCCB.	1,443.00	Each
13983 Chapter 7 5-11-16	Supplying and erecting extended rotary handle for MCCB with adjustable telescopic rod suitable above 630A upto 800A MCCB.	2,384.00	Each
13983 Chapter 8 5-11-17	Supplying and erecting SS enclosure for MCCB suitable for upto 100A MCCB.	761.00	Each
13983 Chapter 9 5-11-18	Supplying and erecting SS enclosure for MCCB suitable for 125A to 200A MCCB.	1,258.00	Each
Chapter 5-12 Dismantling			
13984 Chapter 0 5-12-1	Dismantling the existing switchgears, DB, and Bus bar of any size complete with/ without board or angle iron frame	76.00	Each
13984 Chapter 1 5-12-2	Making the site clear of dismantled DB and switch gears by refilling the holes with cement mortar & finishing in an approved manner.	56.00	Each
13984 Chapter 2 5-12-3	Dismantling existing OCB, ACB, LBS, VCB complete from existing panel board in an approved manner.	1,057.00	Each
13984 Chapter 3 5-12-4	Dismantling any type of unservicable feeder pillar, Switch gear panel, Capacitor Panel, Metering panel, Bus-bar Panel, Electronic Equipment Panel, etc. and remaking the site good as original. Approx. size (upto 150 cm x 70 cm x 45 cm) - Small Coupboard	1,057.00	Each
13984 Chapter 4 5-12-5	Dismantling any type of unservicable feeder pillar, Switch gear panel, Capacitor Panel, Metering panel, Bus-bar Panel, Electronic Equipment Panel, etc. and remaking the site good as original.	1,585.00	Each

Rate Card

PMC

Effective Date 01/04/2018

Item Description	Rate In (Rs)	
	Rate	Unit

Approx. size (upto 200cm. x 90 cm x 45 cm and above) - Big
Coupboard

Specification:

Chapter Name Control Panel (CP)

		Rate In (Rs)	
Item Description		Rate	Unit
Chapter 6-1	Sheets		
13984 Chapter 6-1-1 5	Providing and fixing sheet metal work in CRCA sheet with fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, rivetting etc. treated with anti-rust treatment and duly powder coated or painted with one coat of red lead paint and 2 coats of enamel paint as directed.	211.00	kg
13984 Chapter 6-1-2 6	Providing & Fixing G.I. sheet 1.6mm (16 gauge) to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, rivetting etc. and painting with one coat of red lead paint and 2 coats of enamel paint.	2,090.00	Sq.m
13984 Chapter 6-1-3 7	Providing & Fixing G.I. sheet 1.25mm (18gauge) to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, rivetting etc. and painting with one coat of red lead paint and 2 coats of enamel paint.	1,642.00	Sq.m
13984 Chapter 6-1-4 8	Providing & Fixing G.I. sheet 1mm (20 gauge) to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, rivetting etc. and painting with one coat of red lead paint and 2 coats of enamel paint.	1,510.00	Sq.m
13984 Chapter 6-1-5 9	Providing & Fixing G.I. sheet 0.8mm (22 gauge) to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, rivetting etc. and painting with one coat of red lead paint and 2 coats of enamel paint.	1,088.00	Sq.m
13985 Chapter 6-1-6 0	Providing & Fixing G.I. sheet 0.6mm (24 gauge) to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, rivetting etc. and painting with one coat of red lead paint and 2 coats of enamel paint.	1,046.00	Sq.m
13985 Chapter 6-1-7 1	Supplying and erecting Acrylic sheet 3 mm thick to be used for covering the CRCA sheet boxes etc. including cutting, drilling, & pasting or fixing with nut bolts/ screws etc. complete.	1,106.00	Sq.m
13985 Chapter 6-1-8 2	Supplying and erecting Acrylic sheet 2 mm thick for covering wall entries including cutting drilling and fixing with nut bolts / screws etc. complete.	916.00	Sq.m
13985 Chapter 6-1-9 3	Supplying and erecting Hylam sheet/ Ebonite sheet 3 mm thick for covering wall entries including cutting drilling and fixing with nut bolts / screws etc. complete.	794.00	Sq.m
13985 Chapter 6-1-10 4	Supplying and erecting Hylam sheet/ Ebonite 6 mm thick for covering wall entries including cutting drilling and fixing with nut bolts / screws etc. complete.	1,385.00	Sq.m

		Rate In (Rs)	
	Item Description	Rate	Unit
13985 5	Chapter 6-1-11 Supplying and erecting Plywood 6 mm thick fixed to wall or on provided panel board with necessary materials such as screws, wall fasteners supports, nuts bolts etc. complete.	361.00	Sq.m
13985 6	Chapter 6-1-12 Supplying and erecting Plywood 12 mm thick fixed to wall or on provided panel board with necessary materials such as screws, wall fasteners supports, nuts bolts etc. complete.	605.00	Sq.m
13985 7	Chapter 6-1-13 Supplying & pasting Sunmica/ Formica sheet 1 mm thick on provided Plywood of required shade.	688.00	Sq.m
13985 8	Chapter 6-1-14 Supplying and erecting marine plywood 18/19 mm thick fixed to wall or on provided panel board with necessary materials such as screws, wall fasteners supports, nuts bolts etc. complete.	1,157.00	Sq.m
13985 9	Chapter 6-1-15 Supplying and erecting enamel iron G.I. sheet 1.6mm (16 gauge) caution board of size 200 x 150 mm. as per I.S. 2551 of 1982 in Marathi and Hindi erected at position for medium installation.	88.00	Each
13986 0	Chapter 6-1-16 Supplying and erecting enamel iron G.I. sheet 1.6mm (16 gauge) caution board of size 250 x 200 mm. as per I.S. 2551 of 1982 in Marathi and Hindi erected at position for EHV installation.	174.00	Each
13986 1	Chapter 6-1-17 Supplying and erecting G.I. sheet of 1.25mm (18gauge) size 200 x 150 mm. duly painted with red oxide & enamel paint for displaying the department & date of erection of the electrical installation with approved shade as specified by the authority	70.00	Each
13986 2	Chapter 6-1-18 Providing and erecting cupboard for enclosing switchgears or for any other purpose made from selected marine plywood planks 19 mm thick duly varnished/ painted from inside and from outside with brass hinges and locking arrangement with suitable lock with duplicate keys. Cupboard duly grouted with suitable size of iron work in wall at the bottom. (Size of cupboard shall be specified in the estimate)	1,974.00	Sq.m
13986 3	Chapter 6-1-19 Supplying and erecting Iron, sheet metal work consisting of CRCA Sheets, Various sections of iron, Plates, Chequered Plates, Rods, Bars, MS pipes, etc. for panel board or any other purposes complete with bending, cutting, drilling and welding complete erected at the position with necessary materials duly painted with one coat of red oxide and two coats of enamel paint to match the switchgears or as per directions by the authority	119.00	kg
13986 4	Chapter 6-1-20 Supplying and erecting self locking arrangement with duplicate keys, made of brass duly erected, flush with surface of panel/cupboard.	219.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
13986	Chapter 6-1-21	155.00	Sq.m
5	Supplying and erecting expanded metal jali enclosure made from G.I. square mesh 15 SWG having 20/25 mm square, complete, properly fixed/welded and duly painted with one coat of red oxide and two coats of silver/enamel paint (size of jali or enclosure to be specified in the estimate.)		
13986	Chapter 6-1-22	107.00	kg
6	Supplying and erecting slotted angles, frames etc. for panel board or any other purposes complete with bending, cutting, drilling and welding complete erected at the position with necessary materials duly painted with one coat of red oxide and two coats of enamel paint to match the switchgears or as per directions by the authority		
Chapter 6-2 Bus bars (CP-BB)			
13986	Chapter 6-2-1	4,669.00	Meter
7	Supplying and erecting Bus bar chamber triple pole with neutral with four aluminium bars, 500V, 100A complete as per specification no. CP-BB		
13986	Chapter 6-2-2	4,913.00	Meter
8	Supplying and erecting Bus bar chamber triple pole with neutral with four aluminium bars, 500V 200A complete as per specification no. CP-BB		
13986	Chapter 6-2-3	5,220.00	Meter
9	Supplying and erecting Bus bar chamber triple pole with neutral with four aluminium bars, 500V 300A complete as per specification no. CP-BB		
13987	Chapter 6-2-4	7,482.00	Meter
0	Supplying and erecting Bus bar chamber triple pole with neutral with four aluminium bars, 500V 400A complete as per specification no. CP-BB		
13987	Chapter 6-2-5	8,531.00	Meter
1	Supplying and erecting Bus bar chamber triple pole with neutral with four aluminium bars, 500V 630A complete as per specification no. CP-BB		
13987	Chapter 6-2-6	9,379.00	Meter
2	Supplying and erecting Bus bar chamber triple pole with neutral with four aluminium bars, 500V 800A complete as per specification no. CP-BB		
13987	Chapter 6-2-7	6,675.00	Meter
3	Supplying and erecting Bus bar chamber triple pole with neutral with four Copper bars, 500V, 100A complete as per specification no. CP-BB		
13987	Chapter 6-2-8	7,849.00	Meter
4	Supplying and erecting Bus bar chamber triple pole with neutral with four Copper bars, 500V 200A complete as per specification no. CP-BB		
13987	Chapter 6-2-9	1,075.00	kg
5	Supplying & erecting of required size Electrolyte Copper Flexible Braided bus Patti or bar in bus bar chamber/in panel or any other purpose, suitable for 500 volt with require capacity with 99.9%		

		Rate In (Rs)	
	Item Description	Rate	Unit
	copper purity with fixing arrangement (like lug or bottle type lug) to both the end with high grade polyolefin insulation sleeve complete as per specification no. BCP-BB		
13987 6	Chapter 6-2-10 Supplying & erecting of any size Electrolyte Copper Patti or bar in bus bar chamber / in panel or any other purpose, 500 volt with require capacity with 99.9% copper purity with fixing arrangement (like lug or bottle type lug) to both the end with high grade polyolefin insulation sleeve complete as per specification no. BCP-BB	934.00	kg
13987 7	Chapter 6-2-11 Supplying & erecting of any size Electrolyte Alluminium Patti or bar in bus bar chamber / in panel or any other purpose, 500 volt with require capacity with 99.9% alluminium purity with fixing arrangement (like lug or bottle type lug) to both the end with high grade polyolefin insulation sleeve complete as per specification no. BCP-BB	569.00	kg
	Chapter 6-3 Measuring Instruments		
13987 8	Chapter 6-3-1 Supplying and erecting Static energy meter with 240V 50 cycles A.C. supply 5-30 A, ISI mark, accuracy class 1.0 with backlit LCD Display, (measuring & Display kWh, V,I,kW,, six month history of energy & MD in kW) with transparent Hinge Type box complete erected on polished T.W. board duly wired with required size of weather proof PVC wires duly tested by electric supply company.	2,019.00	Each
13987 9	Chapter 6-3-2 Supplying and erecting Static energy meter with 240V 50 cycles A.C. supply 10-60 A, ISI mark, accuracy class 1.0 with backlit LCD Display, (measuring & Display kWh, V,I,kW,, six month history of energy & MD in kW) with transparent Hinge Type box complete erected on polished T.W. board duly wired with required size of weather proof PVC wires duly tested by electric supply company.	2,152.00	Each
13988 0	Chapter 6-3-3 Supplying and erecting Static energy meter with 3X240V 50 cycles A.C. supply 10-60 A, ISI mark, accuracy class 1.0 with backlit LCD Display, (measuring & Display kWh ONLY) with transparent Hinge Type box complete erected on polished T.W. board duly wired with required size of weather proof PVC wires duly tested by electric supply company.	4,349.00	Each
13988 1	Chapter 6-3-4 Supplying and erecting Static Energy meter 415-V 50 100A ISI mark meter with cycles A.C. 3 phase 4 wires LCD/LED Display complete erected on polished T.W. board duly wired with required size of weather proof PVC wires duly tested for class II accuracy by electric supply company.	5,129.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
13988 Chapter 6-3-5 2	Supplying and erecting LT/CT multifunction DLMS compliance energy meter of accuracy of class 0.5 , 3x240V,50 Hz with optical & RS 232 port, backlit LCD, measures & Displays Trivector Energy, load survey, TOD, tamper detection & logging, power ON /OFF events, instaneous parameters of Rating -/5 Awith display in absence of power complete with zero adjustment & test certificate from manufacturer erected on provided M.S. box and connected to CTs.	7,697.00	Each
13988 Chapter 6-3-6 3	Supplying and erecting HT/CT multifunction DLMS compliance of accuracy of class 0.5 , 3x63.5V,50 Hz with optical & RS 232 port, backlit LCD, measures kWh, kVAh, V,I,kW, 6 months history of energy , load survey, & Displays Trivector Energy, load survey, TOD, tamper detection & logging, power ON /OFF events, instaneous parameters of Rating -/5 Awith display in absence of power complete with zero adjustment & test certificate from manufacturer erected on provided M.S. box.	9,691.00	Each
13988 Chapter 6-3-7 4	Supplying and erecting panel mounting type digital ammeter having Three and half digit LED display, external C.T. operated, calibrated for suitable to operate on 500V 0 to1000A AC supply with necessary PVC wire leads and lugs and mounting hardware on provided panel complete with calibration certificate from manufacturer.	1,205.00	Each
13988 Chapter 6-3-8 5	Supplying and erecting panel mounting type digital voltmeter having Three and half digit LED display, calibrated for 0 to 750V AC suitable to operate on 500V AC supply with necessary PVC wire leads and lugs and mounting hardware on provided panel complete with calibration certificate from manufacturer.	1,205.00	Each
13988 Chapter 6-3-9 6	Supplying and erecting Intelligent flush mounted panel meter three phase four wire (IPM) input voltage measurement range 50-550 VAC (P-P) 415V,Aux supply 90-300 VAC/DC, CT secondary site selectable 1A / 5A, Flush mounting 96 x 96 mm , CT/ PT site programmable, Flush mounted (96 x 96 mm) meter Constant Wh viewing in LCD Multifunction meters in auto scroll mode with Voltage, current, frequency, Power factor kW,kVA, kVAR, KWh, kVAh, kVARh, phase angle, interrupts, THD, Events (high- low) neutral current with LED Display (excluding CT'S) complete with RS 485 communication protocol, class 1 accuracy and wiring connections and mounting hardware on provided panels complete with calibration certificate from manufacture	6,003.00	Each
13988 Chapter 6-3-10 7	Supplying and erecting Dual Source Intelligent flush mounted panel meter three phase four wire (IPM) 415V CT/ PT site programmable class1 Flush mounted (96 x 96 mm) meter with	3,485.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	Voltage, current, frequency, Power factor , ON hours ,kWh, EB and DG set metering with LED Display (excluding CT'S) complete with RS 485 communication protocol, class 1 accuracy and wiring connections and mounting hardware on provided panels complete with calibration certificate from manufacture		
13988 8	Chapter 6-3-11 Supplying and erecting Intelligent flush mounted Maximum Demand Controller panel meter three phase four wire 50-550 V Phase to phase Aux Supply 90-300VAC/DC CT secondary site selectable 1A/5A, CT /PT site programmable, class 1 Flush mounted 96 x 96 mm meter, Datalog 8MB, 4 realy output Time of Day (TOD) 6 slots available, block / sliding window site selectable with V, A, F, kW, kVA, kVAr, kWh, kVAh,kVArh, PF, run hr, Onhr, Intr, Phase angle, THD, events, neutral current, Max Demand (with RTC) viewing in LCD multi function meter with LCD display complete class -1 accuracy with RS 485 communication protocol with wiring connections and mounting hardware on provided panels complete with calibration certificate from manufacturer.	19,759.00	Each
13988 9	Chapter 6-3-12 Supplying and erecting single phase 10-60 A NET METER of accuracy class 1.0, 240V, 50Hz, with backlit LCD Display, Optical port (Measures import kWh, export kWh,Net kWh,V,I, kW, 12 months history of energy) with wiring connections and mounting hardware on provided panels complete with calibration certificate from manufacturer.	5,226.00	Each
13989 0	Chapter 6-3-13 Supplying and erecting three phase 10-60 A NET METER DLMS compliance of accuracy class 1.0,3x 240V, 50Hz, with backlit LCD Display, Optical port &RJ 232 port(Measures import kWh, kVAh, export kWh, kVAh,Net kWh, kVAh,V,I, kW, 6 months history of energy) with wiring connections and mounting hardware on provided panels complete with calibration certificate from manufacturer.	9,598.00	Each
13989 1	Chapter 6-3-14 Supplying and erecting AC three phase LT/CT multifunction NET METER DLMS compliance of accuracy class 0.5, 3x 240V, 50Hz, with backlit LCD Display, Optical port &RS 232 port (Measures import kWh, kVAh, export kWh, kVAh,Net kWh, kVAh,V,I, kW, 6 months history of energy, Load survey,TOD, tamper detection & logging, power ON/OFF events, instantaneous parameters of rating -/5A with display in absence of power) with wiring connections and mounting hardware on provided panels complete with calibration certificate from manufacturer.	12,217.00	Each
13989 2	Chapter 6-3-15 Supplying and erecting AC three phase HT/CT multifunction NET METER DLMS compliance of accuracy class 0.5, 3x 63.5V, 50Hz, with backlit LCD Display, Optical port &RS 232 port(Measures	16,168.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	import kWh, kVAh, export kWh, kVAh,Net kWh, kVAh,V,I, kW, 6 months history of energy, Load survey,TOD, tamper detection & logging, power ON/OFF events, instantaneous parameters of rating -/5A with display in absence of power) with wiring connections and mounting hardware on provided panels complete with calibration certificate from manufacturer.		
	Chapter 6-4 H.T.Metering		
13989 3	Chapter 6-4-1 Supplying, erecting, testing, commissioning 11 KV H.T. metering cubical (Compact Type) approved by MSEDCL/Licensee fabricated with 2mm.(14 SWG) M.S.sheets with supporting angle and channel, painted with powder coating / epoxy paint of required shade copper bus bar size 25x6 mm electronic security lock and heavy duty mechanical lock, with counter meter for measuring no of times the opening of doors, top side cover (C.T.P.T COVER) interlock with meter doors, epoxy coated 3 nos C.T having required ratio between 5/5A to 50/5A, VA10,Class0.5S, 11000/V3/110/V3 VA 50, class 0.5 epoxy terminal block suitable for provided trivector meter, and provision for incoming and outgoing cables etc complete duly tested by Licensee with necessary Test Certificates and erected on provided plinth/ C.C foundation	1,26,399.00	Each
13989 4	Chapter 6-4-2 Supplying, erecting, testing, commissioning 11 KV H.T. metering cubical (Compact Type) approved by MSEDCL/Licensee fabricated with 2mm.(14 SWG) M.S.sheets with supporting angle and channel, painted with powder coating / epoxy paint of required shade copper bus bar size 25x6 mm electronic security lock and heavy duty mechanical lock, with counter meter for measuring no of times the opening of doors, top side cover (C.T.P.T COVER) interlock with meter doors, epoxy coated 3 nos C.T having required ratio between 75/5A to 100/5A, VA10,Class0.2S, 11000/V3/110/V3 VA 50, class 0.2 epoxy terminal block suitable for provided trivector meter, and provision for incoming and outgoing cables etc complete duly tested by Licensee with necessary Test Certificates and erected on provided plinth/ C.C foundation	1,32,261.00	Each
13989 5	Chapter 6-4-3 Supplying, erecting, testing, commissioning 22 KV H.T. metering cubical (Compact Type) approved by MSEDCL/Licensee fabricated with 2mm.(14 SWG) M.S.sheets with supporting angle and channel, painted with powder coating / epoxy paint of required shade copper bus bar size 25x6 mm electronic security lock and heavy duty mechanical lock, with counter meter for measuring no of times the opening of doors, top side cover (C.T.P.T COVER) interlock with meter doors, epoxy coated 3 nos	1,67,432.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	C.T having required ratio between 5/5A to 25/5A, VA10,Class0.5S, 22000/V3/110/V3 VA 50, class 0.5 epoxy terminal block suitable for provided trivector meter, and provision for incoming and outgoing cables etc complete duly tested by Licensee with necessary Test Certificates and erected on provided plinth/ C.C foundation		
13989 Chapter 6-4-4 6	Supplying, erecting, testing, commissioning 22 KV H.T. metering cubical (Compact Type) approved by MSEDCL/Licensee fabricated with 2mm.(14 SWG) M.S.sheets with supporting angle and channel, painted with powder coating / epoxy paint of required shade copper bus bar size 25x6 mm electronic security lock and heavy duty mechanical lock, with counter meter for measuring no of times the opening of doors, top side cover (C.T.P.T COVER) interlock with meter doors, epoxy coated 3 nos C.T having required ratio between 50/5A to 100/5A, VA10,Class0.2S, 22000/V3/110/V3 VA 50, class 0.2 epoxy terminal block suitable for provided trivector meter, and provision for incoming and outgoing cables etc complete duly tested by Licensee with necessary Test Certificates and erected on provided plinth/ C.C foundation	1,79,156.00	Each
	Chapter 6-5 Accessories		
13989 Chapter 6-5-1 7	Providing and erecting Selector Switch suitable for Voltmeter/Ammeter for 3 phase A.C supply 500V, 50Hz, on provided box / panel and duly connecting with necessary PVC wire leads and lugs.	318.00	Each
13989 Chapter 6-5-2 8	Providing and erecting L.T. Current Transformer with bar primary 50/5 to 1000/5 ratio with 15VA burden erected in provided CRCA box duly secured with insulating materials connected to the meter with test certificates.	760.00	Each
13989 Chapter 6-5-3 9	Supplying and erecting 525 V Three phase, 50 cycles, MPP type capacitor having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours kVAR bank of metalised polypropylene condensers (MPP) with the standard capacities of 2,3,5,7,10,12.5 and 15 kVAR units of P.F. correction for operation on 3 phase 50 cycles with externally discharging resistances, earthing terminals and built on angle iron or channel iron frame work and provided with terminal cover box complete erected on provided iron bracket or on floor duly tested by licensee	391.00	kvr
13990 Chapter 6-5-4 0	Supplying and erecting 525 V Three phase, 50 cycles, MPP type capacitor having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours	428.00	kvr

		Rate In (Rs)	
	Item Description	Rate	Unit
	kVAR bank of all polypropylene condensers (APP) with the standard capacities of 2,3,5,7,10,12.5 and 15 kVAR units of P.F. correction for operation on 3 phase 50 cycles with externally discharging resistances, earthing terminals and built on angle iron or channel iron frame work and provided with terminal cover box complete erected on provided iron bracket or on floor duly tested by licensee.		
13990 Chapter 6-5-5 1	Supplying and erecting set of 3 pilot lamps all Bakelite with colour glasses with miniature lamps 230 V/250V erected on provided CRCA box with panel type fuses and connected with PVC wires.	607.00	Each
13990 Chapter 6-5-6 2	Supplying & erecting LED type indicating pilot lamp with LED colours Red / Yellow / Green, 230 / 250V on provided box / panel with necessary material, wiring & connections etc.	275.00	Each
13990 Chapter 6-5-7 3	Supplying & erecting LED type indicating pilot lamp with LED colour BLUE, 230 / 250 V on provided box / panel with necessary material, wiring & connections etc.	332.00	Each
13990 Chapter 6-5-8 4	Providing and erecting all bakelite test terminal block with bakelite cover and sealing arrangements erected on provided panel board and connected by the leads of the instrument (This block is to be provided wherever L. T. M. D. meters and RkVAH meters are to be tested.)	463.00	Each
	Chapter 6-6 Surge Protective Devices (CP-SPD)		
13990 Chapter 6-6-1 5	Supplying, installtion & marking of Surge arrestor/ Surge Protection Device at the main distribution board after the incoming breaker of Type 1+2 conforming to IEC 61643- II tested for I _{max} 100 kA for Single Phase & Neutral as per specification no. CP-SPD	8,284.00	Each
13990 Chapter 6-6-2 6	Supplying, installtion & marking of Surge arrestor/ Surge Protection Device at the main distribution board after the incoming breaker of Type 1+2 conforming to IEC 61643- II tested for I _{max} 100 kA for Three Phase & Neutral as per specification no. CP-SPD	15,154.00	Each
13990 Chapter 6-6-3 7	Supplying, installtion & marking of Surge arrestor/ Surge Protection Device at the main distribution board after the incoming breaker of Type 1+2 conforming to IEC 61643- II tested for I _{max} 50 kA for single Phase & Neutral as per specification no. CP-SPD	5,767.00	Each
13990 Chapter 6-6-4 8	Supplying, installtion & marking of Surge arrestor/ Surge Protection Device at the main distribution board after the	11,237.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	incoming breaker of Type 1+2 conforming to IEC 61643- II tested for I _{max} 50 kA for Three Phase & Neutral as per specification no. CP-SPD		
13990 Chapter 6-6-5 9	Supplying, installtion & marking of Surge arrestor/ Surge Protection Device at the sub main distribution board after the incoming breaker of Type 2 conforming to IEC 61643- II tested for I _{max} 40 kA for single Phase & Neutral as per specification no. CP-SPD	3,569.00	Each
13991 Chapter 6-6-6 0	Supplying, installtion & marking of Surge arrestor/ Surge Protection Device at the sub main distribution board after the incoming breaker of Type 2 conforming to IEC 61643- II tested for I _{max} 40 kA for Three Phase & Neutral as per specification no. CP-SPD	6,847.00	Each
13991 Chapter 6-6-7 1	Supplying, installtion & marking of Surge arrestor/ Surge Protection Device at the sub main distribution board after the incoming breaker of Type 2 conforming to IEC 61643- II tested for I _{max} 15 kA for single Phase & Neutral as per specification no. CP-SPD	4,163.00	Each
13991 Chapter 6-6-8 2	Supplying, installtion & marking of Surge arrestor/ Surge Protection Device at the sub main distribution board after the incoming breaker of Type 2 conforming to IEC 61643- II tested for I _{max} 15 kA for Three Phase & Neutral as per specification no. CP-SPD	8,147.00	Each
	Chapter 6-7 Energy Devices (Harmonic Filter, APFC Panel) (ED/APFC)		
13991 Chapter 6-7-1 3	Carrying out Power quality analysis of the existing load at per point of supply / or as directed, with use of necessary day equipments and recording Voltage, Current, Frequency, KW, KVA, KVAR, PF, THDv , THDi, Load unbalance and submission of detail analysis report with remedial measures, as per specification no (ESD-ED/PQA)	21,782.00	day
13991 Chapter 6-7-2 4	Supplying, erecting, testing, and commissioning of Digital Active 30 A Harmonic filter cum Power conditioner, with Digital Closed Loop Active filter with Source Current Sensing, 32 bit Digital Signal processing with less than 1 milli second response time, High speed IGBTs in power circuit with necessary CTs to be mounted on existing cable/bus and shunted to supply alongwith Digital display showing Voltage, curreent, frequency, kW, kVA, kVAR, PF, VTHD, ITHD and waveform with alarm for 3 phase 4 wire sysytem as per specification No. ESD-ED/DAHf	3,21,400.00	Each
13991 Chapter 6-7-3 5	Supplying, erecting, testing, and commissioning of Digital Active 60 A Harmonic filtercum Power conditioner, with Digital Closed	3,77,801.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	Loop Active filter with Source Current Sensing, 32 bit Digital Signal processing with less than 1 milli second response time, High speed IGBTs in power circuit with necessary CTs to be mounted on existing cable/bus and shunted to supply alongwith Digital display showing Voltage, curreent, frequency, kW, kVA, kVAR, PF, VTHD, ITHD and waveform with alarm for 3 phase 4 wire sysytem as per specification No. ESD-ED/DAHF		
13991 Chapter 6-7-4 6	Supplying, erecting, testing, and commissioning of Digital Active 100 A Harmonic filter cum Power conditioner, with Digital Closed Loop Active filter with Source Current Sensing, 32 bit Digital Signal processing with less than 1 milli second response time, High speed IGBTs in power circuit with necessary CTs to be mounted on existing cable/bus and shunted to supply alongwith Digital display showing Voltage, curreent, frequency, kW, kVA, kVAR, PF, VTHD, ITHD and waveform with alarm for 3 phase 4 wire sysytem as per specification No. ESD-ED/DAHF	5,35,914.00	Each
13991 Chapter 6-7-5 7	Supplying, erecting, testing, and commissioning of Digital Active 150 A Harmonic filter cum Power conditioner, with Digital Closed Loop Active filter with Source Current Sensing, 32 bit Digital Signal processing with less than 1 milli second response time, High speed IGBTs in power circuit with necessary CTs to be mounted on existing cable/bus and shunted to supply alongwith Digital display showing Voltage, curreent, frequency, kW, kVA, kVAR, PF, VTHD, ITHD and waveform with alarm for 3 phase 4 wire sysytem as per specification No. ESD-ED/DAHF	7,05,131.00	Each
13991 Chapter 6-7-6 8	Supplying and erecting 30 kVAR, 415 V Three phase, 50 cycles, THYRISTER SWITCHED MICRO APFC PASSIVE FILTER PANEL, consisting of suitable steps of APP type capacitor units confirming to IS- 13585 (Part - I) 1994 with harmonic filter reactors, as per specification no ESD-APFC	1,14,400.00	Each
13991 Chapter 6-7-7 9	Supplying and erecting 40 kVAR, 415 V Three phase, 50 cycles, THYRISTER SWITCHED MICRO APFC PASSIVE FILTER PANEL, consisting of suitable steps of APP type capacitor units confirming to IS- 13585 (Part - I) 1994 with harmonic filter reactors, as per specification no ESD-APFC	1,37,848.00	Each
13992 Chapter 6-7-8 0	Supplying and erecting 50 kVAR, 415 V Three phase, 50 cycles, THYRISTER SWITCHED MICRO APFC PASSIVE FILTER PANEL, consisting of suitable steps of APP type capacitor units confirming to IS- 13585 (Part - I) 1994 with harmonic filter reactors, as per specification no ESD-APFC	1,47,227.00	Each
13992 Chapter 6-7-9 1	Supplying and erecting 75 kVAR, 415 V Three phase, 50 cycles, THYRISTER SWITCHED MICRO APFC PASSIVE FILTER PANEL,	1,80,336.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	consisting of suitable steps of APP type capacitor units confirming to IS- 13585 (Part – I) 1994 with harmonic filter reactors, as per specification no ESD-APFC		
13992 Chapter 6-7-10 2	Supplying and erecting 100 kVAR, 415 V Three phase, 50 cycles, THYRISTER SWITCHED MICRO APFC PASSIVE FILTER PANEL, consisting of suitable steps of APP type capacitor units confirming to IS- 13585 (Part – I) 1994 with harmonic filter reactors, as per specification no ESD-APFC	2,25,219.00	Each
13992 Chapter 6-7-11 3	Supplying and erecting 125 kVAR, 415 V Three phase, 50 cycles, THYRISTER SWITCHED MICRO APFC PASSIVE FILTER PANEL, consisting of suitable steps of APP type capacitor units confirming to IS- 13585 (Part – I) 1994 with harmonic filter reactors, as per specification no ESD-APFC	2,73,371.00	Each
13992 Chapter 6-7-12 4	Supplying and erecting 150 kVAR, 415 V Three phase, 50 cycles, THYRISTER SWITCHED MICRO APFC PASSIVE FILTER PANEL, consisting of suitable steps of APP type capacitor units confirming to IS- 13585 (Part – I) 1994 with harmonic filter reactors, as per specification no ESD-APFC	3,16,834.00	Each
13992 Chapter 6-7-13 5	Supplying and erecting 175 kVAR, 415 V Three phase, 50 cycles, THYRISTER SWITCHED MICRO APFC PASSIVE FILTER PANEL, consisting of suitable steps of APP type capacitor units confirming to IS- 13585 (Part – I) 1994 with harmonic filter reactors, as per specification no ESD-APFC	3,67,328.00	Each
13992 Chapter 6-7-14 6	Supplying and erecting 200 kVAR, 415 V Three phase, 50 cycles, THYRISTER SWITCHED MICRO APFC PASSIVE FILTER PANEL, consisting of suitable steps of APP type capacitor units confirming to IS- 13585 (Part – I) 1994 with harmonic filter reactors, as per specification no ESD-APFC	4,07,227.00	Each
13992 Chapter 6-7-15 7	Supplying and erecting 250 kVAR, 415 V Three phase, 50 cycles, THYRISTER SWITCHED MICRO APFC PASSIVE FILTER PANEL, consisting of suitable steps of APP type capacitor units confirming to IS- 13585 (Part – I) 1994 with harmonic filter reactors, as per specification no ESD-APFC	5,85,778.00	Each
13992 Chapter 6-7-16 8	Supplying and erecting 35 kVAR, Three phase, 50 cycles, Capacitor Duty Contactor with delatching mechanism Micro processor APFC controller with MPP /APP type capacitor with 525 V and having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours with , consisting of suitable steps of MPP /APPtype capacitor units confirming to Latest IEC with detuned aluminium filter 7% reactors with cicruit breaker as main incomer and MCCB for each branch protection as	1,66,613.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	per specification no ESD-APFC		
13992 9	Chapter 6-7-17 Supplying and erecting 50 kVAR, Three phase, 50 cycles, Capacitor Duty Contactor with delatching mechanism Micro processor APFC controller with MPP /APP type capacitor with 525 V and having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours with , consisting of suitable steps of MPP /APP type capacitor units confirming to Latest IEC with detuned aluminium filter 7% reactors with cicruit breaker as main incomer and MCCB for each branch protection, as per specification no ESD-APFC	2,33,221.00	Each
13993 0	Chapter 6-7-18 Supplying and erecting 100 kVAR, Three phase, 50 cycles, Capacitor Duty Contactor with delatching mechanism Micro processor APFC controller with MPP /APP type capacitor with 525 V and having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours with , consisting of suitable steps of MPP /APP type capacitor units confirming to Latest IEC with detuned aluminium filter 7% reactors with cicruit breaker as main incomer and MCCB for each branch protection, as per specification no ESD-APFC	3,29,444.00	Each
13993 1	Chapter 6-7-19 Supplying and erecting 125kVAR, Three phase, 50 cycles, Capacitor Duty Contactor with delatching mechanism Micro processor APFC controller with MPP /APP type capacitor with 525 V and having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours with , consisting of suitable steps of MPP /APP type capacitor units confirming to Latest IEC with detuned aluminium filter 7% reactors with cicruit breaker as main incomer and MCCB for each branch protection, as per specification no ESD-APFC	4,30,576.00	Each
13993 2	Chapter 6-7-20 Supplying and erecting 150kVAR, Three phase, 50 cycles, Capacitor Duty Contactor with delatching mechanism Micro processor APFC controller with MPP /APP type capacitor with 525 V and having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours with , consisting of suitable steps of MPP/APP type capacitor units confirming to Latest IEC with detuned aluminium filter 7% reactors with cicruit breaker as main incomer and MCCB for each branch protection, as per specification no ESD-APFC	4,66,170.00	Each
13993 3	Chapter 6-7-21 Supplying and erecting 200kVAR, Three phase, 50 cycles, Capacitor Duty Contactor with delatching mechanism Micro processor APFC controller with MPP/APP type capacitor with 525 V and having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours with ,	5,21,311.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	consisting of suitable steps of MPP /APP type capacitor units confirming to Latest IEC with detuned aluminium filter 7% reactors with cicruit breaker as main incomer and MCCB for each branch protection, as per specification no ESD-APFC		
13993 Chapter 6-7-22 4	Supplying and erecting 250kVAR, Three phase, 50 cycles, Capacitor Duty Contactor with delatching mechanism Micro processor APFC controller with MPP /APP type capacitor with 525 V and having minimum overcurrent capacity of 1.8 In, peak inrush current capacity 300 In and minimum life 150000 hours with , consisting of suitable steps of MPP/ APP type capacitor units confirming to Latest IEC with detuned aluminium filter 7% reactors with cicruit breaker as main incomer and MCCB for each branch protection, as per specification no ESD-APFC	5,98,013.00	Each

Specification:

Rate Card

PMC

Effective Date 01/04/2018**Chapter Name** Cables (CB)**Rate In (Rs)**

		Item Description	Rate	Unit
Chapter 7	-1	LT Cables (Aluminum) (CB-LT/AL)		
13993	Chapter 7	Supplying, erecting & terminating PVC armoured cable 2 core 2.5 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	90.00	Meter
5	-1-1			
13993	Chapter 7	Supplying, erecting & terminating PVC armoured cable 2 core 4 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	93.00	Meter
6	-1-2			
13993	Chapter 7	Supplying, erecting & terminating PVC armoured cable 2 core 6 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	104.00	Meter
7	-1-3			
13993	Chapter 7	Supplying, erecting & terminating PVC armoured cable 2 core 10 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	118.00	Meter
8	-1-4			
13993	Chapter 7	Supplying, erecting & terminating PVC armoured cable 3 core 2.5 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	94.00	Meter
9	-1-5			
13994	Chapter 7	Supplying, erecting & terminating PVC armoured cable 3 core 4 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	100.00	Meter
0	-1-6			
13994	Chapter 7	Supplying, erecting & terminating PVC armoured cable 3 core 6 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	111.00	Meter
1	-1-7			
13994	Chapter 7	Supplying, erecting & terminating PVC armoured cable 3 core 10 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on	132.00	Meter
2	-1-8			

		Rate In (Rs)	
Item Description		Rate	Unit
	wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL		
13994 Chapter 7 3 -1-9	Supplying, erecting & terminating PVC armoured cable 3 core 16 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	150.00	Meter
13994 Chapter 7 4 -1-10	Supplying, erecting & terminating PVC armoured cable 3 core 25 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	171.00	Meter
13994 Chapter 7 5 -1-11	Supplying, erecting & terminating PVC armoured cable 3 core 35 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	213.00	Meter
13994 Chapter 7 6 -1-12	Supplying, erecting & terminating PVC armoured cable 3 core 50 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	258.00	Meter
13994 Chapter 7 7 -1-13	Supplying, erecting & terminating PVC armoured cable 4 core 4 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	110.00	Meter
13994 Chapter 7 8 -1-14	Supplying, erecting & terminating PVC armoured cable 4 core 6 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	121.00	Meter
13994 Chapter 7 9 -1-15	Supplying, erecting & terminating PVC armoured cable 4 core 10 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	146.00	Meter
13995 Chapter 7 0 -1-16	Supplying, erecting & terminating PVC armoured cable 4 core 16 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per	170.00	Meter

		Rate In (Rs)	
		Rate	Unit
Item Description			
	specification no. CB-LT/AL		
13995 Chapter 7 1 -1-17	Supplying, erecting & terminating PVC armoured cable 3½ core 25 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	194.00	Meter
13995 Chapter 7 2 -1-18	Supplying, erecting & terminating PVC armoured cable 3½ core 35 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	234.00	Meter
13995 Chapter 7 3 -1-19	Supplying, erecting & terminating PVC armoured cable 3½ core 50 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	317.00	Meter
13995 Chapter 7 4 -1-20	Supplying, erecting & terminating PVC armoured cable 3½ core 70 sq mm aluminium conductor with continuous 8.35 sq mm (10 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	410.00	Meter
13995 Chapter 7 5 -1-21	Supplying, erecting & terminating PVC armoured cable 3½ core 95 sq mm aluminium conductor with continuous 8.35 sq mm (10 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	501.00	Meter
13995 Chapter 7 6 -1-22	Supplying, erecting & terminating PVC armoured cable 4 core 25 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	219.00	Meter
13995 Chapter 7 7 -1-23	Supplying, erecting & terminating PVC armoured cable 4 core 35 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	268.00	Meter
13995 Chapter 7 8 -1-24	Supplying, erecting & terminating PVC armoured cable 4 core 50 sq mm aluminium conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	340.00	Meter

			Rate In (Rs)	
Item Description			Rate	Unit
13995	Chapter 7 9 -1-25	Supplying, erecting & terminating PVC armoured cable 4 core 70 sq mm aluminium conductor with continuous 8.35 sq mm (10 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	445.00	Meter
13996	Chapter 7 0 -1-26	Supplying, erecting & terminating PVC armoured cable 4 core 95 sq mm aluminium conductor with continuous 8.35 sq mm (10 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	549.00	Meter
13996	Chapter 7 1 -1-27	Supplying, erecting & terminating PVC armoured cable 3½ core 120 sq mm aluminium conductor with continuous 12.97 sq mm (8 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	618.00	Meter
13996	Chapter 7 2 -1-28	Supplying, erecting & terminating PVC armoured cable 3½ core 150 sq mm aluminium conductor with continuous 12.97 sq mm (8 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	740.00	Meter
13996	Chapter 7 3 -1-29	Supplying, erecting & terminating PVC armoured cable 1100 V. 3½ core 185 sq mm aluminium conductor with continuous 12.97 sq mm (8 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	904.00	Meter
13996	Chapter 7 4 -1-30	Supplying, erecting & terminating PVC armoured cable 3½ core 240 sq mm aluminium conductor with continuous 12.97 sq mm (8 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	1,133.00	Meter
13996	Chapter 7 5 -1-31	Supplying, erecting & terminating PVC armoured cable 3½ core 300 sq mm aluminium conductor with continuous 12.97 sq mm (8 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	1,280.00	Meter
13996	Chapter 7 6 -1-32	Supplying, erecting & terminating PVC armoured cable 3½ core 400 sq mm aluminium conductor with continuous 12.97 sq mm (8 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	1,597.00	Meter

			Rate In (Rs)	
Item Description			Rate	Unit
13996	Chapter 7 7 -1-33	Re-erecting PVC armoured cable 2 to 4 Core up to 50 sq mm on wall with necessary material & G.I. earth wire in an approved manner.	45.00	Meter
13996	Chapter 7 8 -1-34	Supplying, erecting & terminating PVC armoured cable 1 core 70sq mm aluminium conductor with continuous 12.97 sq mm (8 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	191.00	Meter
13996	Chapter 7 9 -1-35	Supplying, erecting & terminating PVC armoured cable 1 core 95sq mm aluminium conductor with continuous 12.97 sq mm (8 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	212.00	Meter
13997	Chapter 7 0 -1-36	Supplying, erecting & terminating PVC armoured cable 1 core 120sq mm aluminium conductor with continuous 12.97 sq mm (8 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	229.00	Meter
13997	Chapter 7 1 -1-37	11kv/22kv/33kv Cable Fault Detection for HT power underground cable from 35 sq.mm to 400 sq.mm by acoustic Method by using surge wave tester & surge wave reciver (Duophone) up to 250mtr length cable with recording results & submission of Test reports	6,484.00	Per Job
13997	Chapter 7 2 -1-38	11kv/22kv/33kv Cable Fault Detection for HT power underground cable from 35 sq.mm to 400 sq.mm by acoustic Method by using surge wave tester & surge wave reciver (Duophone)251mtr to 500 mtr length cable with recording results & submission of Test reports	6,216.00	Per Job
13997	Chapter 7 3 -1-39	Cable Fault Detection for all types of LT underground cable from 16sq.mm. to 400 sq. mm by acoustic Method by using surge wave tester & surge wave reciver (Duophone) up to 250mtr length cable with recording results & submission of Test reports	6,197.00	Per Job
13997	Chapter 7 4 -1-40	Cable Fault Detection for all types of LT underground cable from 16 sq.mm to 400 sq.mm by acoustic Method by using surge wave tester & surge wave reciver (Duophone) 251mtr to 500mtr length cable with recording results & submission of Test reports	5,929.00	Per Job
Chapter 7 -2 LT Cables (Copper) (CB-LT/CU)				
13997	Chapter 7 5 -2-1	Supplying, erecting & terminating PVC armoured cable 2 core 2.5 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification	130.00	Meter

		Rate In (Rs)	
		Rate	Unit
	no. CB-LT/CU		
13997 Chapter 7 6 -2-2	Supplying, erecting & terminating PVC armoured cable 2 core 4 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	161.00	Meter
13997 Chapter 7 7 -2-3	Supplying, erecting & terminating PVC armoured cable 2 core 6 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	206.00	Meter
13997 Chapter 7 8 -2-4	Supplying, erecting & terminating PVC armoured cable 2 core 10 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	294.00	Meter
13997 Chapter 7 9 -2-5	Supplying, erecting & terminating PVC armoured cable 3 core 2.5 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	156.00	Meter
13998 Chapter 7 0 -2-6	Supplying, erecting & terminating PVC armoured cable 3 core 4 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	199.00	Meter
13998 Chapter 7 1 -2-7	Supplying, erecting & terminating PVC armoured cable 3 core 6 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	263.00	Meter
13998 Chapter 7 2 -2-8	Supplying, erecting & terminating PVC armoured cable 3 core 10 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	387.00	Meter
13998 Chapter 7 3 -2-9	Supplying, erecting & terminating PVC armoured cable 4 core 4 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	245.00	Meter

			Rate In (Rs)	
Item Description			Rate	Unit
13998 4	Chapter 7 -2-10	Supplying, erecting & terminating PVC armoured cable 4 core 6 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	330.00	Meter
13998 5	Chapter 7 -2-11	Supplying, erecting & terminating PVC armoured cable 4 core 10 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	490.00	Meter
13998 6	Chapter 7 -2-12	Supplying, erecting & terminating PVC armoured cable 4 core 16 sq mm copper conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	698.00	Meter
13998 7	Chapter 7 -2-13	Supplying, erecting & terminating PVC armoured cable 4 core 25 sq mm copper conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	1,129.00	Meter
13998 8	Chapter 7 -2-14	Supplying, erecting & terminating PVC armoured cable 4 core 35 sq mm copper conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	1,542.00	Meter
13998 9	Chapter 7 -2-15	Supplying, erecting & terminating PVC armoured cable 4 core 50 sq mm copper conductor with continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	2,101.00	Meter
13999 0	Chapter 7 -2-16	Supplying, erecting & terminating PVC Unarmoured cable 1 core 25 sq. mm copper conductor complete erected with provided lugs, laid in provided control panel /distribution boards / pipe as per specification no. CB-LT/CU	325.00	Meter
13999 1	Chapter 7 -2-17	Supplying, erecting & terminating PVC Unarmoured cable 1 core 35 sq. mm copper conductor complete erected with provided lugs, laid in provided control panel /distribution boards / pipe as per specification no. CB-LT/CU	437.00	Meter
13999 2	Chapter 7 -2-18	Supplying, erecting & terminating PVC Unarmoured cable 1 core 50 sq. mm copper conductor complete erected with provided lugs,	582.00	Meter

		Rate In (Rs)	
Item Description		Rate	Unit
	laid in provided control panel /distribution boards / pipe as per specification no. CB-LT/CU		
13999 Chapter 7 3 -2-19	Supplying, erecting & terminating PVC Unarmoured cable 1 core 70 sq. mm copper conductor complete erected with provided lugs, laid in provided control panel/distribution boards / pipe as per specification no. CB-LT/CU	808.00	Meter
13999 Chapter 7 4 -2-20	Supplying, erecting & terminating PVC Unarmoured cable 1 core 95 sq. mm copper conductor complete erected with provided lugs, laid in provided control panel /distribution boards / pipe as per specification no. CB-LT/CU	1,124.00	Meter
Chapter 7 -3	HT Cables (CB-HT)		
13999 Chapter 7 5 -3-1	Supplying , erecting & terminating 3 x 70 sq mm 11 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	803.00	Meter
13999 Chapter 7 6 -3-2	Supplying , erecting & terminating 3 x 95 sq mm 11 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	1,099.00	Meter
13999 Chapter 7 7 -3-3	Supplying , erecting & terminating 3 x 120 sq mm 11 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification no. CB-HT	1,283.00	Meter
13999 Chapter 7 8 -3-4	Supplying , erecting & terminating 3 x 70 sq mm 22 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification no. CB-HT	1,015.00	Meter
13999 Chapter 7 9 -3-5	Supplying , erecting & terminating 3 x 95 sq mm 22 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	1,246.00	Meter
14000 Chapter 7 0 -3-6	Supplying , erecting & terminating 3 x 120 sq mm 22 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	1,414.00	Meter
14000 Chapter 7 1 -3-7	Supplying , erecting & terminating 3 x 70 sq mm 33 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	1,192.00	Meter
14000 Chapter 7 2 -3-8	Supplying , erecting & terminating 3 x 95 sq mm 33 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	1,642.00	Meter
14000 Chapter 7 3 -3-9	Supplying , erecting & terminating 3 x 120 sq mm 33 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	1,865.00	Meter

			Rate In (Rs)	
Item Description			Rate	Unit
14000 4	Chapter 7 -3-10	Supplying , erecting & terminating 3 x 150 sq mm 11 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	1,442.00	Meter
14000 5	Chapter 7 -3-11	Supplying , erecting & terminating 3 x 185 sq.mm 11 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	1,682.00	Meter
14000 6	Chapter 7 -3-12	Supplying , erecting & terminating 3 x 240 sq mm 11 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	1,999.00	Meter
14000 7	Chapter 7 -3-13	Supplying , erecting & terminating 3 x 300 sq mm 11 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	2,303.00	Meter
14000 8	Chapter 7 -3-14	Supplying , erecting & terminating 3 x 400 sq mm 11 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	2,692.00	Meter
14000 9	Chapter 7 -3-15	Supplying , erecting & terminating 3 x 150 sq mm 22 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	1,565.00	Meter
14001 0	Chapter 7 -3-16	Supplying , erecting & terminating 3 x 185 sq mm 22 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	1,747.00	Meter
14001 1	Chapter 7 -3-17	Supplying , erecting & terminating 3 x 240 sq mm 22 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	2,035.00	Meter
14001 2	Chapter 7 -3-18	Supplying , erecting & terminating 3 x 300 sq mm 22 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	2,338.00	Meter
14001 3	Chapter 7 -3-19	Supplying , erecting & terminating 3 x 150 sq mm 33 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	1,984.00	Meter
14001 4	Chapter 7 -3-20	Supplying , erecting & terminating 3 x 185 sq mm 33 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	2,184.00	Meter
14001 5	Chapter 7 -3-21	Supplying , erecting & terminating 3 x 240 sq mm 33 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in an approved manner as per specification No. CB-HT	2,488.00	Meter
14001 6	Chapter 7 -3-22	Supplying , erecting & terminating 3 x 300 sq mm 33 kV, XLPE(E) armoured cable on wall/ceiling or laid in provided trench / pipe in	2,800.00	Meter

			Rate In (Rs)	
Item Description			Rate	Unit
an approved manner as per specification No. CB-HT				
Chapter 7	-4	Cable Joints & End Termination Kits (LT Cables) (CB-JT/LT)		
14001	Chapter 7 7 -4-1	Providing & erecting epoxy straight through joint outdoor/indoor for LT PVC armoured cable 2.5 to 16 sq mm. cable, with necessary material as per specification No. CB-JT/LT	1,365.00	Each
14001	Chapter 7 8 -4-2	Providing & erecting epoxy straight through joint outdoor/indoor for LT PVC armoured cable 25 to 50 sq mm. cable, with necessary material as per specification No. CB-JT/LT	1,572.00	Each
14001	Chapter 7 9 -4-3	Providing & erecting epoxy straight through joint outdoor/indoor for LT PVC armoured cable 70 to 95 sq mm cable, with necessary material as per specification No. CB-JT/LT	2,272.00	Each
14002	Chapter 7 0 -4-4	Providing & erecting epoxy straight through joint outdoor/indoor for LT PVC armoured cable 120 to 185 sq mm cable, with necessary material as per specification No. CB-JT/LT	3,083.00	Each
14002	Chapter 7 1 -4-5	Providing & erecting epoxy straight through joint outdoor/indoor for LT PVC armoured cable 240 sq.mm. cable, with necessary material as per specification No. CB-JT/LT	3,338.00	Each
14002	Chapter 7 2 -4-6	Providing & erecting epoxy straight through joint outdoor/indoor for LT PVC armoured cable 300 sq mm. cable, with necessary material as per specification No. CB-JT/LT	4,020.00	Each
14002	Chapter 7 3 -4-7	Providing & erecting epoxy straight through joint outdoor/indoor for LT PVC armoured cable 400 sq mm. cable, with necessary material as per specification No. CB-JT/LT	5,332.00	Each
14002	Chapter 7 4 -4-8	Providing & erecting epoxy outdoor / indoor end termination kit for LT PVC armoured cable 2.5 to 16 sq mm. cable, with necessary material as per specification No. CB-JT/LT	1,260.00	Each
14002	Chapter 7 5 -4-9	Providing & erecting epoxy outdoor / indoor end termination kit for LT PVC armoured cable 25 to 50 sq mm. cable, with necessary material as per specification No. CB-JT/LT	1,534.00	Each
14002	Chapter 7 6 -4-10	Providing & erecting epoxy outdoor / indoor end termination kit for LT PVC armoured cable 70 to 150 sq mm. cable, with necessary material as per specification No. CB-JT/LT	1,777.00	Each
14002	Chapter 7 7 -4-11	Providing & erecting epoxy outdoor / indoor end termination kit for LT PVC armoured cable 185 to 300 sq mm. cable, with necessary material as per specification No. CB-JT/LT	2,251.00	Each
14002	Chapter 7 8 -4-12	Providing & erecting epoxy outdoor / indoor end termination kit for LT PVC armoured cable 225 to 300 sq mm. cable, with necessary material as per specification no. CB-JT/LT	2,285.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
14002 9	Chapter 7 -4-13	Providing & erecting epoxy outdoor / indoor end termination kit for LT PVC armoured cable 400 sq mm. cable, with necessary material as per specification No. CB-JT/LT	2,807.00	Each
	Chapter 7 -5	Cable Joints & End Termination Kits (HT Cables) (CB-JT/HT)		
14003 0	Chapter 7 -5-1	Providing and erecting Heat shrinkable indoor termination kit for 33 kV (E) XLPE HT cable 3x70 to 95 sq. mm. with necessary material as per specification No. CB-JT/HT	14,781.00	Each
14003 1	Chapter 7 -5-2	Providing and erecting Heat shrinkable indoor termination kit for 11 kV (E) XLPE HT cable 3x120 to 185 sq. mm. with necessary material as per specification No. CB-JT/HT	10,708.00	Each
14003 2	Chapter 7 -5-3	Providing and erecting Heat shrinkable indoor termination kit for 22 kV (E) XLPE HT cable 3x120 to 185 sq. mm. with necessary material as per specification No. CB-JT/HT	13,741.00	Each
14003 3	Chapter 7 -5-4	Providing and erecting Heat shrinkable indoor termination kit for 33 kV (E) XLPE HT cable 3x120 to 185 sq. mm. with necessary material as per specification No. CB-JT/HT	20,266.00	Each
14003 4	Chapter 7 -5-5	Providing and erecting Heat shrinkable indoor termination kit for 22 kV (E) XLPE HT cable 3x240 to 400 sq. mm. with necessary material as per specification No. CB-JT/HT	15,888.00	Each
14003 5	Chapter 7 -5-6	Providing and erecting Heat shrinkable indoor termination kit for 33 kV (E) XLPE HT cable 3x240 to 400 sq mm. with necessary material as per specification No. CB-JT/HT	24,766.00	Each
14003 6	Chapter 7 -5-7	Providing and erecting Heat shrinkable out door termination kit for 22 kV (E) XLPE HT cable 3x70 to 120 sq mm cable with necessary material as per specification No. CB-JT/HT	18,341.00	Each
14003 7	Chapter 7 -5-8	Providing and erecting Heat shrinkable out door termination kit for 33 kV (E) XLPE HT cable 3x70 to 95 sq. mm. with necessary material as per specification No. CB-JT/HT	22,358.00	Each
14003 8	Chapter 7 -5-9	Providing and erecting Heat shrinkable outdoor termination kit for 11 kV (E) XLPE HT cable 3x120 to 185 sq. mm. with necessary material as per specification no. CB-JT/HT	14,057.00	Each
14003 9	Chapter 7 -5-10	Providing and erecting Heat shrinkable outdoor termination kit for 22 kV (E) XLPE HT cable 3x150 to 185 sq. mm. with necessary material as per specification No. CB-JT/HT	20,169.00	Each
14004 0	Chapter 7 -5-11	Providing and erecting Heat shrinkable outdoor termination kit for 33 kV (E) XLPE HT cable 3x120 to 185 sq. mm. with necessary material as per specification No. CB-JT/HT	28,333.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
14004	Chapter 7 1 -5-12	Providing and erecting Heat shrinkable outdoor termination kit for 22 kV (E) XLPE HT cable 3x240 to 400 sq mm. with necessary material as per specification No. CB-JT/HT	27,004.00	Each
14004	Chapter 7 2 -5-13	Providing and erecting Heat shrinkable outdoor termination kit for 33 kV (E) XLPE HT cable 3x240 to 400 sq mm. with necessary material as per specification No. CB-JT/HT	36,803.00	Each
14004	Chapter 7 3 -5-14	Providing and erecting Heat shrinkable Straight through joint kit for 11 kV (E) XLPE HT cable 3x240 to 400 sq. mm. with necessary material as per specification No. CB-JT/HT	29,710.00	Each
14004	Chapter 7 4 -5-15	Providing and erecting Heat shrinkable Straight through joint kit for 22 kV (E) XLPE HT cable 3x300 to 400 sq. mm with necessary material as per specification No. CB-JT/HT	56,335.00	Each
14004	Chapter 7 5 -5-16	Providing and erecting Heat shrinkable Straight through joint kit for 33 kV (E) XLPE HT cable 3x300 to 400 sq mm with necessary material as per specification No. CB-JT/HT	83,641.00	Each
14004	Chapter 7 6 -5-17	Providing and erecting Heat shrinkable indoor termination kit for 11 kV (E) XLPE HT cable 3x70 to 95 sq. mm. with necessary material as per specification No. CB-JT/HT	8,927.00	Each
14004	Chapter 7 7 -5-18	Providing and erecting Heat shrinkable indoor termination kit for 22 kV (E) XLPE HT cable 3x70 to 95 sq. mm. with necessary material as per specification No. CB-JT/HT	10,986.00	Each
14004	Chapter 7 8 -5-19	Providing and erecting Heat shrinkable indoor termination kit for 11 kV (E) XLPE HT cable 3x240 to 300 sq. mm. with necessary material as per specification No. CB-JT/HT	11,270.00	Each
14004	Chapter 7 9 -5-20	Providing and erecting Heat shrinkable indoor termination kit for 11 kV (E) XLPE HT cable 3x400 sq. mm. with necessary material as per specification No. CB-JT/HT	11,898.00	Each
14005	Chapter 7 0 -5-21	Providing and erecting Heat shrinkable out door termination kit for 11 kV (E) XLPE HT cable 3x70 to 95 sq mm with necessary material as per specification No. CB-JT/HT	13,181.00	Each
14005	Chapter 7 1 -5-22	Providing and erecting Heat shrinkable outdoor termination kit for 11 kV (E) XLPE HT cable 3x240 to 300 sq. mm. with necessary material as per specification No. CB-JT/HT	15,643.00	Each
14005	Chapter 7 2 -5-23	Providing and erecting Heat shrinkable outdoor termination kit for 11 kV (E) XLPE HT cable 3x400 sq. mm. with necessary material as per specification No. CB-JT/HT	16,389.00	Each
14005	Chapter 7 3 -5-24	Providing and erecting Heat shrinkable Straight through joint kit for 11 kV (E) XLPE HT cable 3x70 to 95 sq.mm. with necessary	20,836.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
		material as per specification No. CBJT/HT		
14005 4	Chapter 7 -5-25	Providing and erecting Heat shrinkable Straight through joint kit for 11 kV (E) XLPE HT cable 3x120 to 185 sq.mm. with necessary material as per specification No. CBJT/HT	26,665.00	Each
14005 5	Chapter 7 -5-26	Providing and erecting Heat shrinkable Straight through joint kit for 22 kV (E) XLPE HT cable 3x70 to 95 sq.mm with necessary material as per specification No. CBJT/HT	38,983.00	Each
14005 6	Chapter 7 -5-27	Providing and erecting Heat shrinkable Straight through joint kit for 22 kV (E) XLPE HT cable 3x120 to 150 sq.mm with necessary material as per specification No. CBJT/HT	41,083.00	Each
14005 7	Chapter 7 -5-28	Providing and erecting Heat shrinkable Straight through joint kit for 33 kV (E) XLPE HT cable 3x70 sq mm with necessary material as per specification No. CBJT/HT	43,894.00	Each
14005 8	Chapter 7 -5-29	Providing and erecting Heat shrinkable Straight through joint kit for 33 kV (E) XLPE HT cable 3x95 to 150 sq mm with necessary material as per specification No. CBJT/HT	55,093.00	Each
14005 9	Chapter 7 -5-30	Providing and erecting Heat shrinkable Straight through joint kit for 22 kV (E) XLPE HT cable 3x185 to 240 sq.mm. with necessary material as per specification No. CBJT/HT	49,063.00	Each
14006 0	Chapter 7 -5-31	Providing and erecting Heat shrinkable Straight through joint kit for 33 kV (E) XLPE HT cable 3x185 to 240 sq.mm. with necessary material as per specification No. CBJT/HT	76,767.00	Each
	Chapter 7 -6	Cable Enclosures (CB-CE)		
14006 1	Chapter 7 -6-1	Supplying & erecting G.I. pipe 'A' class 25 mm dia. erected for enclosing PVC armoured cable on wall/pole as per specification No. CB-CE	183.00	Meter
14006 2	Chapter 7 -6-2	Supplying & erecting G.I. pipe 'A' class 40 mm dia. erected for enclosing PVC armoured cable on wall/pole as per specification No. CB-CE	288.00	Meter
14006 3	Chapter 7 -6-3	Supplying & erecting G.I. pipe 'A' class 50 mm dia. erected for enclosing PVC armoured cable on wall/pole as per specification No. CB-CE	359.00	Meter
14006 4	Chapter 7 -6-4	Supplying & erecting G.I. pipe 'A' class 75 mm dia. erected for enclosing PVC armoured cable on wall/pole as per specification No. CB-CE	540.00	Meter
14006 5	Chapter 7 -6-5	Supplying & laying (including excavation) 15 cm dia RCC Hume pipe with coupling collar of standard thickness at required depth up to 90 cm below road / ground surface, for enclosing provided	564.00	Meter

		Rate In (Rs)	
Item Description		Rate	Unit
	cable & necessary back filling with light ramming to make the road/ground surface as it was (Except bitumen carpet).		
14006 Chapter 7 6 -6-6	Supplying & laying (including excavation) 15 cm dia half round RCC Hume pipe of standard thickness at required depth up to 90 cms. below road / ground surface, for enclosing provided cable & necessary back filling with light ramming to make the road/ground surface as it was (Except bitumen carpet).	432.00	Meter
14006 Chapter 7 7 -6-7	Supplying & laying (including excavation) 25 cm dia RCC Hume pipe of standard thickness at required depth up to 90 cms. below road / ground surface, for covering provided cable & necessary back filling with light ramming to make the road/ground surface as it was (Except bitumen carpet).	601.00	Meter
14006 Chapter 7 8 -6-8	Supplying & laying (including excavation) 25 cm Dia half round RCC Hume pipe of standard thickness at required depth up to 90 cms. below road / ground surface, for enclosing provided cable & necessary back filling with light ramming to make the road/ground surface as it was (Except bitumen carpet).	470.00	Meter
14006 Chapter 7 9 -6-9	Supplying and laying (including excavation) 50 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete.	185.00	Meter
14007 Chapter 7 0 -6-10	Supplying and laying (including excavation) 77 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete.	207.00	Meter
14007 Chapter 7 1 -6-11	Supplying and laying (including excavation) 90 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete.	278.00	Meter
14007 Chapter 7 2 -6-12	Supplying and laying (including excavation) 120 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete.	313.00	Meter
14007 Chapter 7 3 -6-13	Supplying and laying (including excavation) 146 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete.	369.00	Meter
14007 Chapter 7 4 -6-14	Supplying and laying (including excavation) 160 mm outside dia, double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete.	391.00	Meter
14007 Chapter 7 5 -6-15	Supplying and laying (including excavation) 175 mm outside dia, double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete.	493.00	Meter

			Rate In (Rs)	
Item Description			Rate	Unit
14007 6	Chapter 7 -6-16	Supplying and laying (including excavation) 200 mm outside dia, double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete.	560.00	Meter
	Chapter 7 -7	Cable Glands(CB-GL)		
14007 7	Chapter 7 -7-1	Supplying & erecting Siemens type brass cable glands for 2 to 4 core 2.5 sq mm /2 to 4 core 4 sq mm /2 core 6 sq mm for PVC armoured cable as per specification No. CB-GL	35.00	Each
14007 8	Chapter 7 -7-2	Supplying & erecting Siemens type brass cable glands for 3 to 4 core 6 sq mm /2 to 4 core 10 sq mm for PVC armoured cable as per specification No. CB-GL	40.00	Each
14007 9	Chapter 7 -7-3	Supplying & erecting Siemens type brass cable glands for 3 to 4 core 16 sq mm /3 to 4 core 25 sq mm /3 core 35 sq mm for PVC armoured cable as per specification No. CB-GL	50.00	Each
14008 0	Chapter 7 -7-4	Supplying & erecting Siemens type brass cable glands for 4 core 35 Sq.mm./3 core 50 Sq.mm. for PVC armoured cable as per specification no. CB-GL	62.00	Each
14008 1	Chapter 7 -7-5	Supplying & erecting Siemens type brass cable glands for 4 core 50 sq mm for PVC armoured cable as per specification No. CB-GL	79.00	Each
14008 2	Chapter 7 -7-6	Supplying & erecting Siemens type brass cable glands for 3½ core 70 sq mm for PVC armoured cable as per specification No. CB-GL	90.00	Each
14008 3	Chapter 7 -7-7	Supplying & erecting Siemens type brass cable glands for 3½ core 95 sq mm for PVC armoured cable as per specification No. CB-GL	103.00	Each
14008 4	Chapter 7 -7-8	Supplying & erecting Siemens type brass cable glands for 3½ core 120 sq mm for PVC armoured cable as per specification No. CB-GL	118.00	Each
14008 5	Chapter 7 -7-9	Supplying & erecting Siemens type brass cable glands for 3½ core 150 sq mm for PVC armoured cable as per specification No. CB-GL	140.00	Each
14008 6	Chapter 7 -7-10	Supplying & erecting Siemens type brass cable glands for 3½ core 185 sq mm for PVC armoured cable as per specification No. CB-GL	178.00	Each
14008 7	Chapter 7 -7-11	Supplying & erecting Siemens type brass cable glands for 3½core 240 sq mm for PVC armoured cable as per specification No. CB-GL	203.00	Each
14008 8	Chapter 7 -7-12	Supplying & erecting Siemens type brass cable glands for 3½core 300 sq mm for PVC armoured cable as per specification No. CB-GL	239.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
14008 9	Chapter 7 -7-13	Supplying & erecting Siemens type brass cable glands for 3½core 400 sq mm for PVC armoured cable as per specification No. CB-GL	275.00	Each
Chapter 7 -8 Street Light Boxes & Cable Indicators (CB-SB/CB-CIP)				
14009 0	Chapter 7 -8-1	Supplying & erecting cast iron cable indicator plate buried along with route of cable for PVC / XLPE armoured cable as per specification No. CB-CIP	171.00	Each
14009 1	Chapter 7 -8-2	Supplying & erecting water tight terminal box of 1.6 mm (16 gauge) CRCA sheet of size 200 x 150 x 150 mm. complete on pole as per specification No. CB-SB	440.00	Each
14009 2	Chapter 7 -8-3	Supplying & erecting water tight terminal box of 1.6 mm (16 gauge) CRCA sheet of size 300 x 200 x 150 mm complete on pole as per specification No. CB-SB	622.00	Each
14009 3	Chapter 7 -8-4	Supplying & erecting water tight terminal box of 1.6 mm (16 gauge) CRCA sheet of size 150 x 100 x 100 mm complete on pole as per specification No. CB-SB	290.00	Each
14009 4	Chapter 7 -8-5	Supplying & erecting water tight terminal box of cast iron of size 200 x 150 x 150 mm complete on pole as per specification No. CB-SB	548.00	Each
14009 5	Chapter 7 -8-6	Supplying & erecting water tight terminal box of cast iron of size 300 x 200 x 150 mm complete on pole as per specification No. CB-SB	648.00	Each
14009 6	Chapter 7 -8-7	Supplying & erecting water tight terminal box of cast iron of size 150 x 100 x 100 mm complete on pole as per specification No. CB-SB	467.00	Each
14009 7	Chapter 7 -8-8	Supplying & erecting FRP box of size 300mm x 200mm x 125 mm, 2.7 mm thick complete on pole/wall as per specification No. CB-SB	546.00	Each
14009 8	Chapter 7 -8-9	Supplying & erecting FRP box of size 250mm x 200mm x 100 mm, 2.7 mm thick complete on pole/wall as per specification No. CB-SB	501.00	Each
14009 9	Chapter 7 -8-10	Supplying & erecting FRP box of size 150mm x 125mm x 100 mm, 2.7 mm thick complete on pole/wall as per specification No. CB-SB	420.00	Each
Chapter 7 -9 Cable Lugs (Copper) (CB-CL/CU)				
14010 0	Chapter 7 -9-1	Supplying & erecting crimping type copper lugs for cable upto 16 sq mm complete as per specification No. CB-CL/CU	15.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
14010	Chapter 7 1 -9-2	Supplying & erecting crimping type copper lugs for cable 25 sq mm complete as per specification No. CB-CL/CU	20.00	Each
14010	Chapter 7 2 -9-3	Supplying & erecting crimping type copper lugs for cable 35 sq mm complete as per specification No. CB-CL/CU	24.00	Each
14010	Chapter 7 3 -9-4	Supplying & erecting crimping type copper lugs for cable 50 sq mm complete as per specification No. CB-CL/CU	28.00	Each
14010	Chapter 7 4 -9-5	Supplying & erecting crimping type copper lugs for cable 70 sq mm complete as per specification No. CB-CL/CU	39.00	Each
14010	Chapter 7 5 -9-6	Supplying & erecting crimping type copper lugs for cable 95 sq mm complete as per specification No. CB-CL/CU	51.00	Each
14010	Chapter 7 6 -9-7	Supplying & erecting crimping type copper lugs for cable 120 sq mm complete as per specification No. CB-CL/CU	70.00	Each
14010	Chapter 7 7 -9-8	Supplying & erecting crimping type copper lugs for cable 150 sq mm complete as per specification No. CB-CL/CU	90.00	Each
14010	Chapter 7 8 -9-9	Supplying & erecting crimping type copper lugs for cable 185 sq mm complete as per specification No. CB-CL/CU	125.00	Each
14010	Chapter 7 9 -9-10	Supplying & erecting crimping type copper lugs for cable 240 sq mm complete as per specification No. CB-CL/CU	176.00	Each
14011	Chapter 7 0 -9-11	Supplying & erecting crimping type copper lugs for cable 300 sq mm complete as per specification No. CB-CL/CU	238.00	Each
14011	Chapter 7 1 -9-12	Supplying & erecting crimping type copper lugs for cable 400 sq mm complete as per specification No. CB-CL/CU	351.00	Each
Chapter 7 -10 Cable Lugs (Aluminium) (CB-CL/AL)				
14011	Chapter 7 2 -10-1	Supplying & erecting crimping type aluminium lugs for cable upto 16 sq mm complete as per specification No. CB-CL/AL	6.00	Each
14011	Chapter 7 3 -10-2	Supplying & erecting crimping type aluminium lugs for cable 25 sq mm complete as per specification No. CB-CL/AL	6.00	Each
14011	Chapter 7 4 -10-3	Supplying & erecting crimping type aluminium lugs for cable 35 sq mm complete as per specification No. CB-CL/AL	12.00	Each
14011	Chapter 7 5 -10-4	Supplying & erecting crimping type aluminium lugs for cable 50 sq mm complete as per specification No. CB-CL/AL	13.00	Each
14011	Chapter 7 6 -10-5	Supplying & erecting crimping type aluminium lugs for cable 70 sq mm complete as per specification No. CB-CL/AL	17.00	Each
14011	Chapter 7 7 -10-6	Supplying & erecting crimping type aluminium lugs for cable 95 sq mm complete as per specification No. CB-CL/AL	17.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
14011	Chapter 7 8 -10-7	Supplying & erecting crimping type aluminium lugs for cable 120 sq mm complete as per specification No. CB-CL/AL	24.00	Each
14011	Chapter 7 9 -10-8	Supplying & erecting crimping type aluminium lugs for cable 150 sq mm complete as per specification No. CB-CL/AL	31.00	Each
14012	Chapter 7 0 -10-9	Supplying & erecting crimping type aluminium lugs for cable 185 sq mm complete as per specification No. CB-CL/AL	41.00	Each
14012	Chapter 7 1 -10-10	Supplying & erecting crimping type aluminium lugs for cable 240 sq mm complete as per specification No. CB-CL/AL	56.00	Each
14012	Chapter 7 2 -10-11	Supplying & erecting crimping type aluminium lugs for cable 300 sq mm complete as per specification No. CB-CL/AL	84.00	Each
14012	Chapter 7 3 -10-12	Supplying & erecting crimping type aluminium lugs for cable 400 sq mm complete as per specification No. CB-CL/AL	107.00	Each
Chapter 7 -11 Cable Tray (CB-CT)				
14012	Chapter 7 4 -11-1	Providing & erecting Hot dipped Galvanised Ladder type Cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 150 mm width & 100 mm height comprising all required standard accessories.	640.00	Meter
14012	Chapter 7 5 -11-2	Providing & erecting Hot dipped Galvanised Ladder type Cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 200 mm width & 100 mm height comprising all required standard accessories.	661.00	Meter
14012	Chapter 7 6 -11-3	Providing & erecting Hot dipped Galvanised Ladder type Cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 300 mm width & 100 mm height comprising all required standard accessories.	693.00	Meter
14012	Chapter 7 7 -11-4	Providing & erecting Hot dipped Galvanised Ladder type Cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 400 mm width & 100 mm height comprising all required standard accessories.	726.00	Meter
14012	Chapter 7 8 -11-5	Providing & erecting Hot dipped Galvanised Ladder type Cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 500 mm width & 100 mm height comprising all required standard accessories.	759.00	Meter
14012	Chapter 7 9 -11-6	Providing & erecting Hot dipped Galvanised Perforated type Cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 150 mm width & 75 mm height complete with necessary coupler plates & hardware in approved manner.	430.00	Meter

			Rate In (Rs)	
Item Description			Rate	Unit
14013 0	Chapter 7 -11-7	Providing & erecting Hot dipped Galvanised Perforated type Cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 200 mm width & 75 mm height complete with necessary coupler plates & hardware in approved manner.	488.00	Meter
14013 1	Chapter 7 -11-8	Providing & erecting Hot dipped Galvanised Perforated type Cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 300 mm width & 75 mm height complete with necessary coupler plates & hardware in approved manner.	604.00	Meter
14013 2	Chapter 7 -11-9	Providing & erecting Hot dipped Galvanised Perforated type Cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 400 mm width & 75 mm height complete with necessary coupler plates & hardware in approved manner.	721.00	Meter
14013 3	Chapter 7 -11-10	Providing & erecting Hot dipped Galvanised Perforated type Cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 500 mm width & 75 mm height complete with necessary coupler plates & hardware in approved manner.	837.00	Meter
14013 4	Chapter 7 -11-11	Providing & erecting Hot dipped Galvanised cover suitable for perforated type Cable tray manufactured from 18 swg (1.2 mm thick) GI sheet of 150 mm width & 20 mm height complete with necessary hardware in approved manner.	198.00	Meter
14013 5	Chapter 7 -11-12	Providing & erecting Hot dipped Galvanised cover suitable for perforated type Cable tray manufactured from 18 swg (1.2 mm thick) GI sheet of 200 mm width & 20 mm height complete with necessary hardware in approved manner.	242.00	Meter
14013 6	Chapter 7 -11-13	Providing & erecting Hot dipped Galvanised cover suitable for perforated type Cable tray manufactured from 18 swg (1.2 mm thick) GI sheet of 300 mm width & 20 mm height complete with necessary hardware in approved manner.	330.00	Meter
14013 7	Chapter 7 -11-14	Providing & erecting Hot dipped Galvanised cover suitable for perforated type Cable tray manufactured from 18 swg (1.2 mm thick) GI sheet of 400 mm width & 20 mm height complete with necessary hardware in approved manner.	419.00	Meter
14013 8	Chapter 7 -11-15	Providing & erecting Hot dipped Galvanised cover suitable for perforated type Cable tray manufactured from 18 swg (1.2 mm thick) GI sheet of 500 mm width & 20 mm height complete with necessary hardware in approved manner.	506.00	Meter
Chapter 7 -12 Dismantling				
14013 9	Chapter 7 -12-1	Dismantling the existing cables of all types & size upto 10 sq mm.	12.00	Meter

		Rate In (Rs)	
Item Description		Rate	Unit
14014 Chapter 7 0 -12-2	Dismantling the existing cables of all types & size above 10 sq mm upto 50 sq.mm.	18.00	Meter
14014 Chapter 7 1 -12-3	Dismantling the existing cables of all types & size above 50 sq mm.	24.00	Meter
14014 Chapter 7 2 -12-4	Refilling the holes for dismantled cables with cement mortar & finishing in an aproved manner etc. complete	45.00	Meter
14014 Chapter 7 3 -12-5	Dismantling the existing underground cable without damaging it with glands, cable end box including refilling the trench up to ground level and making coils complete.	74.00	Meter

Specification:

Chapter Name Over Head Systems (OH)

		Rate In (Rs)	
Item Description		Rate	Unit
Chapter 8-1	Steel Poles (OH-PL)		
14014 Chapter 8-1-1 4	Supplying and erecting steel tubular swaged pole 139.7 x 114.3 x 88.9 mm. dia with 4.5x3.65x3.25 mm thickness (4.5 + 1.75 + 1.75 m) length respectively and total 8 m long with pole cap, base plate in provided foundation.(weight 101 kg.) as per specification No. OH-PL/STP	7,867.00	Each
14014 Chapter 8-1-2 5	Supplying and erecting steel tubular swaged pole 139.7 x 114.3 x 88.9 mm. dia with 4.5x3.65x3.25 mm thickness (5 + 1.75 + 1.75 m) length respectively and total 8.5 m long with pole cap, base plate in provided foundation.(weight 109 kg.) as per specification No. OH-PL/STP	8,712.00	Each
14014 Chapter 8-1-3 6	Supplying and erecting steel tubular swaged pole 165.1 x 139.7 x 114.3 mm. dia with 4.5 x 4.5 x 3.65 mm thickness (5 + 2 + 2 m) length respectively and total 9 m long with pole cap, base plate in provided foundation (weight 147 kg) as per specification No. OH-PL/STP	11,277.00	Each
14014 Chapter 8-1-4 7	Supplying and erecting steel tubular swaged pole 165.1 x 139.7 x 114.3 mm dia with 4.5 x 4.5 x 3.65 mm. thickness (5 + 2.5 + 2.5 m) length respectively and total 10 m long with pole cap, base plate in provided foundation (weight 160 kg) as per specification No. OH-PL/STP	11,981.00	Each
14014 Chapter 8-1-5 8	Supplying and erecting steel tubular swaged pole 165.1 x 139.7 x 114.3 mm dia. with 4.5 x4.5 x3.65 mm thickness (5.60 + 2.7 + 2.7 m) length total 11 m long with pole cap, base plate in provided foundation (weight 175 kg.) as per specification No. OH-PL/STP	13,335.00	Each
14014 Chapter 8-1-6 9	Supplying and erecting steel tubular swaged pole 165.1 x 139.7 x 114.3 mm dia. with 5.4 x 4.5 x 3.65 mm. thickness (5.8 + 3.1 + 3.1 mtr) length total 12 m long with pole cap, base plate in provided foundation (weight 208 kg.) as per specification No. OH-PL/STP	16,010.00	Each
14015 Chapter 8-1-7 0	Supplying and erecting Rolled steel Joist (Girder) pole 150 x 80 mm/150 x75 mm (14.9 kg /m) with provided base plate in provided foundation as per specification No. OH-PL/RSJ	864.00	Meter
14015 Chapter 8-1-8 1	Supplying and erecting Rolled steel Joist (Girder) pole 200 x 100 mm. (25.9 kg/m) with provided base plate in provided foundation as per specification No. OH-PL/RSJ	1,381.00	Meter

		Rate In (Rs)	
Item Description		Rate	Unit
14015 Chapter 8-1-9 2	Supplying and erecting Rolled steel Joist (Girder) pole 175 x 85 mm (19.6 kg/m) with provided base plate in provided foundation as per specification No. OH-PL/RSJ	1,080.00	Meter
14015 Chapter 8-1-10 3	Supplying and erecting Rolled steel Joist (Girder) pole 100 x 116 mm (23 kg/m) with provided base plate in provided foundation as per specification No. OH-PL/RSJ	1,246.00	Meter
14015 Chapter 8-1-11 4	Supplying and erecting Rolled steel Joist (Girder) pole 125 x 70 mm (13.3 kg/m) with provided base plate in provided foundation as per specification No. OH-PL/RSJ	790.00	Meter
14015 Chapter 8-1-12 5	Supplying and erecting Rolled steel Joist (Girder) pole 152 x 152 mm (37.1 kg/m) with provided base plate in provided foundation as per specification No. OH-PL/RSJ	1,903.00	Meter
14015 Chapter 8-1-13 6	Supplying and erecting Rail pole (29.76 kg/m) with provided base plate in provided foundation as per specification No. OH-PL/RLP	1,537.00	Meter
14015 Chapter 8-1-14 7	Supplying and erecting ISI mark G.I. pipe pole 'B' grade 80 mm dia 6 m long with pole cap, base plate in provided foundation as per specification No. OH-PL/GIP	4,356.00	Each
14015 Chapter 8-1-15 8	Supplying and erecting M.S. pipe pole 'B' grade 80 mm dia 6 m long with pole cap, base plate in provided foundation as per specification No. OH-PL/GIP	4,363.00	Each
14015 Chapter 8-1-16 9	Supplying and erecting steel tubular swaged type welded pole with upper portion hydraulically bent swan neck, 165.1 x 139.7 x 114.3 mm dia with 4.5 x 4.50 x 3.65 mm thickness (5 + 2 + 3 m) respectively (net vertical height 9 m.) total length 10 m long with base plate in provided foundation.(weight 156.75 kg) as per specification No. OH-PL/STP	14,772.00	Each
14016 Chapter 8-1-17 0	Supplying and erecting steel tubular swaged type welded pole with upper portion bent swan neck, 165.1 x 139.7 x 114.3 mm dia. with 4.5 x 4.5 x 3.65 mm thickness (5.6 + 2.7 + 2.7 m) respectively total 11 m long with base plate in provided foundation.(weight 175 kg) as per specification No.OH-PL/STP	15,114.00	Each
Chapter 8-2 PSC Poles(OH-PSC)			
14016 Chapter 8-2-1 1	Supplying and erecting PSC rectangular pole of top 90 x 102 / 105 mm & bottom of 90 x 275 mm 8 m long (140 kg) complete erected in provided C. C. foundation & muffing (square/round) as per specification No. OH-PL/PSC	2,669.00	Each
14016 Chapter 8-2-2 2	Supplying and erecting PSC rectangular pole of top 105 x 115 mm & bottom of 105 x 315 mm 9 m long (200 kg) complete	3,256.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
erected in provided C. C. foundation & muffing (square/round) as per specification No. OH-PL/PSC			
Chapter 8-3	Hot Dipped Galvanized Poles & High Mast (OH-HM)		
14016 Chapter 8-3-1 3	Supplying and erecting 12.5 m (clear height) High Mast (Top-150mm, Bottom- 360mm) with lowering and raising motorized unit, lantern carriage assembly suitable for max. 6 nos. luminaries and its control gear box, lightning finial, arrangement for fixing aviation light and foundation bolts on provided foundation as per specification No. OH-PL/HM (excluding luminaries and CG Boxes.)	1,93,809.00	Per Set
14016 Chapter 8-3-2 4	Supplying and erecting 16 m (clear height) High Mast (Top-150mm, Bottom- 360mm) with lowering and raising motorized unit, lantern carriage assembly suitable for max. 8 nos. luminaries and its control gear box, lightning finial, arrangement for fixing aviation light and foundation bolts on provided foundation as per specification No. OH-PL/HM (excluding luminaries and CG Boxes).	2,11,409.00	Per Set
14016 Chapter 8-3-3 5	Supplying and erecting 16 m (clear height) High Mast (Top-150 mm, Bottom- 410mm) with lowering and raising motorized unit, lantern carriage assembly suitable for max. 12 nos. luminaries and its control gear box, lightning finial, arrangement for fixing aviation light and foundation bolts on provided foundation as per specification No. OH-PL/HM (excluding luminaries and CG Boxes).	2,33,250.00	Per Set
14016 Chapter 8-3-4 6	Supplying and erecting 20 m (clear height) High Mast (Top-150mm, Bottom- 410mm) with lowering and raising motorized unit, lantern carriage assembly suitable for max. 8 nos. luminaries and its control gear box, lightning finial, arrangement for fixing aviation light and foundation bolts on provided foundation as per specification No. OH-PL/HM (excluding luminaries and CG Boxes).	2,77,580.00	Per Set
14016 Chapter 8-3-5 7	Supplying and erecting 20 m (clear height) High Mast (Top-150mm, Bottom- 460mm) with lowering and raising motorized unit, lantern carriage assembly suitable for max. 12 nos. luminaries and its control gear box, lightning finial, arrangement for fixing aviation light and foundation bolts on provided foundation as per specification No. OH-PL/HM (excluding luminaries and CG Boxes).	3,10,151.00	Per Set
14016 Chapter 8-3-6 8	Supplying and erecting 25 m (clear height) High Mast (Top-150mm, Bottom- 540mm) with lowering and raising motorized unit, lantern carriage assembly suitable for max. 12 nos. luminaries and its control gear box, lightning finial, arrangement for fixing aviation light and foundation bolts on	3,53,068.00	Per Set

		Rate In (Rs)	
Item Description		Rate	Unit
	provided foundation as per specification No. OH-PL/HM (excluding luminaries and CG Boxes).		
14016 Chapter 8-3-7 9	Supplying and erecting 25 m (clear height) High Mast (Top-200mm, Bottom- 560 mm) with lowering and raising motorized unit, lantern carriage assembly suitable for max. 16 nos. luminaries and its control gear box, lightning finial, arrangement for fixing aviation light and foundation bolts on provided foundation as per specification No. OH-PL/HM (excluding luminaries and CG Boxes).	4,08,484.00	Per Set
14017 Chapter 8-3-8 0	Supply and erecting 9m (clear height) Fixed type High Mast (Top-100mm, Bottom- 200mm) with hexagonal/round bracket and foundation bolts suitable for max. 4nos floodlight fixtures on provided foundation as per specification no. OH-PL/OPL (excluding luminaries).	28,822.00	Per Set
14017 Chapter 8-3-9 1	Supply and erecting 12.5m (clear height) Fixed type High Mast (Top-110mm, Bottom- 242 mm) with hexagonal/round bracket and foundation bolts suitable for max. 6 nos floodlight fixtures on provided foundation as per specification no.OH-PL/OPL (excluding luminaries)	49,986.00	Per Set
Chapter 8-3-10 Hot Dipped Galvanized OCTAGONAL Poles			
14017 Chapter 2 8-3-10-1	Providing & erecting 3 m high (clear height) galvanised OCTAGONAL pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation as per specification No. OH-PL/OPL	9,149.00	Each
14017 Chapter 3 8-3-10-2	Providing & erecting 4 m high (clear height) galvanised OCTAGONAL pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation as per specification No.OH-PL/OPL	10,129.00	Each
14017 Chapter 4 8-3-10-3	Providing & erecting 5 m high (clear height) galvanised OCTAGONAL pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation as per specification No.OH-PL/OPL.	11,048.00	Each
14017 Chapter 5 8-3-10-4	Providing & erecting 6 m high (clear height) galvanised OCTAGONAL pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation as per specification No. OH-PL/OPL	12,303.00	Each
14017 Chapter 6 8-3-10-5	Providing & erecting 7 m high (clear height) galvanised OCTAGONAL pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation as per specification No.OH-PL/OPL.	14,186.00	Each

		Rate In (Rs)	
		Rate	Unit
Item Description			
14017 Chapter 7 8-3-10-6	Providing & erecting 8 m high (clear height) galvanised OCTAGONAL pole with foundation bolts having bottom of 135 mm A/F, top 70 mm A/F on provided foundation as per specification No.OH-PL/OPL	16,147.00	Each
14017 Chapter 8 8-3-10-7	Providing & erecting 9 m high (clear height) galvanised OCTAGONAL pole with foundation bolts having bottom of 155 mm A/F, top 70 mm A/F on provided foundation as per specification No.OH-PL/OPL	18,170.00	Each
14017 Chapter 9 8-3-10-8	Providing & erecting 10 m high (clear height) galvanised OCTAGONAL pole with foundation bolts having bottom of 175 mm A/F, top 70 mm A/F on provided foundation as per specification No.OH-PL/OPL	20,553.00	Each
14018 Chapter 0 8-3-10-9	Providing & erecting 11 m high (clear height) galvanised OCTAGONAL pole with foundation bolts having bottom of 210 mm A/F, top 90 mm A/F on provided foundation as per specification No.OH-PL/OPL	25,137.00	Each
14018 Chapter 1 8-3-10-10	Providing & erecting 12 m high (clear height) galvanised OCTAGONAL pole with foundation bolts having bottom of 240 mm A/F, top 90 mm A/F on provided foundation as per specification No. OH-PL/OPL	28,846.00	Each
Chapter 8-3-11 Hot Dipped Galvanized CONICAL Poles			
14018 Chapter 2 8-3-11-1	Providing & erecting 3 m high galvanised CONICAL pole with foundation bolts having bottom dia. from 105 to 115 mm, top dia. from 65 to 75 mm on provided foundation as per specification No. OH-PL/CPL	10,519.00	Each
14018 Chapter 3 8-3-11-2	Providing & erecting 4 m high galvanised CONICAL pole with foundation bolts having bottom dia. from 115 to 130 mm, top dia. from 65 to 75 mm on provided foundation as per specification No. OH-PL/CPL	12,162.00	Each
14018 Chapter 4 8-3-11-3	Providing & erecting 5 m high galvanised CONICAL pole with foundation bolts having bottom dia. from 125 to 145 mm, top dia. from 65 to 75 mm on provided foundation as per specification No. OH-PL/CPL	13,252.00	Each
14018 Chapter 5 8-3-11-4	Providing & erecting 6 m high galvanised CONICAL pole with foundation bolts having bottom dia. from 135 to 160 mm, top dia. from 65 to 75 mm on provided foundation as per specification No. OH-PL/CPL.	14,814.00	Each
14018 Chapter 6 8-3-11-5	Providing & erecting 7 m high galvanised CONICAL pole with foundation bolts having bottom dia. 145 to 175 mm, top dia. 65 to	16,856.00	Each

		Rate In (Rs)	
		Rate	Unit
	75 mm on provided foundation as per specification No. OH-PL/CPL		
14018 Chapter 7 8-3-11-6	Providing & erecting 8 m high galvanised CONICAL pole with foundation bolts having bottom dia. from 155 to 190 mm, top dia. from 65 to 75 mm on provided foundation as per specification No. OH-PL/CPL.	18,775.00	Each
14018 Chapter 8 8-3-11-7	Providing & erecting 9 m high galvanised CONICAL pole with foundation bolts having bottom dia. from 165 to 200 mm, top dia. from 65 to 75 mm on provided foundation as per specification No. OH-PL/CPL	21,828.00	Each
14018 Chapter 9 8-3-11-8	Providing & erecting 10 m high galvanised CONICAL pole with foundation bolts having bottom dia. from 175 to 200 mm, top dia. from 65 to 75 mm on provided foundation as per specification No. OH-PL/CPL	24,735.00	Each
14019 Chapter 0 8-3-11-9	Providing & erecting 11 m high galvanised CONICAL pole with foundation bolts having bottom dia. from 195 to 245 mm, top dia. from 70 to 85 mm on provided foundation as per specification No. OH-PL/CPL	30,186.00	Each
14019 Chapter 1 8-3-11-10	Providing & erecting 12 m high galvanised CONICAL pole with foundation bolts having bottom dia. from 216 to 260 mm, top dia. from 80 to 96 mm on provided foundation as per specification No. OH-PL/CPL	34,754.00	Each
14019 Chapter 2 8-3-11-11	Providing and erecting Galvanised 1000mm single arm sword type bracket with FRP dome and ball as per specification No. OH-PL/PBKT	2,154.00	Each
14019 Chapter 3 8-3-11-12	Providing and erecting Galvanised 1000mm double arm sword type bracket with FRP dome and ball as per specification No. OH-PL/PBKT	3,535.00	Each
Chapter 8-3-12 Highmast Control Panels			
14019 Chapter 4 8-3-12-1	Supplying and erecting Outdoor Stand Mounted Feeder Pillar for highmast of the same manufacturer with 32A TPN MCB incomer, single dial timer switch, 25 A TP contactor for automatic switching of luminaries, 2 no 9A contactors and raise/lower push button, and provision for termination of Incoming minimum 35 sq. mm and outgoing minimum 16 & 2.5 sq. mm cables complete erected in min. 14 guage CRCA sheet box with supporting angles, self lock, gasket and slanting top erected on CC foundation in an approved manner.	24,060.00	Per Job
14019 Chapter 5 8-3-12-2	Supplying and erecting Outdoor Stand Mounted Feeder Pillar for highmast of the same manufacturer with 63A TPN MCB incomer, single dial timer switch, 45 A TP contactor for automatic switching	26,698.00	Per Job

		Rate In (Rs)	
Item Description		Rate	Unit
of luminaries, 2 no 9A contactors and raise/lower push button, and provision for termination of Incoming minimum 35 sq. mm and outgoing minimum 16 & 2.5 sq. mm cables complete erected in min. 14 guage CRCA sheet box powder coated with supporting angles, self lock, gasket and slanting top erected on CC foundation in an approved manner.			
Chapter 8-4	Brackets (OH-BKT)		
14019 Chapter 8-4-1 6	Supplying MS pole bracket for guarding, fabricated from angle iron 50x50x6 mm and 550 mm long for 2 insulators, and erecting on pole with 50x6mm clamp complete as per specification No. OH-PL/BKT	343.00	Each
14019 Chapter 8-4-2 7	Supplying MS pole bracket for guarding, fabricated from angle iron 50x50x6 mm and 1100mm long for 4 insulators, and erecting on pole with 50x6mm clamp complete as per specification No. OH-PL/BKT	458.00	Each
14019 Chapter 8-4-3 8	Supplying MS pole bracket, for guarding fabricated from ISMC Channel 75x40x 6.8 mm and 550 mm long for 2 insulators and erecting on pole with 50x6mm clamp complete as per specification No. OH-PL/BKT	380.00	Each
14019 Chapter 8-4-4 9	Supplying MS pole bracket, for guarding fabricated from ISMC Channel 75x40x 6.8 mm and 1100 mm long for 5 insulators and erecting on pole with 50x6mm clamp as per approved method of construction and complete as per specification No. OH-PL/BKT	651.00	Each
14020 Chapter 8-4-5 0	Supplying MS pole bracket for OH conductor fabricated from 65x65x6 mm section, 550 mm long for 2 insulators and erecting on pole with 50x6 mm clamp as per approved method of construction and complete as per specification No. OH-PL/BKT	384.00	Each
14020 Chapter 8-4-6 1	Supplying MS pole bracket for OH conductor fabricated from 65x65x6 mm section, 1100 mm long for 4 insulators and erecting on pole with 50x6 mm clamp as per approved method of construction and complete as per specification No. OH-PL/BKT	657.00	Each
14020 Chapter 8-4-7 2	Supplying pole bracket, for OH conductor fabricated from ISMC channel, 75x40x6.8 mm 550mm long for 2 insulators and erecting on pole with 50x6 mm clamp as per approved method of construction and complete as per specification No. OH-PL/BKT	350.00	Each
14020 Chapter 8-4-8 3	Supplying pole bracket, for OH conductor fabricated from ISMC channel, 75x40x6.8 mm 1100mm long for 4 insulators and erecting on pole with 50x6 mm clamp as per approved method of construction and complete as per specification No. OH-PL/BKT	651.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
14020 Chapter 8-4-9 4	Supplying pole bracket,for OH conductor fabricated from ISMC channel, 75x40x6.8 mm, 550 mm long for two insulators and welded with extension channel pieces of same size 300 mm in length and erecting on pole with 50x6 mm clamp as per approved method of construction and complete as per specification No. OH-PL/BKT	477.00	Each
14020 Chapter 8-4-10 5	Supplying pole bracket, fabricated from ISMC channel, 75x40x6.8 mm, 1100 mm long for 4 insulators and welded with extension channel pieces of same size 300 mm. in length and erecting on pole with 50x6 mm clamp as per approved method of construction and complete as per specification No. OH-PL/BKT	665.00	Each
14020 Chapter 8-4-11 6	Supplying 100 x 50 mm with 4.7 mm thick web and 7.5 mm thick flange channel iron cross arm of suitable length for 2.4m wide DP structure and erecting on DP with 50x6 mm clamp as per approved method of construction and complete as per specification No. OH-PL/BKT.	1,751.00	Each
14020 Chapter 8-4-12 7	Supplying and erecting Vee cross arm for 11kV HTOH line with arrangement to fix insulator at 45mm from the end & horizontal distance between insulators 1220 mm bent at angle of 60 degree keeping base 305 mm and the total vertical height of V cross arm as 460mm, and fixed on pole with MS clamp of 80x10 mm, nut bolts,washers complete as per specification No. OH-PL/VCA	1,609.00	Each
14020 Chapter 8-4-13 8	Supplying and erecting Vee cross arm for 22/ 33kV HTOH line with arrangement to fix insulator at 45mm from the end & horizontal distance between insulators 1530 mm bent at angle of 60 degree keeping base 310 mm and the total vertical height of V cross arm as 460mm, and fixed on pole with MS clamp of 80x10 mm, nut bolts,washers complete as per specification No. OH-PL/VCA	2,171.00	Each
14020 Chapter 8-4-14 9	Supplying and erecting 75x40 mm with 4.4 mm thick web and 7.3 mm thick flange channel (top pin) with clamp of suitable length so as to maintain vertical clearance of 1065 mm for 11 kV,1320 mm for 22 kV between insulators for erection of top pin insulators complete as per specification No. OH-PL/VCA	451.00	Each
14021 Chapter 8-4-15 0	Supplying and erecting bracket for guarding, made from channel iron 1600 mm in length and 75x40 mm. with 4.4 mm. thick web and 7.3 mm thick flange erected on pole complete as per specification no. OH-PL/VCA	890.00	Each
14021 Chapter 8-4-16 1	Supplying and erecting bracket for guarding, made from channel iron 1600 mm in length and 65 x 65 x 6mm thick web and 7.3 mm thick flange erected on pole as per specification no. OH-PL/VCA	806.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
Chapter 8-4-17 D. P. Structure			
14021 2	Chapter 8-4-17-1	Supplying & erecting single pole cut point channel set of for 11 kV HTOH line, two channel of size 100 x 50 mm 1.6 m long having stud angle of size 50 x 50 x 6 mm 1.5 m long with top piece of size 100 x 50 mm 0.45 m long with necessary clamps, nut bolts etc. complete as per drawing.	4,051.00 Each
14021 3	Chapter 8-4-17-2	Supplying & erecting inline D. P. Structure for 11/0.415 kV, 63 kVA Transformer with R.S.J. Pole 2 Nos. of size 100 x 116 mm x 11 m Long with suitable Distribution Box of C.R.C.A. Sheet 16 SWG (size 4 m2.) with 4 Pole MCCB 100 Amps as incomer & 6 Nos. 63 Amps Kitkat for outing circuits. Transformer D.P. Structure includes the A. B. Switch 200 Amps, D.O. fuse Set & L.A. Set. 2 Nos. Top channel of size 100 mmx 50 mm for erection of A.B. Switch & 2 Nos. Base channel of size 100 mm x 50 mm for erecting Transformer. Channel of size 75 x 40 mm for erecting D.O. Fuse Set, L.A., A.B. Switch handle etc. Angle of size 50 x 50 x 6 mm for erecting Distribution Box, Transformer Belt etc. as per drawing (min. 124 Kg. iron work) with necessary clamps, Nut-bolts. Vee cross arm, top clip, insulators etc. complete with caution board & barbed wire D.P. Structure shall be erected in c.c. foundation complete.	1,00,310.00 Each
14021 4	Chapter 8-4-17-3	Supplying & erecting inline D. P. Structure for 11/0.415 kV, 100 kVA Transformer with R.S.J. Pole 2 Nos. of size 100 x 116 mm x 11 Mtr. Long with suitable Distribution Box of C.R.C.A. Sheet 16 SWG (size 4 SqMtr.) with 4 Pole MCCB 200 Amps as incomer & 6 Nos. 100 Amps Kitkat for outing circuits. Transformer D.P. Structure includes the A. B. Switch 200 Amps, D.O. fuse Set & L.A. Set. 2 Nos. Top channel of size 100 mmx 50 mm for erection of A.B. Switch & 2 Nos. Base channel of size 100 mm x 50 x mm for erecting Transformer. Channel of size 75 x 40 mm for erecting D.O. Fuse Set, L.A., A.B. Switch handle etc. Angle of size 50 x 50 x 6 mm for erecting Distribution Box , Transformer Belt etc. as per drawing (min. 124 Kg. iron work) with necessary clamps, Nut-bolts. Vee cross arm, top clip, insulators etc. complete with caution board & barbed wire. D.P. Structure shall be erected in c.c. foundation complete.	1,11,655.00 Each
14021 5	Chapter 8-4-17-4	Supplying & erecting inline D. P. Structure for 11/0.415 kV, 200 kVA Transformer with R.S.J. Pole 2 Nos. of size 100 x 116 mm x 11 Mtr. Long with suitable Distribution Box of C.R.C.A. Sheet 16 SWG (size 4 SqMtr.) with 4 Pole MCCB 300 Amps as incomer & 6 Nos. 100 Amps Kitkat for outing circuits. Transformer D.P. Structure includes the A. B. Switch 200 Amps, D.O. fuse Set & L.A.	1,29,609.00 Each

		Rate In (Rs)	
Item Description		Rate	Unit
	Set. 2 Nos.Top channel of size 100 mmx 50 mm for erection of A.B. Switch & 2 Nos. Base channel of size 100 mm x 50 x mm for erecting Transformer. Channel of size 75 x40 mm for erecting D.O. Fuse Set, L.A., A.B. Switch handle etc.Angle of size 50 x 50 x6 mm for erecting Distribution Box , Transformer Belt etc.as per drawing (min. 124 Kg. iron work) with necessary clamps, Nut-bolts. Vee cross arm, top clip, insulators etc. complete with caution board & barbed wire.D.P. Structure shall be erected in c.c. foundation complete.		
14021 Chapter 6 8-4-17-5	Supplying & erecting inline cut point end pole D. P. Structure for 11/0.415 kV, 63 kVA Transformer with R.S.J. Pole 2 Nos. of size 100 x 116 mm x 11 Mtr. Long with suitable Distribution Box of C.R.C.A. Sheet 16 SWG (size 4 SqMtr.) with 4 Pole MCCB 100 Amps as incomer & 6 Nos. 63 Amps Kitkat for outing circuits. Transformer D.P. Structure includes the A. B. Switch 200 Amps, D.O. fuse Set & L.A. Set. 2 Nos.Top channel of size 100 mmx 50 mm for erection of A.B. Switch & 2 Nos. Base channel of size 100 mm x 50 x mm for erecting Transformer. Channel of size 75 x40 mm for erecting D.O. Fuse Set, L.A., A.B. Switch handle etc.Angle of size 50 x 50 x6 mm for erecting Distribution Box , Transformer Belt etc.as per drawing(min. 176 Kg. iron work) with necessary clamps, Nut-bolts. Vee cross arm, top clip, insulators etc. complete with caution board & barbed wire.D.P. Structure shall be erected in c.c. foundation complete.	1,05,557.00	Each
14021 Chapter 7 8-4-17-6	Supplying & erecting inline cut point end pole D. P. Structure for 11/0.415 kV, 100 kVA Transformer with R.S.J. Pole 2 Nos. of size 100 x 116 mm x 11 Mtr. Long with suitable Distribution Box of C.R.C.A. Sheet 16 SWG (size 4 SqMtr.) with 4 Pole MCCB 200 Amps as incomer & 6 Nos.100 Amps Kitkat for outing circuits. Transformer D.P. Structure includes the A. B. Switch 200 Amps, D.O. fuse Set & L.A. Set. 2 Nos.Top channel of size 100 mmx 50 mm for erection of A.B. Switch & 2 Nos. Base channel of size 100 mm x 50 x mm for erecting Transformer. Channel of size 75 x40 mm for erecting D.O. Fuse Set, L.A., A.B. Switch handle etc.Angle of size 50 x 50 x6 mm for erecting Distribution Box , Transformer Belt etc.as per drawing(min. 176 Kg. iron work) with necessary clamps, Nut-bolts. Vee cross arm, top clip, insulators etc. complete with caution board & barbed wire.D.P. Structure shall be erected in c.c. foundation complete.	1,16,420.00	Each
14021 Chapter 8 8-4-17-7	Supplying & erecting inline cut point end pole D. P. Structure for 11/0.415 kV, 200 KVA Transformer with R.S.J. Pole 2 Nos. of size 100 x 116 mm x 11 Mtr. Long with suitable Distribution Box of C.R.C.A. Sheet 16 SWG (size 4 SqMtr.) with 4 Pole MCCB 300	1,32,999.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14021	Chapter 9 8-4-17-8	1,02,534.00	Each
<p>Amps as incomer & 6 Nos. 63 Amps Kitkat for outing circuits. Transformer D.P. Structure includes the A. B. Switch 200 Amps, D.O. fuse Set & L.A. Set. 2 Nos. Top channel of size 100 mmx 50 mm for erection of A.B. Switch & 2 Nos. Base channel of size 100 mm x 50 x mm for erecting Transformer. Channel of size 75 x40 mm for erecting D.O. Fuse Set, L.A., A.B. Switch handle etc. Angle of size 50 x 50 x6 mm for erecting Distribution Box , Transformer Belt etc.as per drawing (min.176 Kg. iron work) with necessary clamps, Nut-bolts. Vee cross arm, top clip, insulators etc. complete with caution board & barbed wire. D.P. Structure shall be erected in c.c. foundation complete.</p> <p>Supplying & erecting end pole D. P. Structure for 11/0.415 kV, 63 kVA Transformer with R.S.J. Pole 2 Nos. of size 100 x 116 mm x 11 Mtr. Long with suitable Distribution Box of C.R.C.A. Sheet 16 SWG (size 4 SqMtr.) with 4 Pole MCCB 100 Amps as incomer & 6 Nos. 63 Amps Kitkat for outing circuits. Transformer D.P. Structure includes the A. B. Switch 200 Amps, D.O. fuse Set & L.A. Set. 2 Nos. Top channel of size 100 mmx 50 mm for erection of A.B. Switch & 2 Nos. Base channel of size 100 mm x 50 x mm for erecting Transformer. Channel of size 75 x40 mm for erecting D.O. Fuse Set, L.A., A.B. Switch handle etc. Angle of size 50 x 50 x6 mm for erecting Distribution Box , Transformer Belt etc.as per drawing (min. 124 Kg. iron work) with necessary clamps, Nut-bolts. Vee cross arm, top clip, insulators etc. complete with caution board & barbed wire. D.P. Structure shall be erected in c.c. foundation complete.</p>			
14022	Chapter 0 8-4-17-9	1,12,021.00	Each
<p>Supplying & erecting end pole D. P. Structure for 11/0.415 kV, 100 kVA Transformer with R.S.J. Pole 2 Nos. of size 100 x 116 mm x 11 Mtr. Long with suitable Distribution Box of C.R.C.A. Sheet 16 SWG (size 4 SqMtr.) with 4 Pole MCCB 200 Amps as incomer & 6 Nos. 100 Amps Kitkat for outing circuits. Transformer D.P. Structure includes the A. B. Switch 200 Amps, D.O. fuse Set & L.A. Set. 2 Nos. Top channel of size 100 mmx 50 mm for erection of A.B. Switch & 2 Nos. Base channel of size 100 mm x 50 x mm for erecting Transformer. Channel of size 75 x40 mm for erecting D.O. Fuse Set, L.A., A.B. Switch handle etc. Angle of size 50 x 50 x6 mm for erecting Distribution Box , Transformer Belt etc.as per drawing (min. 124 Kg. iron work) with necessary clamps, Nut-bolts. Vee cross arm, top clip, insulators etc. complete with caution board & barbed wire. D.P. Structure shall be erected in c.c. foundation complete.</p>			
14022	Chapter 1 8-4-17-10	1,29,976.00	Each
<p>Supplying & erecting end pole D. P. Structure for 11/0.415 kV, 200 kVA Transformer with R.S.J. Pole 2 Nos. of size 100mm x 116</p>			

		Rate In (Rs)	
Item Description		Rate	Unit
	mm x 11 m Long with suitable Distribution Box of C.R.C.A. Sheet 16 SWG (size 4 m2) with 4 Pole MCCB 300 Amps as incomer & 6 Nos.100 Amps Kitkat for outing circuits. Transformer D.P. Structure includes the A. B. Switch 200 Amps, D.O. fuse Set & L.A. Set. 2 Nos.Top channel of size 100 mmx 50 mm for erection of A.B. Switch & 2 Nos. Base channel of size 100 mm x 50 x mm for erecting Transformer. Channel of size 75 x40 mm for erecting D.O. Fuse Set, L.A., A.B. Switch handle etc.Angle of size 50 x 50 x6 mm for erecting Distribution Box , Transformer Belt etc.as per drawing (min. 124 Kg. iron work) with necessary clamps, Nut-bolts. Vee cross arm, top clip, insulators etc. complete with caution board & barbed wire.D.P. Structure shall be erected in c.c. foundation complete.		
Chapter 8-5	Conductors (OH-CON)		
14022 Chapter 8-5-1 2	Supplying and erecting all aluminium stranded conductors 7/1.96 mm complete.(Rose) (58 kg/km) as per specification No. OH-CON/AAC	12,818.00	KM
14022 Chapter 8-5-2 3	Supplying and erecting all aluminium stranded conductors 7/2.21 mm.complete. (Gnat) (73.77kg/km) as per specification No. OH-CON/AAC	21,782.00	KM
14022 Chapter 8-5-3 4	Supplying and erecting all aluminium stranded conductors 7/2.48 mm.complete. (Iris) (91.8 kg/km) as per specification no. OH-CON/AAC	19,810.00	KM
14022 Chapter 8-5-4 5	Supplying and erecting all aluminium stranded conductors 7/2.78 mm.complete. (Pansy) (115.8 kg/km) as per specification No. OH-CON/AAC	25,201.00	KM
14022 Chapter 8-5-5 6	Supplying and erecting all aluminium stranded conductors 7/3.10 mm. complete. (Ant.) (145.0 kg/km) as per specification No. OH-CON/AAC	30,709.00	KM
14022 Chapter 8-5-6 7	Supplying and erecting ACSR conductor of size 6/1-2.11 mm complete. (squirrel) (85kg/km) as per specification No. OH-CON/ACSR	16,106.00	KM
14022 Chapter 8-5-7 8	Supplying and erecting ACSR conductor of size 6/1-2.59 mm complete. (Weasel) (127.7 kg/km) as per specification No. OH-CON/ACSR	20,631.00	KM
14022 Chapter 8-5-8 9	Supplying and erecting ACSR conductor of size 6/1-3.60 mm complete. (Ferret) (171.3 kg/km) as per specification No. OH-CON/ACSR	32,214.00	KM
14023 Chapter 8-5-9 0	Supplying and erecting ACSR conductor of size 6/1-3.66 mm complete.(Mink) (255 kg/km) as per specification No.	49,800.00	KM

		Rate In (Rs)	
	Item Description	Rate	Unit
	OH-CON/ACSR		
14023 Chapter 8-5-10	1 Supplying and erecting ACSR conductor of size - 6/1-4.09 mm (Raccon) complete. (318.00 kg/km) as per specification No. OH-CON/ACSR	61,993.00	KM
14023 Chapter 8-5-11	2 Supplying and erecting ACSR conductor of size - 6/1-4.72 mm (Dog) complete. (394.00 kg/km) as per specification No. OH-CON/ACSR	76,347.00	KM
14023 Chapter 8-5-12	3 Supplying and erecting hard drawn G.I. wire 8 SWG complete erected for overhead line with proper size of G.I. wire for binding with jumpering etc.	7,299.00	KM
	Chapter 8-6 Insulators (OH-INS)		
14023 Chapter 8-6-1	4 Supplying and erecting pin type LT medium insulator 100 mm x 62 mm dia. with suitable G.I. spindle, nut, bolts complete erected.	63.00	Each
14023 Chapter 8-6-2	5 Supplying and erecting porcelain shackle type LT medium insulator 75x115 mm dia. with G.I. strips, nuts and bolts, complete.	50.00	Each
14023 Chapter 8-6-3	6 Supplying and erecting porcelain shackle type LT medium insulator 50 x 89 mm dia. with G.I. strips, nuts and bolts, complete.	47.00	Each
14023 Chapter 8-6-4	7 Supplying and erecting aluminium bobbin with G.I. strip, nuts complete.	78.00	Each
14023 Chapter 8-6-5	8 Providing and fixing earthing stud with necessary materials.	48.00	Each
14023 Chapter 8-6-6	9 Supplying and erecting porcelain disc type insulator suitable for 11kV line, complete as per specification No. OH-INS/DI	997.00	Each
14024 Chapter 8-6-7	0 Supplying and erecting porcelain disc type insulator suitable for 22kV line, complete as per specification No. OH-INS/DI	1,359.00	Each
14024 Chapter 8-6-8	1 Supplying and erecting porcelain disc type insulator suitable for 33 kV line complete as per specification No. OH-INS/DI	1,711.00	Each
14024 Chapter 8-6-9	2 Supplying and erecting porcelain pin type insulator suitable for 11kV line, complete as per specification No. OH-INS/PN	237.00	Each
14024 Chapter 8-6-10	3 Supplying and erecting porcelain pin type insulator suitable for 22kV line, complete as per specification No. OH-INS/PN	298.00	Each
14024 Chapter 8-6-11	4 Supplying and erecting porcelain pin type insulator suitable for 33kV line, complete as per specification No. OH-INS/PN	612.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14024	Chapter 8-6-12 Supplying and erecting porcelain post type insulator suitable for 11kV line, complete as per specification No. OH-INS/PST	474.00	Each
14024	Chapter 8-6-13 Supplying and erecting porcelain post type insulator suitable for 22kV line, complete as per specification No. OH-INS/PST	567.00	Each
14024	Chapter 8-6-14 Supplying and erecting porcelain post type insulator suitable for 33kV line, complete as per specification No. OH-INS/PST	759.00	Each
14024	Chapter 8-6-15 Supplying and erecting Distribution class, 11 kV thyrite type lightening arrester, on provided cross arm as per specification No. OH-INS/LA	1,070.00	Each
14024	Chapter 8-6-16 Supplying and erecting Distribution class, 22 kV thyrite type lightening arresters, on provided cross arm as per specification No. OH-INS/LA	1,080.00	Each
Chapter 8-7 Accessories			
14025	Chapter 8-7-1 Supplying and erecting G.I. stay set for poles, including loop insulators at inaccessible height complete with anchor plate 300 x 300 x 6 mm., straining screws, G.I. stay wire 7/10 SWG, G.I. stay rod 20 mm x 1.8 m length and pole clamps duly erected in provided cement concrete foundation.	1,231.00	Each
14025	Chapter 8-7-2 Supplying and erecting G.I. stay set for poles, including loop insulators at inaccessible height complete with anchor plate 300 x 300 x 6 mm., straining screws, G.I. stay wire 7/8 SWG, G.I. stay rod 20 mm x 1.8 m length and pole clamps duly erected in provided cement concrete foundation.	1,444.00	Each
14025	Chapter 8-7-3 Supplying and erecting G.I. fly stay set for pole including straining screw, G.I. stay wire, 7/10 SWG (for to 15mtr. long) with pole clamp, made of 50 x 6 mm MS flat, complete erected on provided RSJ pole. (Add. Rs. 25/- per m for extra length beyond 15 m)	1,753.00	Each
14025	Chapter 8-7-4 Supplying and erecting G.I. self stay set for pole, including anchor plate 300x 300 x 6 mm. straining screw, loop-insulator, G.I. stay wire 7/10 SWG, G.I. stay rod 20 mm x 1.8 m long, erected with pole clamps along with angle iron bracket of 50 x 50 x 6 mm and one meter long fixed to pole at suitable height with suitable MS clamps duly erected in provided C.C. foundations.	1,444.00	Each
14025	Chapter 8-7-5 Supplying and erecting G.I. wall hook, 10 to 15 mm dia and overall length 250 mm including grouting, cement plastering etc. complete.	49.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
14025 Chapter 8-7-6 5	Supplying and erecting pipe post made from ISI mark G.I. pipe 40 mm dia 3 m overall length, with two bends, fixed to pipe at the top & bottom, round bended, complete erected with MS flat welded MS bolts 15 cm long duly grouted in wall with necessary clamps, nuts and bolts etc. duly painted with two coats of aluminium paint complete.	1,065.00	Each
14025 Chapter 8-7-7 6	Supplying and erecting pipe post made from ISI mark G.I. pipe 25 mm dia 3 m overall length, with two bends, fixed to pipe at the top & bottom, round bended, complete erected with MS flat welded MS bolts 15 cm long duly grouted in wall with necessary clamps, nuts and bolts etc. duly painted with two coats of aluminium paint complete.	961.00	Each
14025 Chapter 8-7-8 7	Supplying and erecting guarding loop using G.I. wire No. 8 SWG for L.T. over head line of horizontal formation complete erected with 20 SWG G.I. wire as binding wire and 50 mm. section on each side, complete.	43.00	Each
14025 Chapter 8-7-9 8	Supplying and erecting fibre/ PVC spacers for L.T. overhead line 3 to 5 conductors complete erected.	102.00	Each
14025 Chapter 8-7-10 9	Supplying and erecting pole clamp made from 50 x 6 mm MS flat for pole or pipe, post complete erected with 15 mm bolts and nuts, complete duly painted with one coat of red oxide and two coats of aluminium paint.	212.00	Each
14026 Chapter 8-7-11 0	Supplying and erecting pole clamp made from 50 x 10 mm MS flat for pole or pipe, post complete erected with 15 mm bolts and nuts, complete duly painted with one coat of red oxide and two coats of aluminium paint.	235.00	Each
14026 Chapter 8-7-12 1	Supplying and erecting 'D' type pole clamps, fabricated from 50 x 6 mm MS flat with 15 mm dia. bolts and nut fixed to steel tubular pole duly painted with one coat of red oxide and two coats of aluminium paint.	119.00	Each
14026 Chapter 8-7-13 2	Supplying and erecting half clamps for pole made from 50 x 6 mm flat for fixing cross arms by means of 15 mm dia. bolts and nuts painted with one coat of red oxide and two coats of aluminium paint.	119.00	Each
14026 Chapter 8-7-14 3	Supplying and erecting half clamps for pole made from 50 x 10 mm flat for fixing cross arms by means of 15 mm dia. bolts and nuts painted with one coat of red oxide and two coats of aluminium paint.	151.00	Each
14026 Chapter 8-7-15 4	Supplying and fixing MS base plate 30x30x0.6 cm size fixed to the pole base either by welding or by set screws 12 mm. dia fixed	379.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	at position.		
14026 5	Chapter 8-7-16 Supplying and fixing MS round base plate 25 cm dia meter and 10mm. thick fixed to pole by set screws or welded and fixed at position.	376.00	Each
14026 6	Chapter 8-7-17 Supplying and fixing MS pole cap fabricated from MS pipe or cast iron fixed to pole by means of set screws and 75 mm deep.	98.00	Each
14026 7	Chapter 8-7-18 Supplying and erecting guarding lace for H.T.O.H. line with 8 SWG G.I. wire to protect the H.T. over head line with binding wire of 20 SWG G.I. wire for 75 mm section on either side.	41.00	Each
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	Chapter 8-8 Dismantling		
14026 8	Chapter 8-8-1 Dismantling the existing pole up to 6 m height with brackets, clamps, insulators, stay from the cement concrete foundation and making the site clear by refilling the pits with excavated materials and bringing it to the ground level.	416.00	Each
14026 9	Chapter 8-8-2 Dismantling the existing pole above 6 m height with brackets, clamps, insulators, stay from the cement concrete foundation and making the site clear by refilling the pits with excavated materials and bringing it to the ground level.	678.00	Each
14027 0	Chapter 8-8-3 Dismantling the existing overhead line including G.I. wires of all sizes without damaging & making the coils in suitable sizes.	941.00	KM
14027 1	Chapter 8-8-4 Dismantling existing lightning arrestor set, insulator complete from DP structure in an approved manner	79.00	Per Job

Specification:

Rate Card

PMC

Effective Date 01/04/2018**Chapter Name** Earthing (EA)**Rate In (Rs)**

Item Description		Rate	Unit
Chapter 9 -1 Plate, Pipe type Earthing (EA-EP)			
14027 Chapter 9 -1-1 2	Providing earthing with Galvanized cast iron earth plate size 60 x 60 x 0.6 cm complete with all materials, testing & recording the results as per specification No. EA-EP	3,785.00	Each
14027 Chapter 9 -1-2 3	Providing earthing with Copper earth plate size 30 x 30 x 0.315 cm complete with all materials, testing & recording the results as per specification No. EA-EP	5,827.00	Each
14027 Chapter 9 -1-3 4	Providing earthing with Galvanized cast iron earth plate size 60 x 60 x 0.6 cm with funnel with a wire mesh for watering and brick masonry block C.I. cover complete with all materials, testing & recording the results as per specification No. EA-EP	4,981.00	Each
14027 Chapter 9 -1-4 5	Providing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all materials as per specification No. EA-EP	1,218.00	Each
14027 Chapter 9 -1-5 6	Supply, Installation, Testing and commissioning of UL Certified / CPRI Tested Maintenance Free Earthing comprising of Electrode of 17.2 mm diameter Low Carbon Steel with 250 micron Molecular Copper Bonded Earthing Rod of Length 3m along with 25 kg Carbon Based environment friendly back fill Ground Enhancing compound required to fill up the excavated earth with required quantity as per specification no EA-MOBI	12,531.00	Each
14027 Chapter 9 -1-6 7	Providing earthing with Copper earth plate size 60 x 60 x 0.315 cm with funnel with a wire mesh for watering and brick masonry block C.I. cover with minimum 25 kg of maintenance free earth conductivity enhancing mineral earthing compound complete with all materials, testing & recording the results as per specification no ESE -LA	14,449.00	Each
Chapter 9 -2 Accessories			
14027 Chapter 9 -2-1 8	Supplying and erecting aluminium strip of required sizes used for earthing on wall and/or any other purpose with necessary aluminium clamps fixed on wall painted with bituminous paint in an approved manner with joints required. As per specification No EA-EP.	333.00	kg
14027 Chapter 9 -2-2 9	Supplying and erecting copper strip of required size used for earthing on wall and/or any other purpose with necessary copper clamps fixed on wall painted with bituminous paint in an approved manner with joints required. As per specification No EA-EP.	670.00	kg

		Rate In (Rs)	
	Item Description	Rate	Unit
14028 Chapter 9 -2-3 0	Supplying and erecting GI strip of required size used for earthing on wall and/or any other purpose with necessary GI clamps fixed on wall painted with bituminous paint in an approved manner with joints required. As per specification No EA-EP.	178.00	kg
14028 Chapter 9 -2-4 1	Supplying and erecting Annealed bare copper wire of high purity of different sizes used for earthing on wall with necessary copper clamps fixed on wall/cable/conduit with screws in an approved manner.	703.00	kg
14028 Chapter 9 -2-5 2	Supplying and erecting G. I. Earth Wire of high purity of different sizes used for earthing or any other purposes on wall with necessary G. I. Clamps fixed on wall/cable/ conduit with screws in an approved manner.	143.00	kg
14028 Chapter 9 -2-6 3	Supplying and erecting aluminium strip of required sizes used for earthing on wall and/or any other purpose with necessary aluminium clamps fixed on wall with insulating and non corrosive bond in an approved manner with joints required. As per specification No EA-EP.	615.00	kg
14028 Chapter 9 -2-7 4	Supplying and erecting copper strip of required size used for earthing on wall and/or any other purpose with necessary copper clamps fixed on wall painted with insulating and non corrosive bond in an approved manner with joints required. As per specification No EA-EP.	1,048.00	kg
14028 Chapter 9 -2-8 5	Supplying and erecting GI strip of required size used for earthing on wall and/or any other purpose with necessary GI clamps fixed on wall painted with insulating and non corrosive bond in an approved manner with joints required. As per specification No EA-EP.	418.00	kg
Chapter 9 -3 Lightning Conductor and Accessories			
14028 Chapter 9 -3-1 6	Supplying & erecting conventional spike type air termination suitable to carry lightning stroke made up of heavy gauge 40 mm dia copper pipe of standard length with 5 Nos. copper spikes fixed on copper ball as air terminals duly threaded in copper pipe erected on provided foundation in an approved manner.	4,245.00	Each
14028 Chapter 9 -3-2 7	Providing and Back filling earth conductivity enhancing mineral earthing compound of 25 kg Bag complete.	4,955.00	Each

Specification:

Chapter Name Sub Station (SS)

		Rate In (Rs)	
Item Description		Rate	Unit
Chapter 10-1 Transformers (SS-TR)			
14028 8	Chapter 10-1-1 Supplying and Erecting approved make 63 kVA,3 phase, 50 c/s Oil immersed and naturally cooled outdoor type, Copper wound transformer with Energy Efficiency Level -2 , BIS Standard with delta connected. on HV side & star connection on LV side with additional neutral brought out on load side,Temp rise should not Exceeding 4000 C by thermometer in oil and 4500C by the resistance in winding at full load rating, voltage rating 11/ 0.433 kV with HV tapping (with off load tap changer) Tappings on Transformer For Off Load +5 to -10 in Steps of 2.5% ,with standard accessories complete with Test Certificate with losses below 340 watts at 50% load, 1140 watts at 100% load as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	2,45,987.00	Each
14028 9	Chapter 10-1-2 Supplying and Erecting approved make 100 kVA,3 phase, 50 c/s Oil immersed and naturally cooled outdoor type, Copper wound transformer with Energy Efficiency Level -2 , BIS Standard with delta connected. on HV side & star connection on LV side with additional neutral brought out on load side,Temp rise should not Exceeding 4000 C by thermometer in oil and 4500C by the resistance in winding at full load rating, voltage rating 11/ 0.433 kV with HV tapping(with off load tap changer) Tappings on Transformer For Off Load +5 to -10 in Steps of 2.5% ,with standard accessories complete with Test Certificate with losses below 475 watts at 50% load, 1650 watts at 100% load as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	3,09,015.00	Each
14029 0	Chapter 10-1-3 Supplying and Erecting approved make 160 kVA,3 phase, 50 c/s Oil immersed and naturally cooled outdoor type, Copper wound transformer with Energy Efficiency Level -2 , BIS Standard with delta connected. on HV side & star connection on LV side with additional neutral brought out on load side,Temp rise should not Exceeding 4000 C by thermometer in oil and 4500C by the resistance in winding at full load rating, voltage rating 11/ 0.433 kV with HV tapping(with off load tap changer) Tappings on Transformer For Off Load +5 to -10 in Steps of 2.5% ,with standard accessories complete with Test Certificate with losses below 670 watts at 50% load, 1950 watts at 100% load as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	4,01,462.00	Each

		Rate In (Rs)	
Item Description	Rate	Unit	
14029 Chapter 10-1-4 1	Supplying and Erecting approved make 200 kVA,3 phase, 50 c/s Oil immersed and naturally cooled outdoor type, Copper wound transformer with Energy Efficiency Level -2 , BIS Standard with delta connected. on HV side & star connection on LV side with additional neutral brought out on load side,Temp rise should not Exceeding 4000 C by thermometer in oil and 4500C by the resistance in winding at full load rating, voltage rating 11/0.433 kV with HV tapping(with off load tap changer) Tappings on Transformer For Off Load +5 to -10 in Steps of 2.5% ,with standard accessories complete with Test Certificate with losses below 780 watts at 50% load, 2300 watts at 100% load as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	5,21,249.00	Each
14029 Chapter 10-1-5 2	Supplying and Erecting approved make 250 kVA,3 phase, 50 c/s Oil immersed and naturally cooled outdoor type, Copper wound transformer with Energy Efficiency Level -2 , BIS Standard with delta connected. on HV side & star connection on LV side with additional neutral brought out on load side,Temp rise should not Exceeding 4000 C by thermometer in oil and 4500C by the resistance in winding at full load rating, voltage rating 11/ 0.433 kV with HV tapping(with off load tap changer) Tappings on Transformer For Off Load +5 to -10 in Steps of 2.5% ,with standard accessories complete with Test Certificate with losses below 980 watts at 50% load, 2930 watts at 100% load as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	6,07,008.00	Each
14029 Chapter 10-1-6 3	Supplying and Erecting approved make 315 kVA,3 phase, 50 c/s Oil immersed and naturally cooled outdoor type, Copper wound transformer with Energy Efficiency Level -2 , BIS Standard with delta connected. on HV side & star connection on LV side with additional neutral brought out on load side,Temp rise should not Exceeding 4000 C by thermometer in oil and 4500C by the resistance in winding at full load rating, voltage rating 11/ 0.433 kV with HV tapping(with off load tap changer) Tappings on Transformer For Off Load +5 to -10 in Steps of 2.5% ,with standard accessories complete with Test Certificate with losses below 1025 watts at 50% load, 3100 watts at 100% load as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	6,80,899.00	Each
14029 Chapter 10-1-7 4	Supplying and Erecting approved make 500 kVA,3 phase, 50 c/s Oil immersed and naturally cooled outdoor type, Copper wound transformer with Energy Efficiency Level -2 , BIS Standard with delta connected. on HV side & star connection on LV side with	8,71,985.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	additional neutral brought out on load side,Temp rise should not Exceeding 4000 C by thermometer in oil and 4500C by the resistance in winding at full load rating, voltage rating 11/ 0.433 kV with HV tapping(with off load tap changer) Tappings on Transformer For Off Load +5 to -10 in Steps of 2.5% ,with standard accessories complete with Test Certificate with losses below 1510 watts at 50% load, 4300 watts at 100% load as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector		
14029 Chapter 10-1-8 5	Supplying and Erecting approved make 630 kVA,3 phase, 50 c/s Oil immersed and naturally cooled outdoor type, Copper wound transformer with Energy Efficiency Level -2 , BIS Standard with delta connected. on HV side & star connection on LV side with additional neutral brought out on load side,Temp rise should not Exceeding 4000 C by thermometer in oil and 4500C by the resistance in winding at full load rating, voltage rating 11/ 0.433 kV with HV tapping(with off load tap changer) Tappings on Transformer For Off Load +5 to -10 in Steps of 2.5% ,with standard accessories complete with Test Certificate with losses below 1860 watts at 50% load, 5300 watts at 100% load as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	11,16,939.00	Each
14029 Chapter 10-1-9 6	Supplying and Erecting approved make 63 kVA,3 phase, 50 c/s Oil immersed and naturally cooled outdoor type, Copper wound transformer with Energy Efficiency Level -2 , BIS Standard with delta connected. on HV side & star connection on LV side with additional neutral brought out on load side,Temp rise should not Exceeding 4000 C by thermometer in oil and 4500C by the resistance in winding at full load rating, voltage rating 22/ 0.433 kV with HV tapping(with off load tap changer) Tappings on Transformer For Off Load +5 to -10 in Steps of 2.5% ,with standard accessories complete with Test Certificate with losses below 357 watts at 50% load, 1197 watts at 100% load as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	2,66,594.00	Each
14029 Chapter 7 10-1-10	Supplying and Erecting approved make 100 kVA,3 phase, 50 c/s Oil immersed and naturally cooled outdoor type, Copper wound transformer with Energy Efficiency Level -2 , BIS Standard with delta connected. on HV side & star connection on LV side with additional neutral brought out on load side,Temp rise should not Exceeding 4000 C by thermometer in oil and 4500C by the resistance in winding at full load rating, voltage rating 22/ 0.433 kV with HV tapping(with off load tap changer) Tappings on	3,40,143.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14029 Chapter 8 10-1-11	Transformer For Off Load +5 to -10 in Steps of 2.5% ,with standard accessories complete with Test Certificate with losses below 499 watts at 50% load, 1733 watts at 100% load as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector Supplying and Erecting approved make 160 kVA,3 phase, 50 c/s Oil immersed and naturally cooled outdoor type, Copper wound transformer with Energy Efficiency Level -2 , BIS Standard with delta connected. on HV side & star connection on LV side with additional neutral brought out on load side,Temp rise should not Exceeding 4000 C by thermometer in oil and 4500C by the resistance in winding at full load rating, voltage rating 22/ 0.433 kV with HV tapping(with off load tap changer) Tappings on Transformer For Off Load +5 to -10 in Steps of 2.5% ,with standard accessories complete with Test Certificate with losses below 704 watts at 50% load, 2048 watts at 100%load as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	4,30,764.00	Each
14029 Chapter 9 10-1-12	Supplying and Erecting approved make 200 kVA,3 phase, 50 c/s Oil immersed and naturally cooled outdoor type, Copper wound transformer with Energy Efficiency Level -2 , BIS Standard with delta connected. on HV side & star connection on LV side with additional neutral brought out on load side,Temp rise should not Exceeding 4000 C by thermometer in oil and 4500C by the resistance in winding at full load rating, voltage rating 22/ 0.433 kV with HV tapping(with off load tap changer) Tappings on Transformer For Off Load +5 to -10 in Steps of 2.5% ,with standard accessories complete with Test Certificate with losses below 819 watts at 50% load, 2415 watts at 100% load as per IS:1180 - 2014 Level II as per specification No SS- TR.	5,56,657.00	Each
14030 Chapter 0 10-1-13	Supplying and Erecting approved make 250 kVA,3 phase, 50 c/s Oil immersed and naturally cooled outdoor type, Copper wound transformer with Energy Efficiency Level -2 , BIS Standard with delta connected. on HV side & star connection on LV side with additional neutral brought out on load side,Temp rise should not Exceeding 4000 C by thermometer in oil and 4500C by the resistance in winding at full load rating, voltage rating 22/ 0.433 kV with HV tapping(with off load tap changer) Tappings on Transformer For Off Load +5 to -10 in Steps of 2.5% ,with standard accessories complete with Test Certificate with losses below 1029 watts at 50% load, 3077 watts at 100% load as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	6,50,730.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14030 Chapter 1 10-1-14	Supplying and Erecting approved make 315 kVA,3 phase, 50 c/s Oil immersed and naturally cooled outdoor type, Copper wound transformer with Energy Efficiency Level -2 , BIS Standard with delta connected. on HV side & star connection on LV side with additional neutral brought out on load side,Temp rise should not Exceeding 4000 C by thermometer in oil and 4500C by the resistance in winding at full load rating, voltage rating 22/ 0.433 kV with HV tapping(with off load tap changer) Tappings on Transformer For Off Load +5 to -10 in Steps of 2.5% ,with standard accessories complete with Test Certificate with losses below 1077 watts at 50% load, 3255 watts at 100% load as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	7,63,944.00	Each
14030 Chapter 2 10-1-15	Supplying and Erecting approved make 500 kVA,3 phase, 50 c/s Oil immersed and naturally cooled outdoor type, Copper wound transformer with Energy Efficiency Level -2 , BIS Standard with delta connected. on HV side & star connection on LV side with additional neutral brought out on load side,Temp rise should not Exceeding 4000 C by thermometer in oil and 4500C by the resistance in winding at full load rating, voltage rating 22/ 0.433 kV with HV tapping(with off load tap changer) Tappings on Transformer For Off Load +5 to -10 in Steps of 2.5% ,with standard accessories complete with Test Certificate with losses below 1586 watts at 50% load, 4515 watts at 100% load as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	9,65,177.00	Each
14030 Chapter 3 10-1-16	Supplying and Erecting approved make 630 kVA,3 phase, 50 c/s Oil immersed and naturally cooled outdoor type, Copper wound transformer with Energy Efficiency Level -2 , BIS Standard with delta connected. on HV side & star connection on LV side with additional neutral brought out on load side,Temp rise should not Exceeding 4000 C by thermometer in oil and 4500C by the resistance in winding at full load rating, voltage rating 22/ 0.433 kV with HV tapping(with off load tap changer) Tappings on Transformer For Off Load +5 to -10 in Steps of 2.5% ,with standard accessories complete with Test Certificate with losses below 1953 watts at 50% load, 5565 watts at 100% load as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	12,58,414.	Each
14030 Chapter 4 10-1-17	Inspection of faulty distribution transformer 11kV / 22kV on HV side, 415 V on LV side upto 500 kVA capacity in workshop in presence of authority by opening top cover, disconnecting HV & LV studs, tap changer connections; taking out core along with winding	3,301.00	Per Job

		Rate In (Rs)	
Item Description		Rate	Unit
	for inspection and carrying out necessary tests on HV, LV side, oil, tap-changer etc. checking breather, body condition etc. and submitting inspection report, test reports (oil, insulation, resistance, ratio,etc.) and quotation for repairs, (excluding transportation)		
14030 Chapter 5 10-1-18	Providing and maintaining distribution transformer 11kV / 22 kV on HV side 415 V on LV side up to 63 to 200 kVA Capacity for ten days on hired basis.	16,413.00	Per Job
14030 Chapter 6 10-1-19	Providing and maintaining distribution transformer 11kV / 22 kV on HV side 415 V on LV side up to 250 to 500 kVA Capacity for ten days on hired basis.	25,792.00	Per Job
14030 Chapter 7 10-1-20	Providing and maintaining distribution transformer 11/ 22 kV on HV side 415 V on LV side upto 500 kVA capacity on hired basis subsequent to first ten days after commissioning.	116.00	day
14030 Chapter 8 10-1-21	Erecting 11kV / 22 kV on HV side 415 V on LV side up to 500 kVA capacity hired/provided transformer on existing plinth / DP structure, making connections on HV & LV side in approved manner, carrying out necessary tests before and after charging upto full load to satisfaction.(including transportation)	10,513.00	Per Job
14030 Chapter 9 10-1-22	Supplying and Erecting approved make 15 kVA,SINGLE PHASE, 11 kV/V3/250V Oil cooled with CSP Features outdoor type, Alluminium wound transformer with Energy Efficiency Level -2 , BIS Standard ,Temp rise should not Exceeding 400 0C by thermometer in oil and 4500C by the resistance in winding at full load rating,with 5 % continuously rated for full load with standard accessories complete with Test Certificate with losses should be below 82 Watt at 50% Load & 224 Watt at 100 % Load & first filling of oil having Vector Group- DYN-11 & first filling of silica gel, as per IS:1180 - 2014 Level II as per specification No SS-TR.with necessary permission of Electrical Inspector	87,496.00	Each
14031 Chapter 0 10-1-23	Supplying and Erecting approved make 25 kVA,SINGLE PHASE, 11 kV/V3/250V Oil cooled with CSP Features outdoor type, Alluminium wound transformer with Energy Efficiency Level -2 , BIS Standard ,Temp rise should not Exceeding 4000 C by thermometer in oil and 4500C by the resistance in winding at full load rating,with 5 % continuously rated for full load with standard accessories complete with Test Certificate with losses should be below 110 Watt at 50% Load & 300Watt at 100 % Load & first filling of oil having Vector Group- DYN-11 & first filling of silica gel, as per IS:1180 - 2014 Level II) as per specification No SS-TR.with necessary permission of Electrical Inspector	1,06,271.00	Each

		Rate In (Rs)	
		Rate	Unit
Item Description			
14031 Chapter 1 10-1-24	Supplying and Erecting approved make Compact Substation with 63 kVA,3 phase, 50 c/s Oil immersed Copper wound transformer having INDOOR TYPE TRANSFORMER BUSHINGS,with Energy Efficiency Level -2 , BIS Standard voltage rating 11/ 0.433 kV with HT side (Incoming side) LOAD BREAK SWITCH of Appropriate Capacity and LT side (Outgoing side) MCCBs (4 Pole) of appropriate Capacity , with Metering Cubical Inbuilt,with standard accessories complete with Test Certificate with losses below 340 watts at 50% load, 1140 watts at 100% load for Transformer, as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	7,20,729.00	Each
14031 Chapter 2 10-1-25	Supplying and Erecting approved make Compact Substation with 100 kVA,3 phase, 50 c/s Oil immersed Copper wound transformer having INDOOR TYPE TRANSFORMER BUSHINGS,with Energy Efficiency Level -2 , BIS Standard voltage rating 11/ 0.433 kV with HT side (Incoming side) LOAD BREAK SWITCH of Appropriate Capacity and LT side (Outgoing side) MCCBs (4 Pole) of appropriate Capacity , with Metering Cubical Inbuilt,with standard accessories complete with Test Certificate with losses below 475 watts at 50% load, 1650 watts at 100% load for Transformer, as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	8,03,365.00	Each
14031 Chapter 3 10-1-26	Supplying and Erecting approved make Compact Substation with 160 kVA,3 phase, 50 c/s Oil immersed Copper wound transformer having INDOOR TYPE TRANSFORMER BUSHINGS,with Energy Efficiency Level -2 , BIS Standard voltage rating 11/ 0.433 kV with HT side (Incoming side) LOAD BREAK SWITCH of Appropriate Capacity and LT side (Outgoing side) MCCBs (4 Pole) of appropriate Capacity , with Metering Cubical Inbuilt,with standard accessories complete with Test Certificate with losses below 670 watts at 50% load, 1950 watts at 100% load for Transformer, as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	9,62,259.00	Each
14031 Chapter 4 10-1-27	Supplying and Erecting approved make Compact Substation with 200 kVA,3 phase, 50 c/s Oil immersed Copper wound transformer having INDOOR TYPE TRANSFORMER BUSHINGS,with Energy Efficiency Level -2 , BIS Standard voltage rating 11/ 0.433 kV with HT side (Incoming side) LOAD BREAK SWITCH of Appropriate Capacity and LT side (Outgoing side) MCCBs (4 Pole) of appropriate Capacity , with Metering Cubical Inbuilt,with standard accessories complete with Test Certificate with losses below 780 watts at 50% load, 2300 watts at 100% load for Transformer, as per IS:1180 - 2014 Level II as per specification No SS- TR.with	11,09,014.00	Each

		Rate In (Rs)	
		Rate	Unit
	necessary permission of Electrical Inspector		
14031 Chapter 5 10-1-28	Supplying and Erecting approved make Compact Substation with 250 kVA,3 phase, 50 c/s Oil immersed Copper wound transformer having INDOOR TYPE TRANSFORMER BUSHINGS,with Energy Efficiency Level -2 , BIS Standard voltage rating 11/ 0.433 kV with HT side (Incoming side) LOAD BREAK SWITCH of Appropriate Capacity and LT side (Outgoing side) MCCBs (4 Pole) of appropriate Capacity , with Metering Cubical Inbuilt,with standard accessories complete with Test Certificate with losses below 980 watts at 50% load, 2930 watts at 100% load for Transformer, as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	11,71,127.00	Each
14031 Chapter 6 10-1-29	Supplying and Erecting approved make Compact Substation with 315 kVA,3 phase, 50 c/s Oil immersed Copper wound transformer having INDOOR TYPE TRANSFORMER BUSHINGS,with Energy Efficiency Level -2 , BIS Standard voltage rating 11/ 0.433 kV with HT side (Incoming side) LOAD BREAK SWITCH of Appropriate Capacity and LT side (Outgoing side) MCCBs (4 Pole) of appropriate Capacity , with Metering Cubical Inbuilt,with standard accessories complete with Test Certificate with losses below 1025 watts at 50% load, 3100 watts at 100% load for Transformer, as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	13,67,994.	Each
14031 Chapter 7 10-1-30	Supplying and Erecting approved make Compact Substation with 500 kVA,3 phase, 50 c/s Oil immersed Copper wound transformer having INDOOR TYPE TRANSFORMER BUSHINGS,with Energy Efficiency Level -2 , BIS Standard voltage rating 11/ 0.433 kV with HT side (Incoming side) LOAD BREAK SWITCH of Appropriate Capacity and LT side (Outgoing side) MCCBs (4 Pole) of appropriate Capacity , with Metering Cubical Inbuilt,with standard accessories complete with Test Certificate with losses below 1510 watts at 50% load, 4300 watts at 100% load for Transformer, as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	18,08,838.	Each
14031 Chapter 8 10-1-31	Supplying and Erecting approved make Compact Substation with 630 kVA,3 phase, 50 c/s Oil immersed Copper wound transformer having INDOOR TYPE TRANSFORMER BUSHINGS,with Energy Efficiency Level -2 , BIS Standard voltage rating 11/ 0.433 kV with HT side (Incoming side) LOAD BREAK SWITCH of Appropriate Capacity and LT side (Outgoing side) MCCBs (4 Pole) of appropriate Capacity , with Metering Cubical Inbuilt,with standard accessories complete with Test Certificate with losses below 1860 watts at 50% load, 5300 watts at 100% load for Transformer, as	20,39,671.	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	watts at 50% load, 2415 watts at 100% load for Transformer, as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector		
14032 Chapter 3 10-1-36	Supplying and Erecting approved make Compact Substation with 250 kVA,3 phase, 50 c/s Oil immersed Copper wound transformer having INDOOR TYPE TRANSFORMER BUSHINGS,with Energy Efficiency Level -2 , BIS Standard voltage rating 22/ 0.433 kV with HT side (Incoming side) LOAD BREAK SWITCH of Appropriate Capacity and LT side (Outgoing side) MCCBs (4 Pole) of appropriate Capacity , with Metering Cubical Inbuilt,with standard accessories complete with Test Certificate with losses below 1029 watts at 50% load, 3077 watts at 100% load for Transformer, as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	13,12,686.	Each
14032 Chapter 4 10-1-37	Supplying and Erecting approved make Compact Substation with 315 kVA,3 phase, 50 c/s Oil immersed Copper wound transformer having INDOOR TYPE TRANSFORMER BUSHINGS,with Energy Efficiency Level -2 , BIS Standard voltage rating 22/ 0.433 kV with HT side (Incoming side) LOAD BREAK SWITCH of Appropriate Capacity and LT side (Outgoing side) MCCBs (4 Pole) of appropriate Capacity , with Metering Cubical Inbuilt,with standard accessories complete with Test Certificate with losses below 1077watts at 50% load, 3255 watts at 100% load for Transformer, as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	15,05,848.	Each
14032 Chapter 5 10-1-38	Supplying and Erecting approved make Compact Substation with 500 kVA,3 phase, 50 c/s Oil immersed Copper wound transformer having INDOOR TYPE TRANSFORMER BUSHINGS,with Energy Efficiency Level -2 , BIS Standard voltage rating 22/ 0.433 kV with HT side (Incoming side) LOAD BREAK SWITCH of Appropriate Capacity and LT side (Outgoing side) MCCBs (4 Pole) of appropriate Capacity , with Metering Cubical Inbuilt,with standard accessories complete with Test Certificate with losses below 1586 watts at 50% load, 4515 watts at 100% load for Transformer, as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector	20,13,906.	Each
14032 Chapter 6 10-1-39	Supplying and Erecting approved make Compact Substation with 630 kVA,3 phase, 50 c/s Oil immersed Copper wound transformer having INDOOR TYPE TRANSFORMER BUSHINGS,with Energy Efficiency Level -2 , BIS Standard voltage rating 22/ 0.433 kV with HT side (Incoming side) LOAD BREAK SWITCH of Appropriate Capacity and LT side (Outgoing side) MCCBs (4 Pole) of appropriate Capacity , with Metering Cubical Inbuilt,with standard	22,70,113.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	accessories complete with Test Certificate with losses below 1953 watts at 50% load, 5565 watts at 100% load for Transformer, as per IS:1180 - 2014 Level II as per specification No SS- TR.with necessary permission of Electrical Inspector		
14032 Chapter 7 10-1-40	Supplying and Erecting approved make 315 kVA,3 phase, 50 c/s, Reference Standard IS:11171 & IS 2026,Vaccum Cast Coil (VCC) Dry Type Cast Resin Transformer, Copper wound , Dyn11 Vector Group,with delta connection on HV side & star connection on LV side with additional neutral brought out on load side,For Indoor Use Continuous Duty, Average Temp rise of Winding (at Principal Tap) 115 Deg C at Ambient Temp Max 50 Deg C & Min -5 Deg C at full load rating, Voltage rating 11/ 0.433 kV with Tapping(with off circuit Tap Links type tap changer) Tappings on Transformer For Off Load +5 to - 5% @ 2.5% in +2/-2 Steps, HV Variation, Class of Insulation H/H, Method of cooling AN, No Load Loss at Rated Voltage & Frequency (+15% IS Tol) 1 KW, Full Load Loss at Rated Current 3.15 KW, with 98.70% Efficiency at Full Load & 98.88 % at 1/2 Full Load, with 75 KV peak Full Wave Lightning Impulse withstand Voltage with Complete Enclosure having IP 21 Degree of protection, Cable Box arrangement at HV side & Busduct at LV side ,with rating & Diagram Plate, Base Channel, Earthing Terminals & WTI Scanner with 3 PT-100 Sensors,etc. standard accessories complete with Test Certificate (as per IS:11171) as per specification No SS- TR.with necessary permission of Electrical Inspector	6,96,571.00	Each
14032 Chapter 8 10-1-41	Supplying and Erecting approved make 400 kVA,3 phase, 50 c/s, Reference Standard IS:11171 & IS 2026,Vaccum Cast Coil (VCC) Dry Type Cast Resin Transformer, Copper wound , Dyn11 Vector Group, with delta connection on HV side & star connection on LV side with additional neutral brought out on load side, For Indoor Use Continuous Duty, Average Temp rise of Winding (at Principal Tap) 115 Deg C at Ambient Temp Max 50 Deg C & Min -5 Deg C at full load rating, Voltage rating 11/ 0.433 kV with Tapping(with off circuit Tap Links type tap changer) Tappings on Transformer For Off Load +5 to - 5% @ 2.5% in +2/-2 Steps, HV Variation, Class of Insulation H/H, Method of cooling AN, No Load Loss at Rated Voltage & Frequency (+15% IS Tol) 1.15 KW, Full Load Loss at Rated Current 3.60 KW, with 98.83 % Efficiency at Full Load & 98.99 % at 1/2 Full Load, with 75 KV peak Full Wave Lightning Impulse withstand Voltage with Complete Enclosure having IP 21 Degree of protection, Cable Box arrangement at HV side & Busduct at LV side ,with rating & Diagram Plate, Base Channel, Earthing Terminals & WTI Scanner with 3 PT-100 Sensors,etc. standard accessories complete with Test Certificate (as per IS:11171) as	7,76,377.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	per specification No SS- TR.with necessary permission of Electrical Inspector		
14032 Chapter 9 10-1-42	Supplying and Erecting approved make 500 kVA,3 phase, 50 c/s, Reference Standard IS:11171 & IS 2026,Vaccum Cast Coil (VCC) Dry Type Cast Resin Transformer, Copper wound , Dyn11 Vector Group,with delta connection on HV side & star connection on LV side with additional neutral brought out on load side,For Indoor Use Continuous Duty, Average Temp rise of Winding (at Principal Tap) 115 Deg C at Ambient Temp Max 50 Deg C & Min -5 Deg C at full load rating, Voltage rating 11/ 0.433 kV with Tapping(with off circuit Tap Links type tap changer) Tappings on Transformer For Off Load +5 to - 5% @ 2.5% in +2/-2 Steps, HV Variation, Class of Insulation H/H, Method of cooling AN, No Load Loss at Rated Voltage & Frequency (+15% IS Tol) 1.50 KW, Full Load Loss at Rated Current 4.50 KW, with 98.81 % Efficiency at Full Load & 98.96 % at 1/2 Full Load, with 75 KV peak Full Wave Lightning Impulse withstand Voltage with Complete Enclouser having IP 21 Degree of protection, Cable Box arrangement at HV side & Busduct at LV side ,with rating & Diagram Plate, Base Channel, Earthing Terminals & WTI Scanner with 3 PT-100 Sensors,etc. standard accessories complete with Test Certificate (as per IS:11171) as per specification No SS- TR.with necessary permission of Electrical Inspector	8,51,242.00	Each
14033 Chapter 0 10-1-43	Supplying and Erecting approved make 630 kVA,3 phase, 50 c/s, Referrance Standard IS:11171 & IS 2026,Vaccum Cast Coil (VCC) Dry Type Cast Resin Transformer, Copper wound , Dyn11 Vector Group,with delta connection on HV side & star connection on LV side with additional neutral brought out on load side,For Indoor Use Continuous Duty, Average Temp rise of Winding (at Principal Tap) 115 Deg C at Ambient Temp Max 50 Deg C & Min -5 Deg C at full load rating, Voltage rating 11/ 0.433 kV with Tapping(with off circuit Tap Links type tap changer) Tappings on Transformer For Off Load +5 to - 5% @ 2.5% in +2/-2 Steps, HV Variation, Class of Insulation H/H, Method of cooling AN, No Load Loss at Rated Voltage & Frequency (+15% IS Tol) 1.60 KW, Full Load Loss at Rated Current 5.00 KW, with 98.96 % Efficiency at Full Load & 99.10 % at 1/2 Full Load, with 75 KV peak Full Wave Lightning Impulse withstand Voltage with Complete Enclosure having IP 21 Degree of protection, Cable Box arrangement at HV side & Busduct at LV side ,with rating & Diagram Plate, Base Channel, Earthing Terminals & WTI Scanner with 3 PT-100 Sensors,etc. standard accessories complete with Test Certificate (as per IS:11171) as per specification No SS- TR.with necessary permission of Electrical Inspector	9,89,415.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14033 Chapter 1 10-1-44	Supplying and Erecting approved make 750 kVA,3 phase, 50 c/s, Referrance Standard IS:11171 & IS 2026,Vaccum Cast Coil (VCC) Dry Type Cast Resin Transformer, Copper wound , Dyn11 Vector Group,with delta connection on HV side & star connection on LV side with additional neutral brought out on load side,For Indoor Use Continuous Duty, Average Temp rise of Winding (at Principal Tap) 115 Deg C at Ambient Temp Max 50 Deg C & Min -5 Deg C at full load rating, Voltage rating 11/ 0.433 kV with Tapping(with off circuit Tap Links type tap changer) Tappings on Transformer For Off Load +5 to - 5% @ 2.5% in +2/-2 Steps, HV Variation, Class of Insulation H/H, Method of cooling AN, No Load Loss at Rated Voltage & Frequency (+15% IS Tol) 1.90 KW, Full Load Loss at Rated Current 6.75 KW, with 98.86 % Efficiency at Full Load & 99.05 % at 1/2 Full Load, with 75 KV peak Full Wave Lightning Impulse withstand Voltage with Complete Enclouser having IP 21 Degree of protection, Cable Box arrangement at HV side & Busduct at LV side ,with rating & Diagram Plate, Base Channel, Earthing Terminals & WTI Scanner with 3 PT-100 Sensors,etc. standard accessories complete with Test Certificate (as per IS:11171) as per specification No SS- TR.with necessary permission of Electrical Inspector	10,43,177.	Each
14033 Chapter 2 10-1-45	Supplying and Erecting approved make 1000 kVA,3 phase, 50 c/s, Referrance Standard IS:11171 & IS 2026, Vaccum Cast Coil (VCC) Dry Type Cast Resin Transformer, Copper wound , Dyn11 Vector Group,with delta connection on HV side & star connection on LV side with additional neutral brought out on load side,For Indoor Use Continuous Duty, Average Temp rise of Winding (at Principal Tap) 115 Deg C at Ambient Temp Max 50 Deg C & Min -5 Deg C at full load rating, Voltage rating 11/ 0.433 kV with Tapping(with off circuit Tap Links type tap changer) Tappings on Transformer For Off Load +5 to - 5% @ 2.5% in +2/-2 Steps, HV Variation, Class of Insulation H/H, Method of cooling AN, No Load Loss at Rated Voltage & Frequency (+15% IS Tol) 2.20 KW, Full Load Loss at Rated Current 9.25 KW, with 98.87 % Efficiency at Full Load & 99.11 % at 1/2 Full Load, with 75 KV peak Full Wave Lightning Impulse withstand Voltage with Complete Enclouser having IP 21 Degree of protection, Cable Box arrangement at HV side & Busduct at LV side ,with rating & Diagram Plate, Base Channel, Earthing Terminals & WTI Scanner with 3 PT-100 Sensors,etc. standard accessories complete with Test Certificate (as per IS:11171) as per specification No SS- TR.with necessary permission of Electrical Inspector	12,55,881.	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14033 Chapter 3 10-1-46	Supplying and Erecting approved make 315 kVA,3 phase, 50 c/s, Referrance Standard IS 11171 & IEC 60076-11, Vaccum Cast Coil (VCC) Dry Type Cast Resin Transformer, Copper wound , Dyn11 Vector Group,with delta connection on HV side & star connection on LV side with additional neutral brought out on load side,For Indoor Use Continuous Duty, Average Temp rise of Winding (at Principal Tap) 115 Deg C at Ambient Temp Max 50 Deg C & Min -5 Deg C at full load rating, Voltage rating 22/ 0.433 kV with Tapping(with off circuit Bolted Links type tap changer) Tappings on Transformer For Off Load +5 to - 5% @ 2.5% in +2/-2 Steps, HV Variation, Class of Insulation H/H, Method of cooling AN, No Load Loss at Rated Voltage & Frequency (+15% IS Tol) 1.80 KW, Full Load Loss at Rated Current 3.00 KW, with 98.50 % Efficiency at Full Load & 98.41 % at 1/2 Full Load, with 125 KV peak Full Wave Lightning Impulse withstand Voltage with Complete Encloser having IP 23 Degree of protection, Cable Box arrangement at HV side & Busduct at LV side ,with rating & Diagram Plate, Base Channel, Lifting Lugs, Earthing Terminals & WTI Scanner with 3 PT-100 Sensors,etc. standard accessories complete with Test Certificate (as per IS:11171) as per specification No SS- TR.with necessary permission of Electrical Inspector	13,08,638.	Each
14033 Chapter 4 10-1-47	Supplying and Erecting approved make 400 kVA,3 phase, 50 c/s, Referrance Standard IS 11171 & IEC 60076-11, Vaccum Cast Coil (VCC) Dry Type Cast Resin Transformer, Copper wound , Dyn11 Vector Group,with delta connection on HV side & star connection on LV side with additional neutral brought out on load side,For Indoor Use Continuous Duty, Average Temp rise of Winding (at Principal Tap) 115 Deg C at Ambient Temp Max 50 Deg C & Min -5 Deg C at full load rating, Voltage rating 22/ 0.433 kV with Tapping(with off circuit Bolted Links type tap changer) Tappings on Transformer For Off Load +5 to - 5% @ 2.5% in +2/-2 Steps, HV Variation, Class of Insulation H/H, Method of cooling AN, No Load Loss at Rated Voltage & Frequency (+15% IS Tol) 2.00 KW, Full Load Loss at Rated Current 3.60 KW, with 98.62 % Efficiency at Full Load & 98.57 % at 1/2 Full Load, with 125 KV peak Full Wave Lightning Impulse withstand Voltage with Complete Encloser having IP 23 Degree of protection, Cable Box arrangement at HV side & Busduct at LV side ,with rating & Diagram Plate, Base Channel, Lifting Lugs, Earthing Terminals & WTI Scanner with 3 PT-100 Sensors,etc. standard accessories complete with Test Certificate (as per IS:11171) as per specification No SS- TR.with necessary permission of Electrical Inspector	13,35,352.	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14033 Chapter 5 10-1-48	Supplying and Erecting approved make 500 kVA,3 phase, 50 c/s, Referrance Standard IS 11171 & IEC 60076-11, Vaccum Cast Coil (VCC) Dry Type Cast Resin Transformer, Copper wound , Dyn11 Vector Group,with delta connection on HV side & star connection on LV side with additional neutral brought out on load side,For Indoor Use Continuous Duty, Average Temp rise of Winding (at Principal Tap) 115 Deg C at Ambient Temp Max 50 Deg C & Min -5 Deg C at full load rating, Voltage rating 22/ 0.433 kV with Tapping(with off circuit Bolted Links type tap changer) Tappings on Transformer For Off Load +5 to - 5% @ 2.5% in +2/-2 Steps, HV Variation, Class of Insulation H/H, Method of cooling AN, No Load Loss at Rated Voltage & Frequency (+15% IS Tol) 2.20 KW, Full Load Loss at Rated Current 4.50 KW, with 98.68 % Efficiency at Full Load & 98.69 % at 1/2 Full Load, with 125 KV peak Full Wave Lightning Impulse withstand Voltage with Complete Encloser having IP 23 Degree of protection, Cable Box arrangement at HV side & Busduct at LV side ,with rating & Diagram Plate, Base Channel, Lifting Lugs, Earthing Terminals & WTI Scanner with 3 PT-100 Sensors,etc. standard accessories complete with Test Certificate (as per IS:11171) as per specification No SS- TR.with necessary permission of Electrical Inspector	13,72,617.	Each
14033 Chapter 6 10-1-49	Supplying and Erecting approved make 630 kVA,3 phase, 50 c/s, Referrance Standard IS 11171 & IEC 60076-11, Vaccum Cast Coil (VCC) Dry Type Cast Resin Transformer, Copper wound , Dyn11 Vector Group,with delta connection on HV side & star connection on LV side with additional neutral brought out on load side,For Indoor Use Continuous Duty, Average Temp rise of Winding (at Principal Tap) 115 Deg C at Ambient Temp Max 50 Deg C & Min -5 Deg C at full load rating, Voltage rating 22/ 0.433 kV with Tapping(with off circuit Bolted Links type tap changer) Tappings on Transformer For Off Load +5 to - 5% @ 2.5% in +2/-2 Steps, HV Variation, Class of Insulation H/H, Method of cooling AN, No Load Loss at Rated Voltage & Frequency (+15% IS Tol) 2.50 KW, Full Load Loss at Rated Current 5.50 KW, with 98.75 % Efficiency at Full Load & 98.78 % at 1/2 Full Load, with 125 KV peak Full Wave Lightning Impulse withstand Voltage with Complete Encloser having IP 23 Degree of protection, Cable Box arrangement at HV side & Busduct at LV side ,with rating & Diagram Plate, Base Channel, Lifting Lugs, Earthing Terminals & WTI Scanner with 3 PT-100 Sensors,etc. standard accessories complete with Test Certificate (as per IS:11171) as per specification No SS- TR.with necessary permission of Electrical Inspector	14,15,492.	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14033 Chapter 7 10-1-50	Supplying and Erecting approved make 750 kVA,3 phase, 50 c/s, Referrance Standard IS 11171 & IEC 60076-11, Vaccum Cast Coil (VCC) Dry Type Cast Resin Transformer, Copper wound , Dyn11 Vector Group,with delta connection on HV side & star connection on LV side with additional neutral brought out on load side,For Indoor Use Continuous Duty, Average Temp rise of Winding (at Principal Tap) 115 Deg C at Ambient Temp Max 50 Deg C & Min -5 Deg C at full load rating, Voltage rating 22/ 0.433 kV with Tapping(with off circuit Bolted Links type tap changer) Tappings on Transformer For Off Load +5 to - 5% @ 2.5% in +2/-2 Steps, HV Variation, Class of Insulation H/H, Method of cooling AN, No Load Loss at Rated Voltage & Frequency (+15% IS Tol) 2.60 KW, Full Load Loss at Rated Current 7.00 KW, with 98.74 % Efficiency at Full Load & 98.85 % at 1/2 Full Load, with 125 KV peak Full Wave Lightning Impulse withstand Voltage with Complete Encloser having IP 23 Degree of protection, Cable Box arrangement at HV side & Busduct at LV side ,with rating & Diagram Plate, Base Channel, Lifting Lugs, Earthing Terminals & WTI Scanner with 3 PT-100 Sensors,etc. standard accessories complete with Test Certificate (as per IS:11171) as per specification No SS- TR.with necessary permission of Electrical Inspector	14,63,142.	Each
14033 Chapter 8 10-1-51	Supplying and Erecting approved make 1000 kVA,3 phase, 50 c/s, Referrance Standard IS 11171 & IEC 60076-11, Vaccum Cast Coil (VCC) Dry Type Cast Resin Transformer, Copper wound , Dyn11 Vector Group,with delta connection on HV side & star connection on LV side with additional neutral brought out on load side,For Indoor Use Continuous Duty, Average Temp rise of Winding (at Principal Tap) 115 Deg C at Ambient Temp Max 50 Deg C & Min -5 Deg C at full load rating, Voltage rating 22/ 0.433 kV with Tapping(with off circuit Bolted Links type tap changer) Tappings on Transformer For Off Load +5 to - 5% @ 2.5% in +2/-2 Steps, HV Variation, Class of Insulation H/H, Method of cooling AN, No Load Loss at Rated Voltage & Frequency (+15% IS Tol) 3.20 KW, Full Load Loss at Rated Current 9.30 KW, with 98.77 % Efficiency at Full Load & 98.91 % at 1/2 Full Load, with 125 KV peak Full Wave Lightning Impulse withstand Voltage with Complete Encloser having IP 23 Degree of protection, Cable Box arrangement at HV side & Busduct at LV side ,with rating & Diagram Plate, Base Channel, Lifting Lugs, Earthing Terminals & WTI Scanner with 3 PT-100 Sensors,etc. standard accessories complete with Test Certificate (as per IS:11171) as per specification No SS- TR.with necessary permission of Electrical Inspector	15,91,433.	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14033 Chapter 9 10-1-52	Supplying and Erecting approved make Compact Substation with 100 kVA,3 phase, 50 c/s ONAN Type UNIPACK 21KA for 3 Sec. SF6 insulated Non-Extensible Compact switchgear (Type DV-NE) consisting of one No. Direct Cable madule and One No. Fixed Manual Vacuum Circuit Breaker in SF6 insulated stainless steel enclosure, with series trip, self powered microprocessor based numerical over current relay (IDMTL + Inst.) protection. Interconnection between HT switchgear and transformer shall be using 1Cx3x95 sq.mm Al. unarmorured XLPE Cable.Copper wound transformer 100KVA 11KV/433V Dyn11 Oil filled, INDOOR TYPE TRANSFORMER BUSHINGS,hermatically sealed transformer with corrugated wall,without conservator type of design & Top Normal Porcelain Bushings for HT & LT with Off load tap switch of rating +5% to -10% @2.5%. Temp Rise - Oil/Winding 40/45 Deg cel. Losses (Subject to IS 1180 Energy Efficiency level 2) - Max @ 50% Loading : As per IS 1180 and Max @ 100% Loading : As per IS 1180 and Impedance As per IS 1180 with LV PANEL-200 AMPS ALUMINUM BUSBAR (100% for Phase and 50% for Neutral, Current Density - 1amp/sqmm) with Outgoings 200Amps 433V 4P 50Hz 35KA ICOG Fixed Manual Type Moulded case Circuit Breaker (MCCB) with Microprocessor based release for Overload , short circuit & earth Fault protection., Multifunctional Meter with Class 1.0Accuracy with RS 485 Port, RYB, ON/OFF Trip Indications, OUTDOOR ENCLOSURE having IP54 degree of protection for HT & LT switchgear compartment & IP23 degree of protection for Transformer compartment, Powder /Colour Coated Enclosure, with Interconnection Between HT switchgear & Transformer using 1Cx3x95Sq.mm XLPE AL Single core cable. Interconnection between Transformer & LT switchgear using Al. Busbars. Internal earthing connections by using 50x6 mm GI Strips including Transformer Neutral, Complete as per specification No SS-TR/COMP with necessary permission of Electrical Inspector	16,22,753.	Each
14034 Chapter 0 10-1-53	Supplying and Erecting approved make Compact Substation with 200 kVA,3 phase, 50 c/s ONAN Type UNIPACK 21KA for 3 Sec. SF6 insulated Non-Extensible Compact switchgear (Type DV-NE) consisting of one No. Direct Cable madule and One No. Fixed Manual Vacuum Circuit Breaker in SF6 insulated stainless steel enclosure, with series trip, self powered microprocessor based numerical over current relay (IDMTL + Inst.) protection. Interconnection between HT switchgear and transformer shall be using 1Cx3x120 sq.mm Al. unarmorured XLPE Cable.Copper wound transformer 200KVA 11KV/433V Dyn11 Oil filled, INDOOR TYPE TRANSFORMER BUSHINGS,hermatically sealed transformer with corrugated wall,without conservator type of design & Top	17,93,251.	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14034 Chapter 1 10-1-54	<p>Normal Porcelain Bushings for HT & LT with Off load tap switch of rating +5% to -10% @2.5%. Temp Rise - Oil/Winding 40/45 Deg cel. Losses (Subject to IS 1180 Energy Efficiency level 2 - Max @ 50% Loading : As per IS 1180 and Max @ 100% Loading : As per IS 1180 and Impedance As per IS 1180 with LV PANEL-315 AMPS ALUMINUM BUSBAR (100% for Phase and 50% for Neutral, Current Density - 1amp/sqmm) with Outgoings 315 Amps 433V 4P 50Hz 35KA ICOG Fixed Manual Type Moulded case Circuit Breaker (MCCB) with Microprocessor based release for Overload , short circuit & earth Fault protection., Multifunctional Meter with Class 1.0Accuracy with RS 485 Port, RYB, ON/OFF Trip Indications, OUTDOOR ENCLOSURE having IP54 IP54 degree of protection for HT & LT switchgear compartment & IP23 degree of protection for Transformer compartment, Powder /Colour Caoated Enclouser, with Interconnection Between HT switchgear & Transformer using 1Cx3x120 Sq.mm XLPE AL Single core cable. Interconnection between Transformer & LT switchgear using Al. Busbars. Internal earthing connections by using 50x6 mm GI Strips including Transformer Neutral, Complete as per specification No SS-TR/COMP with necessary permission of Electrical Inspector</p> <p>Supplying and Erecting approved make Compact Substation with 315 kVA,3 phase, 50 c/s ONAN Type UNIPACK 21KA for 3 Sec. SF6 insulated Non-Extinsible Compact switchgear (Type DV-NE) consisting of one No. Direct Cable madule and One No. Fixed Manual Vacuum Circuit Breaker in SF6 insulated stainless steel enclosure, with series trip, self powered microprocessor based numerical over current relay (IDMTL + Inst.) protection. Interconnection between HT switchgear and transformer shall be using 1Cx3x150 sq.mm Al. unarmorured XLPE Cable.Copper wound transformer 315 KVA 11KV/433V Dyn11 Oil filled, INDOOR TYPE TRANSFORMER BUSHINGS,hermatically sealed transformer with corrugated wall,without conservator type of design & Top Normal Porcelain Bushings for HT & LT with Off load tap switch of rating +5% to -10% @2.5%. Temp Rise - Oil/Winding 40/45 Deg cel. Losses (Subject to IS 1180 Energy Efficiency level 2 - Max @ 50% Loading : As per IS 1180 and Max @ 100% Loading : As per IS 1180 and Impedance As per IS 1180 with LV PANEL-500 AMPS ALUMINUM BUSBAR (100% for Phase and 50% for Neutral, Current Density - 1amp/sqmm) with Outgoings 500 Amps 433V 4P 50Hz 35KA ICOG Fixed Manual Type Moulded case Circuit Breaker (MCCB) with Microprocessor based release for Overload , short circuit & earth Fault protection., Multifunctional Meter with Class 1.0Accuracy with RS 485 Port, RYB, ON/OFF Trip Indications, OUTDOOR ENCLOSURE having IP54 IP54 degree of protection for</p>	19,07,391.	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14034 Chapter 2 10-1-55	<p>HT & LT switchgear compartment & IP23 degree of protection for Transformer compartment, Powder /Colour Coated Enclosure, with Interconnection Between HT switchgear & Transformer using 1Cx3x150 Sq.mm XLPE AL Single core cable. Interconnection between Transformer & LT switchgear using Al. Busbars. Internal earthing connections by using 50x6 mm GI Strips including Transformer Neutral, Complete as per specification No SS-TR/COMP with necessary permission of Electrical Inspector</p> <p>Supplying and Erecting approved make Compact Substation with 400 kVA,3 phase, 50 c/s ONAN Type UNIPACK 21KA for 3 Sec. SF6 insulated Non-Extinsible Compact switchgear (Type DV-NE) consisting of one No. Direct Cable madule and One No. Fixed Manual Vacuum Circuit Breaker in SF6 insulated stainless steel enclosure, with series trip, self powered microprocessor based numerical over current relay (IDMTL + Inst.) protection. Interconnection between HT switchgear and transformer shall be using 1Cx3x150 sq.mm Al. unarmorured XLPE Cable.Copper wound transformer 400KVA 11KV/433V DYn11 Oil filled, INDOOR TYPE TRANSFORMER BUSHINGS,hermatically sealed transformer with corrugated wall,without conservator type of design & Top Normal Porcelain Bushings for HT & LT with Off load tap switch of rating +5% to -10% @2.5%. Temp Rise - Oil/Winding 40/45 Deg cel. Losses (Subject to IS 1180 Energy Efficiency level 2) - Max @ 50% Loading : As per IS 1180 and Max @ 100% Loading : As per IS 1180 and Impedance As per IS 1180 with LV PANEL-630 AMPS ALUMINUM BUSBAR (100% for Phase and 50% for Neutral, Current Density - 1amp/sqmm) with Outgoings 630Amps 433V 4P 50Hz 35KA ICOG, Fixed Manual Type Air Circuit Breaker (ACB) with Microprocessor based release for Overload , short circuit & earth Fault protection., Multifunctional Meter with Class 1.0Accuracy with RS 485 Port, RYB, ON/OFF Trip Indications, OUTDOOR ENCLOSURE having IP54 degree of protection for HT & LT switchgear compartment & IP23 degree of protection for Transformer compartment, Powder /Colour Coated Enclosure, with Interconnection Between HT switchgear & Transformer using 1Cx3x150 Sq.mm XLPE AL Single core cable. Interconnection between Transformer & LT switchgear using Al. Busbars. Internal earthing connections by using 50x6 mm GI Strips including Transformer Neutral, Complete as per specification No SS-TR/COMP with necessary permission of Electrical Inspector</p>	20,09,305.	Each
14034 Chapter 3 10-1-56	<p>Supplying and Erecting approved make Compact Substation with 500 kVA,3 phase, 50 c/s ONAN Type UNIPACK 21KA for 3 Sec. SF6 insulated Non-Extinsible Compact switchgear (Type DV-NE) consisting of one No. Direct Cable madule and One No. Fixed</p>	21,21,770.	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	<p>Manual Vacuum Circuit Breaker in SF6 insulated stainless steel enclosure, with series trip, self powered microprocessor based numerical over current relay (IDMTL + Inst.) protection. Interconnection between HT switchgear and transformer shall be using 1Cx3x150 sq.mm Al. unarmorured XLPE Cable.Copper wound transformer 500KVA 11KV/433V DYn11 Oil filled, INDOOR TYPE TRANSFORMER BUSHINGS,hermatically sealed transformer with corrugated wall,without conservator type of design & Top Normal Porcelain Bushings for HT & LT with Off load tap switch of rating +5% to -10% @2.5%. Temp Rise - Oil/Winding 40/45 Deg cel. Losses (Subject to IS 1180 Energy Efficiency level 2) - Max @ 50% Loading : As per IS 1180 and Max @ 100% Loading : As per IS 1180 and Impedance As per IS 1180 with LV PANEL-800 AMPS ALUMINUM BUSBAR (100% for Phase and 50% for Neutral, Current Density - 1amp/sqmm) with Outgoings 800Amps 433V 4P 50Hz 35KA ICOG, Fixed Manual Type Air Circuit Breaker (ACB) with Microprocessor based release for Overload , short circuit & earth Fault protection., Multifunctional Meter with Class 1.0Accuracy with RS 485 Port, RYB, ON/OFF Trip Indications, OUTDOOR ENCLOSURE having IP54 degree of protection for HT & LT switchgear compartment & IP23 degree of protection for Transformer compartment, Powder /Colour Coated Enclosure, with Interconnection Between HT switchgear & Transformer using 1Cx3x150 Sq.mm XLPE AL Single core cable. Interconnection between Transformer & LT switchgear using Al. Busbars. Internal earthing connections by using 50x6 mm GI Strips including Transformer Neutral, Complete as per specification No SS-TR/COMP with necessary permission of Electrical Inspector</p>		
14034 Chapter 4 10-1-57	<p>Supplying and Erecting approved make Compact Substation with 630 kVA,3 phase, 50 c/s ONAN Type UNIPACK 21KA for 3 Sec. SF6 insulated Non-Extinsible Compact switchgear (Type DV-NE) consisting of one No. Direct Cable madule and One No. Fixed Manual Vacuum Circuit Breaker in SF6 insulated stainless steel enclosure, with series trip, self powered microprocessor based numerical over current relay (IDMTL + Inst.) protection. Interconnection between HT switchgear and transformer shall be using 1Cx3x185 sq.mm Al. unarmorured XLPE Cable.Copper wound transformer 630KVA 11KV/433V DYn11 Oil filled, INDOOR TYPE TRANSFORMER BUSHINGS,hermatically sealed transformer with corrugated wall,without conservator type of design & Top Normal Porcelain Bushings for HT & LT with Off load tap switch of rating +5% to -10% @2.5%. Temp Rise - Oil/Winding 40/45 Deg cel. Losses (Subject to IS 1180 Energy Efficiency level 2) - Max @ 50% Loading : As per IS 1180 and Max @ 100% Loading : As per</p>	23,29,197.	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14034 Chapter 5 10-1-58	<p>IS 1180 and Impedance As per IS 1180 with LV PANEL-1000 AMPS ALUMINUM BUSBAR (100% for Phase and 50% for Neutral, Current Density - 1amp/sqmm) with Outgoings 1000Amps 433V 4P 50Hz 50KA ICOG Fixed Manual Type Air Circuit Breaker (ACB) with Microprocessor based release for Overload , short circuit & earth Fault protection, Multifunctional Meter with Class 1.0Accuracy with RS 485 Port, RYB, ON/OFF Trip Indications, OUTDOOR ENCLOSURE having IP54 IP54 degree of protection for HT & LT switchgear compartment & IP23 degree of protection for Transformer compartment, Powder /Colour Coated Enclosure, with Interconnection Between HT switchgear & Transformer using 1Cx3x185Sq.mm XLPE AL Single core cable. Interconnection between Transformer & LT switchgear using Al. Busbars. Internal earthing connections by using 50x6 mm GI Strips including Transformer Neutral, Complete as per specification No SS-TR/COMP with necessary permission of Electrical Inspector</p> <p>Supplying and Erecting approved make Compact Substation with 1000 kVA,3 phase, 50 c/s ONAN Type UNIPACK 21KA for 3 Sec. SF6 insulated Non-Extinsible Compact switchgear (Type DV-NE) consisting of one No. Direct Cable madule and One No. Fixed Manual Vacuum Circuit Breaker in SF6 insulated stainless steel enclosure, with series trip, self powered microprocessor based numerical over current relay (IDMTL + Inst.) protection. Interconnection between HT switchgear and transformer shall be using 1Cx3x200 sq.mm Al. unarmorured XLPE Cable.Copper wound transformer 1000KVA 11KV/433V Dyn11 Oil filled, INDOOR TYPE TRANSFORMER BUSHINGS,hermatically sealed transformer with corrugated wall,without conservator type of design & Top Normal Porcelain Bushings for HT & LT with Off load tap switch of rating +5% to -10% @2.5%. Temp Rise - Oil/Winding 40/45 Deg cel. Losses (Subject to IS 1180 Energy Efficiency level 2) - Max @ 50% Loading : As per IS 1180 and Max @ 100% Loading : As per IS 1180 and Impednace As per IS 1180 with LV PANEL-1600 AMPS ALUMINUM BUSBAR (100% for Phase and 50% for Neutral, Current Density - 1amp/sqmm) with Outgoings 1600Amps 433V 4P 50Hz 50KA ICOG Fixed Manual Type Air Circuit Breaker (ACB) with Microprocessor based release for Overload , short circuit & earth Fault protection, Multifunctional Meter with Class 1.0Accuracy with RS 485 Port, RYB, ON/OFF Trip Indications, OUTDOOR ENCLOSURE having IP54 degree of protection for HT & LT switchgear compartment & IP23 degree of protection for Transformer compartment, Powder /Colour Caoated Enclouser, with Interconnection Between HT switchgear & Transformer using 1Cx3x200 Sq.mm XLPE AL Single core cable. Interconnection</p>	25,75,230.	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14034 Chapter 6 10-1-59	<p>between Transformer & LT switchgear using Al. Busbars. Internal earthing connections by using 50x6 mm GI Strips including Transformer Neutral, Complete as per specification No SS-TR/COMP with necessary permission of Electrical Inspector</p> <p>Supplying and Erecting approved make Compact Substation with 200 kVA,3 phase, 50 c/s ONAN Type UNIPACK 21KA for 3 Sec. SF6 insulated Non-Extinsible Compact switchgear (Type DV-NE) consisting of one No. Direct Cable madule and One No. Fixed Manual Vacuum Circuit Breaker in SF6 insulated stainless steel enclosure, with series trip, self powered microprocessor based numerical over current relay (IDMTL + Inst.) protection. Interconnection between HT switchgear and transformer shall be using 1Cx3x120 sq.mm Al. unarmorured XLPE Cable.Copper wound transformer 200KVA 22 KV/433V Dyn11 Oil filled, hermatically sealed transformer with corrugated wall,without conservator type of design & Top Normal Porcelain Bushings for HT & LT with Off load tap switch of rating +5% to -10% @2.5%. Temp Rise - Oil/Winding 40/45 Deg cel. Losses (Subject to IS 1180 Energy Efficiency level 2) - Max @ 50% Loading : As per IS 1180 and Max @ 100% Loading : As per IS 1180 and Impednace As per IS 1180 with LV PANEL-315 AMPS ALUMINUM BUSBAR (100% for Phase and 50% for Neutral, Current Density - 1amp/sqmm) with Outgoings 315 Amps 433V 4P 50Hz 35KA ICOG Fixed Manual Type Moulded case Circuit Breaker (MCCB) with Microprocessor based release for Overload , short circuit & earth Fault protection., Multifunctional Meter with Class 1.0Accuracy with RS 485 Port, RYB, ON/OFF Trip Indications, OUTDOOR ENCLOSURE having IP54 degree of protection for HT & LT switchgear compartment & IP23 degree of protection for Transformer compartment, Powder /Colour Coated Enclousre, with Interconnection Between HT switchgear & Transformer using 1Cx3x120Sq.mm XLPE AL Single core cable. Interconnection between Transformer & LT switchgear using Al. Busbars. Internal earthing connections by using 50x6 mm GI Strips including Transformer Neutral, Complete as per specification No SS- TR/COMP with necessary permission of Electrical Inspector</p>	19,62,074.	Each
14034 Chapter 7 10-1-60	<p>Supplying and Erecting approved make Compact Substation with 315 kVA,3 phase, 50 c/s ONAN Type UNIPACK 21KA for 3 Sec. SF6 insulated Non-Extinsible Compact switchgear (Type DV-NE) consisting of one No. Direct Cable madule and One No. Fixed Manual Vacuum Circuit Breaker in SF6 insulated stainless steel enclosure, with series trip, self powered microprocessor based numerical over current relay (IDMTL + Inst.) protection. Interconnection between HT switchgear and transformer shall be using 1Cx3x150 sq.mm Al. unarmorured XLPE Cable.Copper</p>	21,07,868.	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14034 Chapter 8 10-1-61	<p>wound transformer 315 KVA 22 KV/433V Dyn11 Oil filled, hermetically sealed transformer with corrugated wall, without conservator type of design & Top Normal Porcelain Bushings for HT & LT with Off load tap switch of rating +5% to -10% @2.5%. Temp Rise - Oil/Winding 40/45 Deg cel. Losses (Subject to IS 1180 Energy Efficiency level 2) - Max @ 50% Loading : As per IS 1180 and Max @ 100% Loading : As per IS 1180 and Impedance As per IS 1180 with LV PANEL-500 AMPS ALUMINUM BUSBAR (100% for Phase and 50% for Neutral, Current Density - 1amp/sqmm) with Outgoings 500 Amps 433V 4P 50Hz 35KA ICOG Fixed Manual Type Moulded case Circuit Breaker (MCCB) with Microprocessor based release for Overload , short circuit & earth Fault protection., Multifunctional Meter with Class 1.0 Accuracy with RS 485 Port, RYB, ON/OFF Trip Indications, OUTDOOR ENCLOSURE having IP54 degree of protection for HT & LT switchgear compartment & IP23 degree of protection for Transformer compartment, Powder /Colour Coated Enclosure, with Interconnection Between HT switchgear & Transformer using 1Cx3x150Sq.mm XLPE AL Single core cable. Interconnection between Transformer & LT switchgear using Al. Busbars. Internal earthing connections by using 50x6 mm GI Strips including Transformer Neutral, Complete as per specification No SS- TR/COMP with necessary permission of Electrical Inspector</p> <p>Supplying and Erecting approved make Compact Substation with 400 kVA, 3 phase, 50 c/s ONAN Type UNIPACK 21KA for 3 Sec. SF6 insulated Non-Extensible Compact switchgear (Type DV-NE) consisting of one No. Direct Cable module and One No. Fixed Manual Vacuum Circuit Breaker in SF6 insulated stainless steel enclosure, with series trip, self powered microprocessor based numerical over current relay (IDMTL + Inst.) protection. Interconnection between HT switchgear and transformer shall be using 1Cx3x150 sq.mm Al. unarmoured XLPE Cable. Copper wound transformer 400KVA 22 KV/433V Dyn11 Oil filled, hermetically sealed transformer with corrugated wall, without conservator type of design & Top Normal Porcelain Bushings for HT & LT with Off load tap switch of rating +5% to -10% @2.5%. Temp Rise - Oil/Winding 40/45 Deg cel. Losses (Subject to IS 1180 Energy Efficiency level 2) - Max @ 50% Loading : As per IS 1180 and Max @ 100% Loading : As per IS 1180 and Impedance As per IS 1180 with LV PANEL-630 AMPS ALUMINUM BUSBAR (100% for Phase and 50% for Neutral, Current Density - 1amp/sqmm) with Outgoings 630Amps 433V 4P 50Hz 35KA ICOG, Fixed Manual Type Air Circuit Breaker (ACB) with Microprocessor based release for Overload , short circuit & earth Fault protection., Multifunctional Meter with Class 1.0 Accuracy with RS 485 Port, RYB, ON/OFF Trip</p>	22,20,334.	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14034 Chapter 9 10-1-62	<p>Indications, OUTDOOR ENCLOSURE having IP54 degree of protection for HT & LT switchgear compartment & IP23 degree of protection for Transformer compartment, Powder /Colour Coated Enclosure, with Interconnection Between HT switchgear & Transformer using 1Cx3x150Sq.mm XLPE AL Single core cable. Interconnection between Transformer & LT switchgear using Al. Busbars. Internal earthing connections by using 50x6 mm GI Strips including Transformer Neutral, Complete as per specification No SS- TR/COMP with necessary permission of Electrical Inspector</p> <p>Supplying and Erecting approved make Compact Substation with 500 kVA,3 phase, 50 c/s ONAN Type UNIPACK 21KA for 3 Sec. SF6 insulated Non-Extinsible Compact switchgear (Type DV-NE) consisting of one No. Direct Cable madule and One No. Fixed Manual Vacuum Circuit Breaker in SF6 insulated stainless steel enclosure, with series trip, self powered microprocessor based numerical over current relay (IDMTL + Inst.) protection. Interconnection between HT switchgear and transformer shall be using 1Cx3x150 sq.mm Al. unarmorured XLPE Cable.Copper wound transformer 500KVA 22 KV/433V Dyn11 Oil filled, INDOOR TYPE TRANSFORMER BUSHINGS, hermatically sealed transformer with corrugated wall,without conservator type of design & Top Normal Porcelain Bushings for HT & LT with Off load tap switch of rating +5% to -10% @2.5%. Temp Rise - Oil/Winding 40/45 Deg cel. Losses (Subject to IS 1180 Energy Efficiency level 2) - Max @ 50% Loading : As per IS 1180 and Max @ 100% Loading : As per IS 1180 and Impednace As per IS 1180 with LV PANEL-800 AMPS ALUMINUM BUSBAR (100% for Phase and 50% for Neutral, Current Density - 1amp/sqmm) with Outgoings 800Amps 433V 4P 50Hz 35KA ICOG, Fixed Manual Type Air Circuit Breaker (ACB) with Microprocessor based release for Overload , short circuit & earth Fault protection., Multifunctional Meter with Class 1.0Accuracy with RS 485 Port, RYB, ON/OFF Trip Indications, OUTDOOR ENCLOSURE having IP54 degree of protection for HT & LT switchgear compartment & IP23 degree of protection for Transformer compartment, Powder /Colour Coated Enclosure, with Interconnection Between HT switchgear & Transformer using 1Cx3x150Sq.mm XLPE AL Single core cable. Interconnection between Transformer & LT switchgear using Al. Busbars. Internal earthing connections by using 50x6 mm GI Strips including Transformer Neutral, Complete as per specification No SS- TR/COMP with necessary permission of Electrical Inspector</p>	23,32,799.	Each
14035 Chapter 0 10-1-63	<p>Supplying and Erecting approved make Compact Substation with 630 kVA,3 phase, 50 c/s ONAN Type UNIPACK 21KA for 3 Sec. SF6 insulated Non-Extinsible Compact switchgear (Type DV-NE)</p>	25,56,053.	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	<p>consisting of one No. Direct Cable module and One No. Fixed Manual Vacuum Circuit Breaker in SF6 insulated stainless steel enclosure, with series trip, self powered microprocessor based numerical over current relay (IDMTL + Inst.) protection. Interconnection between HT switchgear and transformer shall be using 1Cx3x185 sq.mm Al. unarmoured XLPE Cable. Copper wound transformer 630KVA 22 KV/433V Dyn11 Oil filled, INDOOR TYPE TRANSFORMER BUSHINGS, hermetically sealed transformer with corrugated wall, without conservator type of design & Top Normal Porcelain Bushings for HT & LT with Off load tap switch of rating +5% to -10% @2.5%. Temp Rise - Oil/Winding 40/45 Deg cel. Losses (Subject to IS 1180 Energy Efficiency level 2) - Max @ 50% Loading : As per IS 1180 and Max @ 100% Loading : As per IS 1180 and Impedance As per IS 1180 with LV PANEL-1000 AMPS ALUMINUM BUSBAR (100% for Phase and 50% for Neutral, Current Density - 1amp/sqmm) with Outgoings 1000Amps 433V 4P 50Hz 50KA ICOG Fixed Manual Type Air Circuit Breaker (ACB) with Microprocessor based release for Overload , short circuit & earth Fault protection, Multifunctional Meter with Class 1.0 Accuracy with RS 485 Port, RYB, ON/OFF Trip Indications, OUTDOOR ENCLOSURE having IP54 degree of protection for HT & LT switchgear compartment & IP23 degree of protection for Transformer compartment, Powder /Colour Coated Enclosure, with Interconnection Between HT switchgear & Transformer using 1Cx3x185Sq.mm XLPE AL Single core cable. Interconnection between Transformer & LT switchgear using Al. Busbars. Internal earthing connections by using 50x6 mm GI Strips including Transformer Neutral, Complete as per specification No SS-TR/COMP with necessary permission of Electrical Inspector</p>		
14035 Chapter 1 10-1-64	<p>Supplying and Erecting approved make Compact Substation with 1000 kVA, 3 phase, 50 c/s ONAN Type UNIPACK 21KA for 3 Sec. SF6 insulated Non-Extensible Compact switchgear (Type DV-NE) consisting of one No. Direct Cable module and One No. Fixed Manual Vacuum Circuit Breaker in SF6 insulated stainless steel enclosure, with series trip, self powered microprocessor based numerical over current relay (IDMTL + Inst.) protection. Interconnection between HT switchgear and transformer shall be using 1Cx3x200 sq.mm Al. unarmoured XLPE Cable. Copper wound transformer 1000KVA 22KV/433V Dyn11 Oil filled, INDOOR TYPE TRANSFORMER BUSHINGS, hermetically sealed transformer with corrugated wall, without conservator type of design & Top Normal Porcelain Bushings for HT & LT with Off load tap switch of rating +5% to -10% @2.5%. Temp Rise - Oil/Winding 40/45 Deg cel. Losses (Subject to IS 1180 Energy Efficiency level 2) - Max @</p>	28,28,465.	Each

		Rate In (Rs)	
Item Description		Rate	Unit
<p>50% Loading : As per IS 1180 and Max @ 100% Loading : As per IS 1180 and Impednace As per IS 1180 with LV PANEL-1600 AMPS ALUMINUM BUSBAR (100% for Phase and 50% for Neutral, Current Density - 1amp/sqmm) with Outgoings 1600Amps 433V 4P 50Hz 50KA ICOG Fixed Manual Type Air Circuit Breaker (ACB) with Microprocessor based release for Overload , short circuit & earth Fault protection, Multifunctional Meter with Class 1.0Accuracy with RS 485 Port, RYB, ON/OFF Trip Indications, OUTDOOR ENCLOSURE having IP54 IP54 degree of protection for HT & LT switchgear compartment & IP23 degree of protection for Transformer compartment, Powder /Colour Coated Enclosure, with Interconnection Between HT switchgear & Transformer using 1Cx3x200 Sq.mm XLPE AL Single core cable. Interconnection between Transformer & LT switchgear using Al. Busbars. Internal earthing connections by using 50x6 mm GI Strips including Transformer Neutral, Complete as per specification No SS-TR/COMP with necessary permission of Electrical Inspector</p>			
Chapter 10-2 Accessories			
14035	Chapter 10-2-1	Supplying and erecting approved make 11 kV out door type gang operated air break, triple pole switch 200A, capacity with 3 post pin type insulator per phase, mounted in horizontal or vertical position with necessary channels on provided cross arm with adequate length of "C" class G.I. pipe for operating handle erected on extended square shaft. The operating handle provided with lock and key at suitable height from ground level with necessary clamp.	16,659.00 Per Set
14035	Chapter 10-2-2	Supplying and erecting approved make 11 kV out door type gang operated air break, triple pole switch 400A, capacity with 3 post pin type insulator per phase, mounted in horizontal or vertical position with necessary channels on provided cross arm with adequate length of "C" class G.I. pipe for operating handle erected on extended square shaft. The operating handle provided with lock and key at suitable height from ground level with necessary clamp.	18,031.00 Per Set
14035	Chapter 10-2-3	Supplying and erecting approved make 22 kV out door type gang operated air break, triple pole switch 200A, capacity with 3 post pin type insulator per phase, mounted in horizontal or vertical position with necessary channels on provided cross arm with adequate length of "C" class G.I. pipe for operating handle erected on extended square shaft. The operating handle provided with lock and key at suitable height from ground level with necessary clamp.	24,889.00 Per Set

		Rate In (Rs)	
Item Description		Rate	Unit
14035	Chapter 10-2-4 5	Supplying and erecting approved make 33 kV out door type gang operated air break, triple pole switch 200A, capacity with 3 post pin type insulator double stack per phase, mounted in horizontal position with necessary channels on provided cross arm with adequate length of "C" class G.I. pipe for operating handle erected on extended square shaft. The operating handle provided with lock and key at suitable height from ground level with necessary clamp.	38,548.00 Per Set
14035	Chapter 10-2-5 6	Supplying and erecting approved make, 11 kV out door type drop out fuse with insulator complete with fuse holders, fuse barrel with metal fitting, fuse element mounted on M.S. channel with working current of 15 Amps capacity complete erected on provided cross arm.	9,695.00 Per Set
14035	Chapter 10-2-6 7	Supplying and erecting approved make, 22 kV out door type drop out fuse with insulator complete with fuse holders, fuse barrel with metal fitting, fuse element mounted on M.S. channel with working current of 15 Amps capacity complete erected on provided cross arm.	16,237.00 Per Set
14035	Chapter 10-2-7 8	Supplying and erecting approved make, 33 kV out door type drop out fuse with insulator complete with fuse holders, fuse barrel with metal fitting, fuse element mounted on M.S. channel with working current of 15 Amps capacity complete erected on provided cross arm.	21,513.00 Per Set
14035	Chapter 10-2-8 9	Supplying and erecting 11 kV fuse barrel with metal fittings.	337.00 Each
14036	Chapter 10-2-9 0	Supplying and erecting 22 kV fuse barrel with metal fittings.	537.00 Each
14036	Chapter 10-2-10 1	Supplying and erecting hard drawn copper solid wire No.0 to 6 SWG complete erected for connections on H.T. sides.	853.00 kg
14036	Chapter 10-2-11 2	Supplying and erecting extra thick alkathene pipe 10mm. dia erected to enclose bare conductor wires. (use shall be restricted to H.T.)	42.00 Meter
14036	Chapter 10-2-12 3	Supplying operating rod, suitable for 11/22kV supply with clamps for removing drop out fuses at 6 meters length, 4 pieces each with rain shade with hand grip including earthing chain 1.5 m (Light duty)	3,366.00 Each
14036	Chapter 10-2-13 4	Supplying Heavy duty operating rod, Outer Dia 25 mm & inner dia 20 mm suitable for 11 kV with brass couplings etc for removing drop out fuses at 6 meters length, 4 pieces each with rain shade with hand grip including earthing chain 1.5 m	3,587.00 Each

			Rate In (Rs)	
Item Description			Rate	Unit
14036 5	Chapter 10-2-14	Supplying Heavy duty operating rod, Outer Dia 25 mm & inner dia 20 mm suitable for 22/33 kV with brass couplings etc for removing drop out fuses at 6 m length, 4 pieces each with rain shade with hand grip including earthing chain 1.5 m	4,326.00	Each
14036 6	Chapter 10-2-15	Supplying and erecting copper tubular bus 20mm. dia 1.6 mm (16 SWG) thick for the use of high tension over head bus and erected on provided HT insulators with clamps, nuts and bolts complete. (weight per meter of bus is about 1.7 kg.)	1,487.00	Meter
14036 7	Chapter 10-2-16	Supplying and erecting clamps, made out of 25x3mm, copper strips to be fixed to tubular bus for connecting the bare copper wire to other equipment, with brass nuts bolts of suitable dia.	189.00	Each
14036 8	Chapter 10-2-17	Supplying and erecting anticlimbing devices, fabricated from pole clamps of MS Flat 40x5 mm, with drooping spikes 15 cm. in length, welded to it and erected on pole.	149.00	Each
14036 9	Chapter 10-2-18	Supplying and erecting fencing of section having size 2450 mm in height from ground level and 1200 mm width with angle iron frame work erected in C C foundation and painted as per specification No SS-AS/FSG	5,188.00	Each
14037 0	Chapter 10-2-19	Supplying and erecting 50 x 50 x 6 mm. angle iron as corner support 2m long fixed at the middle of the fencing frame and the other side inclined at 30 degree angle, in C.C. foundation of 15 x 15 x 40cm complete duly painted with one coat of red oxide and two coats aluminum paint.	1,054.00	Each
14037 1	Chapter 10-2-20	Supplying and erecting double leaf hinged door each 1500mm in width x 1850 mm in height using B class ,GI pipe with angle iron supports, chain link wiremesh (jali) complete supported on channel iron, erected in foundation, and painted as per specification no SS-AS/DLD	15,672.00	Each
14037 2	Chapter 10-2-21	Supplying & erecting barbed wire two ply with 12 SWG ply and 12 SWG barb with a gap between two bars of 75 mm. firmly fixed on provided angle supports with necessary materials. (6.044 meters/kg.).	103.00	kg
14037 3	Chapter 10-2-22	Providing printed instruction chart for treating persons suffering from electric shock, printed in English & Marathi and duly laminated.	110.00	Each
14037 4	Chapter 10-2-23	Providing pair of duly tested rubber hand gloves as per IS :47705 suitable for working upto 22kV supply.	549.00	Each
14037 5	Chapter 10-2-24	Providing Round bottom FIRE Bucket of 9 Litres capacity as per IS : 2546 made out of 24 gauge G.I. sheet with extra handle at	627.00	Each

		Rate In (Rs)	
		Rate	Unit
	with nut & bolts grouted in wall complete.		
14038 Chapter 6 10-2-35	Supplying and erecting ABC powder type 'Ceasefire' type fire extinguisher as per IS : 13849/15683 of 1 kg capacity with necessary clamp for erection on wall.	2,005.00	Each
14038 Chapter 7 10-2-36	Supplying and erecting ABC powder type fire extinguisher as per IS : 13849 /15683 of 6 kg capacity with necessary clamp for erection on wall.	3,537.00	Each
14038 Chapter 8 10-2-37	Supplying SMC Chequered plates, hot press moulded from advanced composites of plastics namely sheet moulding compound of thicknes 2.5 mm with insulation level upto 22 kV and fixing it to substation floor with SR-998 adhesive alongwith 5 mm thick E.P. foam as per specification.	4,451.00	Each
14038 Chapter 9 10-2-38	Supplying SMC Chequered plates, hot press moulded from advanced composites of plastics namely sheet moulding compound of thicknes 5 mm with insulation level suitable for 33 kV and fixing it to substation floor with SR-998 adhesive alongwith 5 mm thick E.P. foam as per specification.	8,566.00	Each
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	Chapter 10-3 Dismantling		
14039 Chapter 0	Chapter 10-3-1 Dismantling the existing Distribution Transformer of any capacity from the plinth / foundation safely without any damages and storing in safe place.	25.00	kVA
14039 Chapter 1	Chapter 10-3-2 Dismantling existing pole mounted Distribution Transformer safely without any damages and storing it in safe place.	35.00	kVA
14039 Chapter 2	Chapter 10-3-3 Dismantling existing DO / AB switch set complete from D.P. structure in an approved manner.	290.00	Per Set
14039 Chapter 3	Chapter 10-3-4 Transportation of 11/22 kV Transformer upto 315 kVA without Loading & Unloading (for handing over to section store/Repair Works Only)	22.00	KM
14039 Chapter 4	Chapter 10-3-5 Transportation of 11/22 kV Transformer above 315 kVA to 1000 kVA without Loading & Unloading (for handing over to section store/Repair Works Only)	33.00	KM

Specification:

Chapter Name Generators (GEN)

		Rate In (Rs)	
Item Description		Rate	Unit
Chapter 11-1 Generators (GEN-GEN)			
14039	Chapter 11-1-1 Supplying portable generator set with petrol start and kerosene run engine suitable to give 1400 VA output at 220 +/-13 V A.C. with rated current of 6.4 A complete with standard accessories as per specification No. GEN-PG	46,235.00	Each
5			
14039	Chapter 11-1-2 Supplying portable generator set with petrol start and kerosene run engine suitable to give 2000 VA output at 220 +/-13 V A.C. with rated current of 6.4 A complete with standard accessories as per specification No. GEN-PG	55,764.00	Each
6			
14039	Chapter 11-1-3 Supplying, Erecting and Commissioning of Diesel generating set with alternator of 10 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, alongwith standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising of meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel etc. as per specification No. GEN-DG	2,71,638.00	Each
7			
14039	Chapter 11-1-4 Supplying, Erecting and Commissioning of Diesel generating set with alternator of 15 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, along with standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel etc. as per specification no. GEN-DG	2,88,168.00	Each
8			

		Rate In (Rs)	
Item Description	Rate	Unit	
14039 Chapter 11-1-5 9	Supplying, Erecting and Commissioning of Diesel generating set with alternator of 20 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, alongwith standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel etc. as per specification no. GEN-DG	3,26,417.00	Each
14040 Chapter 11-1-6 0	Supplying, Erecting and Commissioning of Diesel generating set with alternator of 25 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, alongwith standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel etc. as per specification no. GEN-DG	3,62,028.00	Each
14040 Chapter 11-1-7 1	Supplying, Erecting and Commissioning of Diesel generating set with alternator of 30 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, alongwith standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected	3,79,878.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel etc. as per specification no. GEN-DG		
14040 Chapter 11-1-8 2	Supplying, Erecting and Commissioning of Diesel generating set with alternator of 40 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, alongwith standard accessories, self-excited self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel etc. as per specification no. GEN-DG	4,57,870.00	Each
14040 Chapter 11-1-9 3	Supplying, Erecting and Commissioning of Diesel generating set with alternator of 50 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, alongwith standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel etc. as per specification no. GEN-DG	5,24,785.00	Each
14040 Chapter 4 11-1-10	Supplying, Erecting and Commissioning of Diesel generating set with alternator of 62.5 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, alongwith standard accessories, self-excited, self-regulated, screen protected	5,44,568.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14040 Chapter 5 11-1-12	<p>alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel etc. as per specification no. GEN-DG</p> <p>Supplying, Erecting and Commissioning of Diesel generating set with alternator of 82.5 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, alongwith standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel etc. as per specification no. GEN-DG</p>	6,49,309.00	Each
14040 Chapter 6 11-1-13	<p>Supplying, Erecting and Commissioning of Diesel generating set with alternator of 100 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, alongwith standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel etc. as per specification no. GEN-DG</p>	7,27,917.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14040 Chapter 7 11-1-14	Supplying, Erecting and Commissioning of Diesel generating set with alternator of 125 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, alongwith standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel etc. as per specification no. GEN-DG	7,65,990.00	Each
14040 Chapter 8 11-1-15	Supplying, Erecting and Commissioning of Diesel generating set with alternator of 140 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, alongwith standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel etc. as per specification no. GEN-DG	10,23,694.	Each
14040 Chapter 9 11-1-16	Supplying, Erecting and Commissioning of Diesel generating set with alternator of 160 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, alongwith standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected	10,29,673.	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel etc. as per specification no. GEN-DG		
14041 Chapter 0 11-1-17	Supplying, Erecting and Commissioning of Diesel generating set with alternator of 180 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, alongwith standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel etc. as per specification no. GEN-DG	11,80,823.00	Each
14041 Chapter 1 11-1-18	Supplying, Erecting and Commissioning of Diesel generating set with alternator of 200 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, alongwith standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel etc. as per specification no. GEN-DG	13,07,704.	Each
14041 Chapter 2 11-1-19	Supplying, Erecting and Commissioning of Diesel generating set with alternator of 250 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, alongwith standard accessories, self-excited, self-regulated, screen protected	16,32,517.	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14041 Chapter 3 11-1-20	<p>alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel, etc and obtaining necessary approval from Electrical Inspector as per specification no. GEN-DG</p> <p>Supplying, Erecting and Commissioning of Diesel generating set with standard control Panel with alternator of 5 kVA output continuous rating, single Phase, 230V, 50c/s 0.8 p. f. A.C a totally enclosed air / liquid cooled multy cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours with standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 % .Both the engine and alternator direct coupled on a common fabricated steel base plate with anti-vibrating pad with control panel comprising of standard meters,switchgears, indicators connected with suitable wires/cables.The complete set enclosed in Acoustic enclosure made of 18 SWG CRCA Sheet, sound absorbing material,Rockwool covered from inside with ¾ mm holes perforated sheet to restrict sound level upto 75 dB at 1.0 m. The engine with first filling of oil,diesel etc. as per specification no. GEN-DG</p>	2,05,828.00	Each
14041 Chapter 4 11-1-21	<p>Supplying, Erecting and Commissioning of Diesel generating set with standard control Panel with alternator of 10 kVA output continuous rating, single Phase, 230V, 50c/s 0.8 p. f. A.C a totally enclosed air / liquid cooled multy cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours with standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 % .Both the engine and alternator direct coupled on a common fabricated steel base plate with anti-vibrating pad with control panel comprising of standard meters,switchgears, indicators connected with suitable wires/cables.The complete set enclosed in Acoustic enclosure made of 18 SWG CRCA Sheet, sound absorbing material, Rockwool covered from inside with ¾ mm holes perforated sheet to restrict sound level upto 75 dB at 1.0 m. The engine with first filling of oil,diesel etc.as per specification no.</p>	3,12,808.00	Each

		Rate In (Rs)	
		Rate	Unit
GEN-DG			
14041 Chapter 5 11-1-22	Supplying, Erecting and Commissioning of Diesel generating set with alternator of 320 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, alongwith standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel etc. and obtaining necessary approval from Electrical Inspector as per specification no. GEN-DG	21,23,863.	Each
14041 Chapter 6 11-1-23	Supplying, Erecting and Commissioning of Diesel generating set with alternator of 500 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, alongwith standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising of meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel etc. and obtaining necessary approval from Electrical Inspector as per specification no. GEN-DG	29,04,863.	Each
Chapter 11-2 Auto Mains Failure Panels (AMF Panels) (GEN-AMF)			
14041 Chapter 7 11-2-1	Supplying, erecting, testing and commissioning of Microprocessor based AMF panel suitable for Diesel Generating Set of upto 10 kVA capacity Single/Three phase, 230/415 Volts, 50Hz A.C. with all standard features, safeties etc as per specification no. GEN-AMF.	49,191.00	Each
14041 Chapter 8 11-2-2	Supplying, erecting, testing and commissioning of Microprocessor based AMF panel suitable for Diesel Generating Set of above 10	57,820.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	kVA upto 15 kVA capacity Single/Three phase, 230/415 Volts, 50Hz A.C. with all standard features, safeties etc as per specification no. GEN-AMF.		
14041	Chapter 11-2-3 Supplying, erecting, testing and commissioning of Microprocessor based AMF panel suitable for Diesel Generating Set of above 15 kVA upto 20 kVA capacity Single/Three phase, 230/415 Volts, 50Hz A.C. with all standard features, safeties etc as per specification no. GEN-AMF.	58,627.00	Each
14042	Chapter 11-2-4 Supplying, erecting, testing and commissioning of Microprocessor based AMF panel suitable for Diesel Generating Set of above 20 kVA upto 25 kVA capacity Single/Three phase, 230/415 Volts, 50Hz A.C. with all standard features, safeties etc as per specification no. GEN-AMF.	58,627.00	Each
14042	Chapter 11-2-5 Supplying, erecting, testing and commissioning of Microprocessor based AMF panel suitable for Diesel Generating Set of above 25 kVA upto 35 kVA capacity Single/Three phase, 230/415 Volts, 50Hz A.C. with all standard features, safeties etc as per specification no. GEN-AMF.	62,128.00	Each
14042	Chapter 11-2-6 Supplying, erecting, testing and commissioning of Microprocessor based AMF panel suitable for Diesel Generating Set of above 35 kVA upto 40 kVA capacity Single/Three phase, 230/415 Volts, 50Hz A.C. with all standard features, safeties etc as per specification no. GEN-AMF.	70,852.00	Each
14042	Chapter 11-2-7 Supplying, erecting, testing and commissioning of Microprocessor based AMF panel suitable for Diesel Generating Set of above 40 kVA upto 50 kVA capacity Single/Three phase, 230/415 Volts, 50Hz A.C. with all standard features, safeties etc as per specification no. GEN-AMF.	87,458.00	Each
14042	Chapter 11-2-8 Supplying, erecting, testing and commissioning of Microprocessor based AMF panel suitable for Diesel Generating Set of above 50 kVA upto 62.5 kVA capacity Single/Three phase, 230/415 Volts, 50Hz A.C. with all standard features, safeties etc as per specification no. GEN-AMF.	90,506.00	Each
14042	Chapter 11-2-9 Supplying, erecting, testing and commissioning of Microprocessor based AMF panel suitable for Diesel Generating Set of above 62.5 kVA upto 82.5 kVA capacity Single/Three phase, 230/415 Volts, 50Hz A.C. with all standard features, safeties etc as per specification no. GEN-AMF.	1,04,385.00	Each
14042	Chapter 11-2-10 Supplying, erecting, testing and commissioning of Microprocessor based AMF panel suitable for Diesel Generating Set of above 82.5 kVA upto 100 kVA capacity Single/Three phase, 230/415 Volts,	1,15,170.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	50Hz A.C. with all standard features, safeties etc as per specification no. GEN-AMF.		
14042 Chapter 7 11-2-11	Supplying, erecting, testing and commissioning of Microprocessor based AMF panel suitable for Diesel Generating Set of above 100 kVA upto 125 kVA capacity Single/Three phase, 230/415 Volts, 50Hz A.C. with all standard features, safeties etc as per specification no. GEN-AMF.	1,21,440.00	Each
14042 Chapter 8 11-2-12	Supplying, erecting, testing and commissioning of Microprocessor based AMF panel suitable for Diesel Generating Set of above 125 kVA upto 140 kVA capacity Single/Three phase, 230/415 Volts, 50Hz A.C. with all standard features, safeties etc as per specification no. GEN-AMF.	1,38,249.00	Each
14042 Chapter 9 11-2-13	Supplying, erecting, testing and commissioning of Microprocessor based AMF panel suitable for Diesel Generating Set of above 140 kVA upto 180 kVA capacity Single/Three phase, 230/415 Volts, 50Hz A.C. with all standard features, safeties etc as per specification no. GEN-AMF.	1,53,090.00	Each
14043 Chapter 0 11-2-14	Supplying, erecting, testing and commissioning of Microprocessor based AMF panel suitable for Diesel Generating Set of above 180 kVA upto 200 kVA capacity Single/Three phase, 230/415 Volts, 50Hz A.C. with all standard features, safeties etc as per specification no. GEN-AMF.	1,66,793.00	Each
14043 Chapter 1 11-2-15	Supplying, erecting, testing and commissioning of Microprocessor based AMF panel suitable for Diesel Generating Set of above 200 kVA upto 250 kVA capacity Single/Three phase, 230/415 Volts, 50Hz A.C. with all standard features, safeties etc as per specification no. GEN-AMF.	1,90,225.00	Each
14043 Chapter 2 11-2-16	Supplying, erecting, testing and commissioning of Microprocessor based AMF panel suitable for Diesel Generating Set of above 250 kVA upto 320 kVA capacity Single/Three phase, 230/415 Volts, 50Hz A.C. with all standard features, safeties etc as per specification no. GEN-AMF.	3,03,708.00	Each
14043 Chapter 3 11-2-17	Supplying, erecting, testing and commissioning of Microprocessor based AMF panel suitable for Diesel Generating Set of above 320 kVA upto 500 kVA capacity Single/Three phase, 230/415 Volts, 50Hz A.C. with all standard features, safeties etc as per specification no. GEN-AMF.	3,65,048.00	Each
14043 Chapter 4 11-2-18	Supplying, erecting, testing and commissioning of Microprocessor based Generator Control Unit (Synchronization panel) panel suitable for Diesel Generating Set of 320 kVA capacity Three phase, 415 Volts, 50Hz A.C. with all standard features and safeties	5,38,291.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	etc as per specification no. GEN-SYNC.		
14043 Chapter 5	11-2-19 Supplying, erecting, testing and commissioning of Microprocessor based Generator Control Unit (Synchronization panel) panel suitable for Diesel Generating Set of 500 kVA capacity Three phase, 415 Volts, 50Hz A.C. with all standard features and safeties etc as per specification no. GEN-SYNC.	6,61,391.00	Each
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	Chapter 11-3 Servicing of DG Set		
14043 Chapter 6	11-3-1 Carrying out monthly Servicing of DG set upto 50 kVA with/without AMF Panel of any make to ensure smooth running of DG set for 30 mins on load. Checking for abnormal sound and leakages, Carry out visual inspection of all moving parts, oil levels, oil filters, fuel filters, air filters and clean them properly, rectify the minor leakages if any. Inspect alternator, stator and rotor for normal speed & proper frequency, Examine battery charging with monitoring system and recording voltages, checking battery cells gravity and topping up with Distilled water, Checking V belts with necessary adjustment, Checking and retightening of nut bolts including coupling bolts of engine and alternator, Checking & cleaning of radiator and leakage testing Checking of radiator & fuel supply hose pipes, Checking of AVR, excitation diodes, its connections confirming proper output voltage. Checking & resetting of valve tappets, Cleaning of DG set internally using blower, cleaning radiator,Attending breakdowns as and when required during One month period or during VIP visit within 2 hours of intimation and Submit the servicing report to engineer in charge.(Non Comprehensive) as per specification No. GEN-SER-AMC	2,011.00	Per Job
14043 Chapter 7	11-3-2 Carrying out monthly Servicing of DG set from 62.5 kVA to 200 kVA with/without AMF Panel of any make to ensure smooth running of DG set for 30 mins Checking for abnormal sound and leakages, Carry out visual inspection of all moving parts, oil levels, oil filters, fuel filters, air filters and clean them properly, rectify the minor leakages if any. Inspect alternator, stator and rotor for normal speed & proper frequency, Examine battery charging with monitoring system and recording voltages, checking battery cells gravity and topping up with Distilled water, Checking V belts with necessary adjustment, Checking and retightening of nut bolts including coupling bolts of engine and alternator, Checking & cleaning of radiator and leakage testingChecking of radiator & fuel supply hose pipes, Checking of	2,569.00	Per Job

		Rate In (Rs)	
	Item Description	Rate	Unit
	AVR, excitation diodes, its connections confirming proper output voltage. Checking & resetting of valve tappets, Cleaning of DG set internally using blower, cleaning radiator, Attending breakdowns as and when required during One month period or during VIP visit within 2 hours of intimation and Submit the servicing report to engineer in charge.(Non Comprehensive) as per specification No. GEN-SER-AMC		
14043 8	Chapter 11-3-3 Carrying out monthly Servicing of DG set from 250 kVA to 500 kVA with/without AMF Panel of any make to ensure smooth running of DG set for 30 mins. Checking for abnormal sound and leakages, Carry out visual inspection of all moving parts, oil levels, oil filters, fuel filters, air filters and clean them properly, rectify the minor leakages if any. Inspect alternator, stator and rotor for normal speed & proper frequency, Examine battery charging with monitoring system and recording voltages, checking battery cells gravity and topping up with Distilled water, Checking V belts with necessary adjustment, Checking and retightening of nut bolts including coupling bolts of engine and alternator, Checking & cleaning of radiator and leakage testing Checking of radiator & fuel supply hose pipes, Checking of AVR, excitation diodes, its connections confirming proper output voltage. Checking & resetting of valve tappets, Cleaning of DG set internally using blower, cleaning radiator, Attending breakdowns as and when required during One month period or during VIP visit within 2 hours of intimation and Submit the servicing report to engineer in charge.(Non Comprehensive) as per specification No. GEN-SER-AMC	3,686.00	Per Job
14043 9	Chapter 11-3-4 Topping up new lubricating oil 15W/40 grade of approved make as per IS 13656 : 2014	404.00	litre
14044 0	Chapter 11-3-5 Topping up new glycol based coolant 50/50 with operating range from 118°C to -37°C of approved make	345.00	litre
14044 1	Chapter 11-3-6 Supplying and erecting V-Belt of all types and lengths, adjust tension as per requirements from generator manufacturer suitable for DG set upto 100kVA	2,896.00	Each
14044 2	Chapter 11-3-7 Supplying and erecting V-Belt of all types and lengths, adjust tension as per requirements from generator manufacturer suitable for DG set from 125 kVA to 250 kVA	7,153.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14044	Chapter 11-3-8 3	Supplying and erecting V-Belt of all types and lengths, adjust tension as per requirements from generator manufacturer suitable for DG set from 320 kVA to 500 kVA	19,427.00 Each
14044	Chapter 11-3-9 4	Supplying and erecting Lub Oil filter element along with sealing rings, gasket etc complete suitable for DG Set upto 62.5 kVA.	1,157.00 Each
14044	Chapter 11-3-10 5	Supplying and erecting Lub Oil filter element along with sealing rings, gasket etc complete suitable for DG Set from 82.5 kVA to 250 kVA.	4,852.00 Each
14044	Chapter 11-3-11 6	Supplying and erecting Lub Oil filter element along with sealing rings, gasket etc complete suitable for DG Set from 320 kVA to 500 kVA.	7,281.00 Each
14044	Chapter 11-3-12 7	Supplying and erecting Fuel filter along with sealing rings, gasket, primary filter and water separator etc complete suitable for DG Set upto 50 kVA.	1,070.00 Each
14044	Chapter 11-3-13 8	Supplying and erecting Fuel filter along with sealing rings, gasket, primary filter and water separator etc complete suitable for DG Set from 62.5 kVA to 125 kVA.	1,261.00 Each
14044	Chapter 11-3-14 9	Supplying and erecting Fuel filter along with sealing rings, gasket, primary filter and water separator etc complete suitable for DG Set from 140 kVA to 200 kVA.	4,692.00 Each
14045	Chapter 11-3-15 0	Supplying and erecting Fuel filter along with sealing rings, gasket, primary filter and water separator etc complete suitable for DG Set from 250 kVA to 500 kVA.	7,293.00 Each
14045	Chapter 11-3-16 1	Supplying and erecting Stop Solenoid assembly 12V/24V single coil energized to run with or without primary etc complete suitable for DG set upto 125 kVA.	7,093.00 Each
14045	Chapter 11-3-17 2	Supplying and erecting Stop Solenoid assembly 12V/24V single coil energized to run with or without primary etc complete suitable for DG set from 140 kVA to 200 kVA.	15,001.00 Each
14045	Chapter 11-3-18 3	Supplying and erecting Stop Solenoid assembly 12V/24V single coil energized to run with or without primary etc complete suitable for DG set from 250 kVA to 500 kVA.	27,093.00 Each
14045	Chapter 11-3-19 4	Supplying and erecting Air Cleaner/Air Filter Element suitable for DG set upto 40 kVA	2,697.00 Each
14045	Chapter 11-3-20 5	Supplying and erecting Air Cleaner/Air Filter Element suitable for DG set from 50 kVA to 125 kVA	4,993.00 Each

		Rate In (Rs)	
		Rate	Unit
Item Description			
14045 Chapter 6 11-3-21	Supplying and erecting Air Cleaner/Air Filter Element suitable for DG set from 140 kVA to 200 kVA	9,696.00	Each
14045 Chapter 7 11-3-22	Supplying and erecting Air Cleaner/Air Filter Element suitable for DG set from 250 kVA to 500 kVA	27,997.00	Each
14045 Chapter 8 11-3-23	Supplying, erecting and testing permanent magnet generator (PMG) excited Automatic Voltage Regulator (AVR) with sensing input voltage range: 190 V AC - 264 V AC 2/3 Phase, frequency range 50-60 Hz and output voltage max 120 V DC continuous current 3.7 A, transient current 6 A for 10 second with minimum resistance of 15 ohm, AVR response time of 10 ms etc. complete suitable for DG set as per Specification GEN-SER-AVR	55,240.00	Each
14045 Chapter 9 11-3-24	Supplying, erecting and testing permanent magnet generator (PMG) excited Automatic Voltage Regulator (AVR) with sensing input voltage range: 190 V AC - 264 V AC 1 Phase 2 wire, frequency range 50-60 Hz and output voltage max 120 V DC continuous current 2.7 A, transient current 6 A for 10 second with minimum resistance of 15 ohm, AVR response time of 10 ms etc. complete suitable for DG set as per Specification GEN-SER-AVR	50,097.00	Each
14046 Chapter 0 11-3-25	Supplying, erecting and testing main stator powered excited Automatic Voltage Regulator (AVR) with sensing input voltage range: 95 V - 132 V /190 V AC - 264 V AC 1 Phase 2 wire, frequency range 50-60 Hz and output voltage max 90 V DC continuous current 4 A, transient current 6 A for 10 second with minimum resistance of 15 ohm, AVR response time of 20 ms etc. complete suitable for DG set as per Specification GEN-SER-AVR	17,829.00	Each
14046 Chapter 1 11-3-26	Supplying, erecting and testing main stator powered excited Automatic Voltage Regulator (AVR) with sensing input voltage range: 190 V AC - 264 V AC, frequency range 50-60 Hz and output voltage max 90 V DC continuous current 10 A, transient current 16 A for 10 second with minimum resistance of 10 ohm, AVR response time of 20 ms etc. complete suitable for DG set as per Specification GEN-SER-AVR	24,504.00	Each
14046 Chapter 2 11-3-27	Supplying, erecting and testing main stator powered excited Automatic Voltage Regulator (AVR) with sensing input voltage range: 170 V AC - 280 V AC 1 phase/ 270 V - 520 V AC 3 phase, frequency range 50-60 Hz and output voltage max 63 V DC continuous current 6 A, transient current 7 A for 10 second with minimum resistance of 10 ohm, AVR response time of 20 ms etc. complete suitable for DG set as per Specification no GEN-SER-AVR	19,791.00	Each
14046 Chapter 3 11-3-28	Supplying and erecting set of Engine Safety Unit suitable for DG set upto 125 kVA as per specification no	12,358.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
14046	Chapter 4 11-3-29	Supplying and erecting set of Engine Safety Unit suitable for DG set from 140 kVA to 250 kVA	16,391.00	Each
14046	Chapter 5 11-3-30	Supplying and erecting set of Engine Safety Unit suitable for DG set from 320 kVA to 500 kVA	21,366.00	Each
14046	Chapter 6 11-3-31	Supplying and erecting SMPS based Battery Charger input voltage 230 V A.C. & output voltage 24 V DC, charging current 10A suitable to charge DG set Battery	9,126.00	Each
14046	Chapter 7 11-3-32	Supplying and erecting SMPS based Battery Charger input voltage 230 V A.C. & output voltage 24 V DC, charging current 20A suitable to charge DG set Battery	15,541.00	Each
14046	Chapter 8 11-3-33	Supplying and erecting SMPS Battery Charger input voltage 230 V A.C. & output voltage 12 V DC, charging current 10A suitable to charge DG set Battery	2,477.00	Each
14046	Chapter 9 11-3-34	Supplying, erecting, testing and commissioning 4 pole power contactor 32A with coil voltage of 220/240 V suitable to operate on AV voltage for DG set.	1,765.00	Each
14047	Chapter 0 11-3-35	Supplying, erecting, testing and commissioning 4 pole power contactor 63 A with coil voltage of 220/240 V suitable to operate on AV voltage for DG set.	4,020.00	Each
14047	Chapter 1 11-3-36	Supplying, erecting, testing and commissioning 4 pole power contactor 80-130A with coil voltage of 220/240 V suitable to operate on AV voltage for DG set.	7,203.00	Each
14047	Chapter 2 11-3-37	Supplying, erecting, testing and commissioning 4 pole power contactor 200A with coil voltage of 220/240 V suitable to operate on AV voltage for DG set.	16,194.00	Each
14047	Chapter 3 11-3-38	Supplying, erecting, testing and commissioning 4 pole power contactor 325A with coil voltage of 220/240 V suitable to operate on AV voltage for DG set.	32,690.00	Each
14047	Chapter 4 11-3-39	Supplying, erecting, testing and commissioning 4 pole power contactor 400A with coil voltage of 220/240 V suitable to operate on AV voltage for DG set.	41,861.00	Each
14047	Chapter 5 11-3-40	Supplying, erecting, testing and commissioning 4 pole power contactor 600A with coil voltage of 220/240 V suitable to operate on AV voltage for DG set.	63,109.00	Each
14047	Chapter 6 11-3-41	Supplying, erecting, testing and commissioning 4 pole power contactor 800A with coil voltage of 220/240 V suitable to operate on AV voltage for DG set.	95,396.00	Each

			Rate In (Rs)		
Item Description			Rate	Unit	
14047	Chapter 7	11-3-42	Supplying, erecting, testing and comissioning microcontroller based Digital Line Voltage Monitor 3 phase 4 wire 2 CO output relay suitable to operate on AC voltage for DG set.	2,262.00	Each
14047	Chapter 8	11-3-43	Supplying & erecting 12 V 80 AH heavy duty plate type Battery with terminal wire duly charged complete suitable for DG set with warranty for 3 years	7,212.00	Each
14047	Chapter 9	11-3-44	Supplying & erecting 12 V 88 AH heavy duty plate type Battery with terminal wire duly charged complete suitable for DG set with warranty for 3 years	7,512.00	Each
14048	Chapter 0	11-3-45	Supplying & erecting 12 V 100 AH heavy duty plate type Battery with terminal wire duly charged complete suitable for DG set with warranty for 3 years	8,841.00	Each
14048	Chapter 1	11-3-46	Supplying & erecting 12 V 150 AH heavy duty plate type Battery with terminal wire duly charged complete suitable for DG set with warranty for 3 years	14,194.00	Each
14048	Chapter 2	11-3-47	Supplying & erecting 12 V 180 AH heavy duty plate type Battery with terminal wire duly charged complete suitable for DG set with warranty for 3 years	16,479.00	Each
14048	Chapter 3	11-3-48	Supplying & erecting 12 V 200 AH heavy duty plate type Battery with terminal wire duly charged complete suitable for DG set with warranty for 3 years	21,317.00	Each
14048	Chapter 4	11-3-49	Topping up Distilled water for Battery	22.00	litre
Chapter 11-4			Dismantling		
14048	Chapter 5	11-4-1	Dismantling unserviceable DG set upto 50 kVA capacity alongwith Switch gears & panel, etc. and remaking the site good as original.	1,331.00	Per Job
14048	Chapter 6	11-4-2	Dismantling unserviceable DG set above 50 kVA capacity alongwith Switch gears & panel, etc. and remaking the site good as original.	24.00	kVA

Specification:

Chapter Name Water Pumps (WP)

		Rate In (Rs)	
Item Description		Rate	Unit
Chapter 12-1 Centrifugal Pumps (WP-CGP)			
14048	Chapter 12-1-1 Supplying & erecting Centrifugal water pump (Monoblock), 230V, Single phase 50 cycles A.C. supply of 0.5 HP of specified discharge head & size of suction, delivery pipes on provided C.C. foundation as per specification No. WP-CGP	5,142.00	Each
14048	Chapter 12-1-2 Supplying & erecting Centrifugal water pump (Monoblock), 230V, Single phase 50 cycles A.C. supply of 1 HP of specified discharge head & size of suction, delivery pipes on provided C.C. foundation as per specification No. WP-CGP	7,215.00	Each
14048	Chapter 12-1-3 Supplying & erecting Centrifugal water pump (Monoblock), 230V, Single phase 50 cycles A.C. supply of 1.5HP of specified discharge head & size of suction, delivery pipes on provided C.C. foundation as per specification No WP-CGP	8,690.00	Each
14049	Chapter 12-1-4 Supplying & erecting Centrifugal water pump (Monoblock), 230V, Single phase 50 cycles A.C. supply of 2 HP of specified discharge head & size of suction, delivery pipes on provided C.C. foundation as per specification No. WP-CGP	10,576.00	Each
14049	Chapter 12-1-5 Supplying & erecting Centrifugal water pump (Monoblock), 415V, three phase 50 cycles A.C. supply of 2 HP with discharge 2.2/4.1 Liters per second (LPS) for head of 8/26 m and 50 mm suction/ 40 mm delivery pipe on provided C.C. foundation as per specification No. WP-CGP	11,935.00	Each
14049	Chapter 12-1-6 Supplying & erecting Centrifugal water pump (Monoblock), 415V, three phase 50 cycles A.C. supply of 3 HP with discharge 2/4.9 Liters per second (LPS) for head of 14/36 m and 50 mm suction/ 40 mm delivery pipe on provided C.C. foundation as per specification No. WP-CGP	15,372.00	Each
14049	Chapter 12-1-7 Supplying & erecting Centrifugal water pump (Monoblock), 415V, three phase 50 cycles A.C. supply of 3 HP with discharge 4.9/9.2 Liters per second (LPS) for head of 10/26 m and 65 mm suction/ 50 mm delivery pipe on provided C.C. foundation as per specification No. WP-CGP	16,232.00	Each
14049	Chapter 12-1-8 Supplying & erecting Centrifugal water pump (Monoblock), 415V, three phase 50 cycles A.C. supply of 3 HP with discharge 1.83/4.16 Liters per second (LPS) for head of 24/36 m and 50 mm suction/ 40 mm delivery pipe on provided C.C. foundation as per specification No. WP-CGP	16,636.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14049 Chapter 5	12-1-9 Supplying & erecting Centrifugal water pump (Monoblock), 415 V, three phase 50 cycles A.C. supply of 5 HP with discharge 2/4.1 Liters per second (LPS) for head of 36/52 m and 50 mm suction/ 40 mm delivery pipe on provided C.C. foundation as per specification No. WP-CGP	22,069.00	Each
14049 Chapter 6	12-1-10 Supplying & erecting Centrifugal water pump (Monoblock), 415 V, three phase 50 cycles A.C. supply of 5 HP with discharge 5.8/8.5 Liters per second (LPS) for head of 20/36 m and 65 mm suction/ 50 mm delivery pipe on provided C.C. foundation as per specification No. WP-CGP	20,649.00	Each
14049 Chapter 7	12-1-11 Supplying & erecting Centrifugal water pump (Monoblock), 415 V, three phase 50 cycles A.C. supply of 7.5 HP with discharge 4.5/8.6 Liters per second (LPS) for head of 32/52 m and 65 mm suction/ 50 mm delivery pipe of size or with discharge of 11.1/19.9 Liters per second (LPS) for head of 16/30 m and 80mm suction/ 65mm delivery pipe of size, on provided C.C. foundation as per specification No. WP-CGP	26,294.00	Each
14049 Chapter 8	12-1-12 Supplying & erecting Centrifugal water pump (Monoblock), 415 V, three phase 50 cycles A.C. supply of 10 HP with discharge 9.6/21.6 Liters per second (LPS) for head of 18/40 m and 80 mm suction/ 65 mm delivery pipe of size or with discharge of 4.3/7.8 Liters per second (LPS) for head of 40/64 m and 65mm suction/ 50mm delivery pipe of size, on provided C.C. foundation as per specification No. WP-CGP	31,734.00	Each
14049 Chapter 9	12-1-13 Supplying & erecting Centrifugal water pump (Monoblock), 415 V, three phase 50 cycles A.C. supply of 12.5 HP with discharge 7/19.6 Liters per second (LPS) for head of 20/48 m and 80 mm suction/ 65 mm delivery pipe of size or with discharge of 20/33.5 Liters per second (LPS) for head of 18/30 m and 100mm suction/ 100mm delivery pipe of size, on provided C.C. foundation as per specification No WP-CGP	39,206.00	Each
14050 Chapter 0	12-1-14 Supplying & erecting Centrifugal water pump (Monoblock), 415 V, three phase 50 cycles A.C. supply of 15 HP with discharge 10.5/19.4 Liters per second (LPS) for head of 30/54 m and 80 mm suction/ 65 mm delivery pipe of size or with discharge of 17.5/36.8 Liters per second (LPS) for head of 18/36 m and 100mm suction/ 100mm delivery pipe of size, on provided C.C. foundation as per specification No. WP-CGP	43,190.00	Each
14050 Chapter 1	12-1-15 Supplying & erecting Centrifugal water pump (Monoblock), 415 V, three phase 50 cycles A.C. supply of 20 HP with discharge 14/33.8 Liters per second (LPS) for head of 18/52 m and 100mm	55,509.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14050 Chapter 2	12-1-16	67,184.00	Each
suction/ 80mm delivery pipe of size, on provided C.C. foundation as per specification No. WP-CGP			
14050 Chapter 3	12-1-17	77,663.00	Each
Supplying & erecting Centrifugal water pump (Monoblock), 415 V, three phase 50 cycles A.C. supply of 25 HP with discharge 13.3/25.8 Liters per second (LPS) for head of 48/60 m and 100mm suction/ 80mm delivery pipe of size, on provided C.C. foundation as per specification No. WP-CGP			
Supplying & erecting Centrifugal water pump (Monoblock), 415 V, three phase 50 cycles A.C. supply of 30 HP with discharge 6.66/28.33 Liters per second (LPS) for head of 48/69 m and 100mm suction/ 80mm delivery pipe of size, on provided C.C. foundation as per specification No. WP-CGP			
Chapter 12-3 Submersible Pumps for Borewells (WP-SMP)			
14050 Chapter 4	12-3-1	24,753.00	Each
Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 20 to 80 LPM discharge at 55 to 25 m head & (max efficiency at 41 m head & 50 Ipm discharge & delivery pipe of necessary diameter with a necessary H. type clamp as per specification No. WP-SMP			
14050 Chapter 5	12-3-2	28,870.00	Each
Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell, suitable for 70 to 250 LPM discharge at 44 to 24 m head & (max efficiency at 38 m head & 160 Ipm discharge & delivery pipe of necessary diameter with a necessary H. type clamp as per specification No. WP-SMP			
14050 Chapter 6	12-3-3	26,783.00	Each
Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell, 3 H.P. (2 Stage) suitable for 200 to 500 LPM discharge at 21 to 11 m head & (max efficiency at 19 m head & 300 Ipm) discharge & delivery pipeline 80 mm dia a necessary H. type clamp. As per specification No. WP-SMP			
14050 Chapter 7	12-3-4	29,332.00	Each
Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell, suitable for 20 to 80 LPM discharge at 91 to 42 m head & (max efficiency at 68 m head & 50 Ipm) discharge & delivery pipe of necessary diameter with a necessary H. type clamp as per specification No. WP-SMP			
14050 Chapter 8	12-3-5	26,306.00	Each
Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell, suitable for 100 to 250 LPM discharge at 45 to 24 m head & (max efficiency at 38 m head & 250 Ipm discharge & delivery pipe of necessary			

		Rate In (Rs)	
Item Description		Rate	Unit
	diameter with a necessary H. type clamp as per specification No. WP-SMP		
14050 Chapter 12-3-6 9	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell, suitable for 70 to 250 LPM discharge at 65 to 36 m head & (max efficiency at 57 m head & 160 Ipm discharge & delivery pipe of necessary diameter with a necessary H. type as per specification No. WP-SMP	27,226.00	Each
14051 Chapter 12-3-7 0	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell, suitable for 250 to 700 LPM discharge at 33 to 15 m head & (max efficiency at 24 m head & 500 Ipm discharge & delivery pipe of necessary diameter with a necessary H. type clamp as per specification No. WP-SMP	28,097.00	Each
14051 Chapter 12-3-8 1	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell, suitable for 400 to 900 LPM discharge at 20 to 12 m head & (max efficiency at 16 m head & 700 Ipm discharge & delivery pipe of necessary diameter with a necessary H. type clamp as per specification No. WP-SMP	28,323.00	Each
14051 Chapter 12-3-9 2	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell, suitable for 20 to 80 LPM discharge at 129 to 59 m head & (max efficiency at 95 m head & 50 Ipm discharge & delivery pipe of necessary diameter with a necessary H. type clamp as per specification No. WP-SMP	33,834.00	Each
14051 Chapter 3 12-3-10	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 70 to 250 LPM discharge at 87 to 48 m head & (max. efficiency at 76 m head & 160 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	30,593.00	Each
14051 Chapter 4 12-3-11	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 60 to 175 LPM discharge at 97 to 56 m head & (max. efficiency at 79 m head & 125 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	32,496.00	Each
14051 Chapter 5 12-3-12	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 100 to 350 LPM discharge at 56 to 30 m head & (max. efficiency at 47 m head & 250 lpm) discharge & delivery pipe of	28,620.00	Each

		Rate In (Rs)	
		Rate	Unit
Item Description			
			necessary diameter with a necessary H type clamps as per specification No. WP-SMP
14051 Chapter 6 12-3-13	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 200 to 500 LPM discharge at 42 to 22 m head & (max. efficiency at 34 m head & 350 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	28,885.00	Each
14051 Chapter 7 12-3-14	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 300 to 850 LPM discharge at 33 to 10 m head & (max. efficiency at 24 m head & 600 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	29,019.00	Each
14051 Chapter 8 12-3-15	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 300 to 850 LPM discharge at 33 to 10 m head & (max. efficiency at 33 m head & 600 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	31,899.00	Each
14051 Chapter 9 12-3-16	upplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 100 to 350 LPM discharge at 67 to 36 m head & (max. efficiency at 57 m head & 250 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	29,646.00	Each
14052 Chapter 0 12-3-17	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 60 to 175 LPM discharge at 113 to 66 m head & (max. efficiency at 92 m head & 125 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	33,918.00	Each
14052 Chapter 1 12-3-18	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 200 to 500 LPM discharge at 52 to 28 m head & (max. efficiency at 42 m head & 350 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	32,371.00	Each
14052 Chapter 2 12-3-19	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 250 to 700 LPM discharge at 44 to 20 m head & (max.	31,283.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	efficiency at 32 m head & 500 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP		
14052 Chapter 3 12-3-20	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 20 to 80 LPM discharge at 184 to 84 m head & (max. efficiency at 136 m head & 50 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	38,716.00	Each
14052 Chapter 4 12-3-21	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 300 to 850 LPM discharge at 44 to 14 m head & (max. efficiency at 32 m head & 600 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	33,718.00	Each
14052 Chapter 5 12-3-22	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 250 to 700 LPM discharge at 55 to 25 m head & (max. efficiency at 40 m head & 500 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	37,031.00	Each
14052 Chapter 6 12-3-23	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 60 to 175 LPM discharge at 130 to 75 m head & (max. efficiency at 106 m head & 125 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	37,122.00	Each
14052 Chapter 7 12-3-24	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 20 to 80 LPM discharge at 221 to 101 m head & (max. efficiency at 163 m head & 50 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	45,011.00	Each
14052 Chapter 8 12-3-25	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 20 to 80 LPM discharge at 258 to 118 m head & (max. efficiency at 190 m head & 50 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	46,783.00	Each
14052 Chapter 9 12-3-26	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable	38,571.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	for 60 to 175 LPM discharge at 146 to 85 m head & (max. efficiency at 119 m head & 25 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP		
14053 Chapter 0 12-3-27	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 300 to 850 LPM discharge at 55 to 17 m head & (max. efficiency at 40 m head & 600 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	38,341.00	Each
14053 Chapter 1 12-3-28	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 400 to 900 LPM discharge at 41 to 25 m head & (max. efficiency at 32 m head & 700 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	35,087.00	Each
14053 Chapter 2 12-3-29	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 70 to 250 LPM discharge at 153 to 84 m head & (max. efficiency at 133 m head & 160 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	42,266.00	Each
14053 Chapter 3 12-3-30	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 60 to 175 LPM discharge at 162 to 94 m head & (max. efficiency at 132 m head & 125 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	42,290.00	Each
14053 Chapter 4 12-3-31	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 20 to 80 LPM discharge at 294 to 134 m head & (max. efficiency at 218 m head & 50 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	51,660.00	Each
14053 Chapter 5 12-3-32	Supplying and erecting submersible pumpset of required HP with 230 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 72 to 20 LPM discharge at 10 to 50 m head & (max. efficiency at 52 m head & 30 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	26,959.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
14053 Chapter 6 12-3-33	Supplying and erecting submersible pumpset of required HP with 230 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 84 to 40 LPM discharge at 30 to 90 m head & (max. efficiency at 69 m head & 60 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	25,206.00	Each	
14053 Chapter 7 12-3-34	Supplying and erecting submersible pumpset of required HP with 230 V, 50 c/s AC supply suitable for 150 mm dia. borewell suitable for 42 to 20 m head at 30 to 90LPM discharge & (max. efficiency at 34 m head & 60 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	20,818.00	Each	
14053 Chapter 8 12-3-35	Supplying and erecting submersible pumpset of required HP with 230 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 10 to 50 LPM discharge at 45 to 13 m head & (max. efficiency at 33 m head & 30 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	16,711.00	Each	
14053 Chapter 9 12-3-36	Supplying and erecting submersible pumpset of required HP with 230 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 10 to 50 LPM discharge at 54 to 15 m head & (max. efficiency at 39 m head & 30 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	17,301.00	Each	
14054 Chapter 0 12-3-37	Supplying and erecting submersible pumpset of required HP with 230 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 10 to 50 LPM discharge at 72 to 20 m head & (max. efficiency at 33 m head & 30 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	17,506.00	Each	
14054 Chapter 1 12-3-38	Supplying and erecting submersible pumpset of required HP with 230 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 85 to 170 LPM discharge at 32 to 12 m head & (max. efficiency at 24 m head & 130 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	16,847.00	Each	
14054 Chapter 2 12-3-39	Supplying and erecting submersible pumpset of required HP with 230 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 30 to 90 LPM discharge at 42 to 20 m head & (max. efficiency at 34 m head & 60 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No.	17,736.00	Each	

		Rate In (Rs)	
		Rate	Unit
		WP-SMP	
14054 Chapter 3 12-3-40	Supplying and erecting submersible pumpset of required HP with 230 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 30 to 90 LPM discharge at 51 to 25 m head & (max. efficiency at 42 m head & 60 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	18,499.00	Each
14054 Chapter 4 12-3-41	Supplying and erecting submersible pumpset of required HP with 230 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 10 to 50 LPM discharge at 32 to 12 m head & (max. efficiency at 26 m head & 30 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	17,861.00	Each
14054 Chapter 5 12-3-42	Supplying and erecting submersible pumpset of required HP with 230 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 10 to 50 LPM discharge at 109 to 30 m head & (max. efficiency at 78 m head & 30 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	20,298.00	Each
14054 Chapter 6 12-3-43	Supplying and erecting submersible pumpset of required HP with 230 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 10 to 50 LPM discharge at 127 to 35 m head & (max. efficiency at 91 m head & 30 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	22,364.00	Each
14054 Chapter 7 12-3-44	Supplying and erecting submersible pumpset of required HP with 230 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 30 to 90 LPM discharge at 84 to 40 m head & (max. efficiency at 69 m head & 60 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	22,415.00	Each
14054 Chapter 8 12-3-45	Supplying and erecting submersible pumpset of required HP with 230 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 10 to 50 LPM discharge at 127 to 35 m head & (max. efficiency at 91 m head & 30 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	22,186.00	Each
14054 Chapter 9 12-3-46	Supplying and erecting submersible pumpset of required HP with 230 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 10 to 50 LPM discharge at 144 to 40 m head & (max. efficiency at 104 m head & 30 lpm) discharge & delivery pipe of necessary	24,600.00	Each

		Rate In (Rs)	
		Rate	Unit
Item Description			
14055 Chapter 0 12-3-47	diameter with a necessary H type clamps as per specification No. WP-SMP Supplying and erecting submersible pumpset of required HP with 230 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 85 to 170 LPM discharge at 43 to 18 m head & (max. efficiency at 33 m head & 130 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	21,508.00	Each
14055 Chapter 1 12-3-48	Supplying and erecting submersible pumpset of required HP with 230 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 10 to 50 LPM discharge at 160 to 45 m head & (max. efficiency at 116 m head & 30 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	26,897.00	Each
14055 Chapter 2 12-3-49	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 10 to 50 LPM discharge at 45 to 13 m head & (max. efficiency at 33 m head & 30 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	17,031.00	Each
14055 Chapter 3 12-3-50	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 10 to 50 LPM discharge at 54 to 15 m head & (max. efficiency at 39 m head & 30 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	17,812.00	Each
14055 Chapter 4 12-3-51	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 10 to 50 LPM discharge at 72 to 20 m head & (max. efficiency at 52 m head & 30 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	17,973.00	Each
14055 Chapter 5 12-3-52	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 85 to 170 LPM discharge at 32 to 12 m head & (max. efficiency at 24 m head & 130 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	22,367.00	Each
14055 Chapter 6 12-3-53	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 30 to 90 LPM discharge at 42 to 20 m head & (max. efficiency	18,159.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	at 34 m head & 60 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP		
14055 Chapter 7 12-3-54	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 30 to 90 LPM discharge at 51 to 25 m head & (max. efficiency at 42 m head & 60 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	18,543.00	Each
14055 Chapter 8 12-3-55	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 10 to 50 LPM discharge at 90 to 25 m head & (max. efficiency at 66 m head & 30 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	19,776.00	Each
14055 Chapter 9 12-3-56	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 10 to 50 LPM discharge at 109 to 30 m head & (max. efficiency at 78 m head & 30 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	21,737.00	Each
14056 Chapter 0 12-3-57	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 30 to 90 LPM discharge at 63 to 30 m head & (max. efficiency at 51 m head & 60 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	20,702.00	Each
14056 Chapter 1 12-3-58	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 30 to 90 LPM discharge at 84 to 40 m head & (max. efficiency at 69 m head & 60 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	21,546.00	Each
14056 Chapter 2 12-3-59	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 10 to 50 LPM discharge at 127 to 35 m head & (max. efficiency at 91 m head & 30 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	22,679.00	Each
14056 Chapter 3 12-3-60	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable	23,221.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	for 10 to 50 LPM discharge at 144 to 40 m head & (max. efficiency at 104 m head & 30 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP		
14056 Chapter 4 12-3-61	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 85 to 170 LPM discharge at 43 to 18 m head & (max. efficiency at 91 m head & 130 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	18,787.00	Each
14056 Chapter 5 12-3-62	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 10 to 50 LPM discharge at 160 to 45 m head & (max. efficiency at 116 m head & 30 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	26,261.00	Each
14056 Chapter 6 12-3-63	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 85 to 170 LPM discharge at 54 to 21 m head & (max. efficiency at 11 m head & 130 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	21,363.00	Each
14056 Chapter 7 12-3-64	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 30 to 90 LPM discharge at 105 to 50 m head & (max. efficiency at 85 m head & 60 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	28,554.00	Each
14056 Chapter 8 12-3-65	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 30 to 90 LPM discharge at 126 to 60 m head & (max. efficiency at 102 m head & 60 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	28,565.00	Each
14056 Chapter 9 12-3-66	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 85 to 170 LPM discharge at 67 to 27 m head & (max. efficiency at 49 m head & 130 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	24,501.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14057 Chapter 0 12-3-67	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 30 to 90 LPM discharge at 147 to 70 m head & (max. efficiency at 119 m head & 60 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	28,314.00	Each
14057 Chapter 1 12-3-68	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 30 to 90 LPM discharge at 168 to 80 m head & (max. efficiency at 136 m head & 60 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	30,112.00	Each
14057 Chapter 2 12-3-69	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 85 to 170 LPM discharge at 88 to 36 m head & (max. efficiency at 68 m head & 130 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	27,374.00	Each
14057 Chapter 3 12-3-70	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 85 to 170 LPM discharge at 110 to 46 m head & (max. efficiency at 83 m head & 130 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	29,680.00	Each
14057 Chapter 4 12-3-71	Supplying and erecting submersible pumpset of required HP with 415 V, 50 c/s AC supply suitable for 100 mm dia. borewell suitable for 85 to 170 LPM discharge at 133 to 55 m head & (max. efficiency at 100 m head & 130 lpm) discharge & delivery pipe of necessary diameter with a necessary H type clamps as per specification No. WP-SMP	32,864.00	Each
Chapter 12-4 Submersible Pumps for Open wells (WP-OSP)			
14057 Chapter 5	Chapter 12-4-1 Supplying and erecting submersible pump set suitable for erection on open well of required HP with 415 V 50 c/s.A.C. supply, having delivery head from 21 to 7 m and discharge from 200 to 800 Itrs. per minute (Max efficiency at 16 m head & 500 Itr discharge) & delivery pipe of necessary diameter erected with necessary H type clamps as per specification No. WP-OSP	17,898.00	Each
14057 Chapter 6	Chapter 12-4-2 Supplying and erecting submersible pump set suitable for erection on open well of required HP with 415 V 50 c/s.A.C. supply, having delivery head from 24 to 13m. and discharge from 400 to 1000 Itrs. per minute (Max efficiency at 21m head & 680 Itr discharge)	19,621.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
	& delivery pipe of necessary diameterline erected with necessary H type clamps as per specification No. WP-OSP		
14057 7	Chapter 12-4-3 Supplying and erecting submersible pump set suitable for erection on open well of required HP with 415 V 50 c/s.A.C. supply, having delivery head from 20 to 10m and discharge from 450 to 1600 Itrs. per minute (Max efficiency at 17 m head & 1250 Itr discharge) & delivery pipe of necessary diameter erected with necessary H type clamps as per specification No. WP-OSP	25,301.00	Each
14057 8	Chapter 12-4-4 Supplying and erecting submersible pump set suitable for erection on open well of required HP with 415 V 50 c/s.A.C. supply, having delivery head from 36 to 18 m and discharge from 400 to 1000 Itrs. per minute (Max efficiency at 29 m head & 680 Itr discharge) & delivery pipe of necessary diameter erected with necessary H type clamps as per specification No. WP-OSP	28,316.00	Each
14057 9	Chapter 12-4-5 Supplying and erecting 1 phase, 230 V, 50 Hz, submersible pump set suitable for erection on open well, pump having discharge 35 / 270L.P.M., head 30 / 15 m & delivery pipe of necessary diameter erected with necessary H type clamps as per specification No. WP-OSP	13,795.00	Each
14058 0	Chapter 12-4-6 Supplying and erecting 1 phase, 230 V, 50 Hz, submersible pump set suitable for erection on open well, pump having discharge 130 / 475 L.P.M., head 21 / 9 m & delivery pipe of necessary diameter erected withnecessary H type clamps as per specification No. WP-OSP	13,996.00	Each
	Chapter 12-5 Accessories		
14058 1	Chapter 12-5-1 Supplying and erecting D. O. L. Starter suitable for 250V. single phase, 50 cycles with overload element with necessary materials and connected to supply upto 2 H.P.	960.00	Each
14058 2	Chapter 12-5-2 Supplying and erecting D.O.L. Starter 400V. 3 phase, 50 cycles with no volt coil and overload element with necessary materials and connected to supply upto 7.5 H.P. (Similar to L & T make MK-1 DOL Model)	1,824.00	Each
14058 3	Chapter 12-5-3 Supplying and erecting D.O.L. Starter 400V. 3 phase, 50 cycles with no volt coil and overload element with necessary materials and connected to supply for 10 H.P. (Similar to L & T make MN-16 DOL Model)	2,628.00	Each
14058 4	Chapter 12-5-4 Supplying and erecting fully Automatic star/delta starter suitable for 12.5 H.P. to 15 H.P. for 3 phase squirrel cage motor totally enclosed with overload and no volt relay complete erected on provided angle iron frame. (similar to L & T make MK-1 FASD	5,992.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	model.)		
14058 Chapter 12-5-5	Supplying and erecting fully Automatic star/delta starter suitable for above 15 H.P. upto 25 H.P. squirrel cage motor totally enclosed with overload and no volt relay complete erected on provided angle iron frame.(Similar to L & T make ML-1.5 FASD Model)	11,338.00	Each
14058 Chapter 12-5-6	Supplying and erecting fully Automatic star / delta starter suitable for above 25 H. P. to 35 H. P. squirrel cage motor totally enclosed with overload and no volt relay complete erected on provided angle iron frame. (similar to L & T make MN 32 FASD model .)	17,881.00	Each
14058 Chapter 12-5-7	Supplying and erecting pump protection relay comprising current sensing phase failure and UV+OV relay with dry run and overload protection suitable for 3 phase pumps.(Similar to Minilec -D2 MPR 2 model)	2,513.00	Each
14058 Chapter 12-5-8	Supplying and erecting flat flexible 3 core 2.5 sq mm PVC sheathed submersible type copper cable suitably clamped at fixed intervals with column pipe assembly complete.	110.00	Meter
14058 Chapter 12-5-9	Supplying and erecting flat flexible 3 core 4 sq mm PVC sheathed submersible type copper cable suitably clamped at fixed intervals with column pipe assembly complete.	150.00	Meter
14059 Chapter 0	12-5-10 Supplying and erecting flat flexible 3 core 6 sq mm PVC sheathed submersible type copper cable suitably clamped at fixed intervals with column pipe assembly complete.	209.00	Meter
14059 Chapter 1	12-5-11 Supplying and erecting flat flexible 3 core 1.5 sq mm PVC sheathed submersible type copper cable suitably clamped at fixed intervals with column pipe assembly complete.	78.00	Meter
14059 Chapter 2	12-5-12 Supplying & erecting Water level controller 230/415 V AC., Two way for under ground tank operation only.	1,324.00	Each
14059 Chapter 3	12-5-13 Supplying & erecting Water level controller 230/ 415V AC., Four way for under ground & Over head tank operation.	1,374.00	Each
14059 Chapter 4	12-5-14 Supplying & erecting PVC coated 5 mm dia Brass Sensor/ electrode duly wired with nut & bolts complete	237.00	Each
14059 Chapter 5	12-5-15 Supplying & erecting automatic control panel for 3 Ph, 415 volt, A.c. Submersible/centrifugal pump set upto 7.5 HP consisting of DOL starter having relay range 9-14 AMP,S.P.P., Combined ammeter/voltmeter, phase indicating lamp enclosed in CRCA powder coated Vibration proof enclosure with IP 54 protection. Control Panel should offer single phasing, phase reversal, phase imbalance etc (Similar to LT model no.MU G6/ CAT NO. SS97756)	5,887.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14059 Chapter 6 12-5-16	Supplying & erecting automatic control panel for 3 Ph, 415 volt, A.c. Submersible/centrifugal pump set upto 7.5- 10 HP consisting of DOL starter having relay range 13-21 AMP,S.P.P., Combined ammeter/voltmeter, phase indicating lamp enclosed in CRCA powder coated Vibration proof encloser with IP 54 protection. Control Panel should offer single phasing, phase reversal, phase inbalance etc (Similar to LT model no.MU G10 / CAT NO. SS95983)	5,953.00	Each
14059 Chapter 7 12-5-17	Supplying & erecting automatic control panel for 3 Ph, 415 volt, A.c. Submersible/centrifugal pump set upto 7.5- 10 HP consisting of DOL starter having relay range 28-42 AMP,S.P.P., Combined ammeter/voltmeter, phase indicating lamp enclosed in CRCA powder coated Vibration proof encloser with IP 54 protection. Control Panel should offer single phasing, phase reversal, phase inbalance etc (Similar to LT model no.MU G10 H / CAT NO. SS95974)	6,839.00	Each
14059 Chapter 8 12-5-18	Supplying & erecting automatic control panel for 1 Ph, 230 volt, A.c. Submersible/centrifugal pump set upto 2 HP consisting of DOL starter Of suitable relay range S.P.P., Combined ammeter/ voltmeter, phase indicating lamp enclosed in CRCA powder coated Vibration proof encloser with IP 54 protection. Control Panel should offer single phasing, phase reversal, phase inbalance etc (Similar to LT model no.MR G2)	4,399.00	Each
14059 Chapter 9 12-5-19	Supplying & erecting automatic control panel for 3 Ph, 415 volt, A.c. Submersible/centrifugal pump set upto 20 HP consisting of Star Delta starter having relay range 13-21Amp,S.P.P., Combined ammeter/ voltmeter, phase indicating lamp enclosed in CRCA powder coated Vibration proof encloser with IP 54 protection. Control Panel should offer single phasing, phase reversal, phase inbalance etc (Similar to LT model no.MU G20 / CAT NO. SS 95984)	11,248.00	Each
14060 Chapter 0 12-5-20	Supplying & erecting automatic control panel for 3 Ph, 415 volt, A.c.Submersible/centrifugal pump set upto 20 HP consisting of Star Delta starter having relay range 28-42 Amp, S.P.P., Combined ammeter/ voltmeter, phase indicating lamp enclosed in CRCA powder coated Vibration proof encloser with IP 54 protection. Control Panel should offer single phasing, phase reversal, phase inbalance etc (Similar to LT model no.MU G20H / CAT NO. SS 95975)	13,639.00	Each
14060 Chapter 1 12-5-21	Supplying & erecting automatic control panel for 3 Ph, 415 volt, A.c.Submersible/ centrifugal pump set upto 30 HP consisting of Star Delta starter having relay range 30-50 Amp, S.P.P., Combined	22,781.00	Each

		Rate In (Rs)	
		Rate	Unit
	ammeter/ voltmeter, phase indicating lamp enclosed in CRCA powder coated Vibration proof enclosure with IP 54 protection. Control Panel should offer single phasing, phase reversal, phase imbalance etc (Similar to LT model no.MU G30 / CAT NO. CS 96008)		
14060 Chapter 2	12-5-22	32,032.00	Each
	Supplying & erecting Soft Starters for 3 phase 415 volt, A.C. water pump upto 15 H.P. consisting of RS-485 Communication port, Compact size & range, internal by-pass contactor, 400% max. allowed overload of nominal current, with Compatibility with teleservice software "Remote Drive" on internet, having protection for motor overload, phase sequence, excess start time, phase loss, power circuit fault, supply frequency, communication failure etc. complete.		
14060 Chapter 3	12-5-23	37,489.00	Each
	Supplying & erecting Soft Starters for 3 phase 415 volt, A.C. water pump 15 -30 H.P. consisting of RS-485 Communication port, Compact size & range, internal by-pass contactor, 400% max. allowed overload of nominal current, with Compatibility with teleservice software "Remote Drive" on internet, having protection for motor overload, phase sequence, excess start time, phase loss, power circuit fault, supply frequency, communication failure etc. complete.		
14060 Chapter 4	12-5-24	334.00	Meter
	Supplying & erecting flat flexible 3 core 10 sq.mm PVC sheathed submersible type copper cable suitably clamped at fixed intervals with colour pipe assembly complete.		
14060 Chapter 5	12-5-25	506.00	Meter
	Supplying & erecting flat flexible 3 core 16 sq.mm PVC sheathed submersible type copper cable suitably clamped at fixed intervals with colour pipe assembly complete.		
14060 Chapter 6	12-5-26	9,612.00	Each
	Supplying & erecting automatic control panel for 3 Ph, 415 volt, A.c.Submersible/ centrifugal pump set upto 10 HP consisting of Star Delta starter having relay range 6-10 Amp, S.P.P., Combined ammeter/ voltmeter, phase indicating lamp enclosed in CRCA powder coated Vibration proof enclosure with IP 54 protection. Control Panel should offer single phasing, phase reversal, phase imbalance etc (Similar to LT model no.MU G15/ CAT NO. CS94091SOVO)		
14060 Chapter 7	12-5-27	9,690.00	Each
	Supplying & erecting automatic control panel for 3 Ph, 415 volt, A.c.Submersible/ centrifugal pump set upto 10 - 15 HP consisting of Star Delta starter having relay range 13-22 Amp, S.P.P., Combined ammeter/ voltmeter, phase indicating lamp enclosed in CRCA powder coated Vibration proof enclosure with IP 54 protection. Control Panel should offer single phasing, phase reversal, phase imbalance etc (Similar to LT model no.MU G15/		

		Rate In (Rs)	
Item Description		Rate	Unit
	CAT NO. CS94091SODO)		
14060 Chapter 8	12-5-28 Supplying & erecting Float sensor switch for water level controller working on 250V & rated current 8A, with 2 mtr. wire & High quality of wire & plastic body.	402.00	Each
14060 Chapter 9	12-5-29 Supplying & erecting directly operated Single phasing preventor complete erected and connected to supply to operate in case of single phasing with guarantee for minimum one year.	1,031.00	Each
Chapter 12-6 Dewatering Pump			
14061 Chapter 12-6-1	0 Supplying & erecting Dewatering Submersible pump set 415V, 3 phase, 50C/s, A.C. supply of 2 H.P., of 2 to 17 m head with 600 to 100 LPM discharge, non clogging minimised abrasive wear, large impeller clearance & maintenance free pump set with water proof cable duly sealed with epoxy material built in protection to prevent the motor from burn out due to abnormal operation. specially designed high efficiency motor with F class insulation & the pump mechanically sealed in the oil chamber,. etc. complete as per specification no. (WP-DWP-SMP)	34,404.00	Each
Chapter 12-7 Pressure Pump			
14061 Chapter 12-7-1	1 Supplying & erecting Pressure Booster Pump, single phase, 50C/s, A.C. supply of 0.5 H.P., for Domestic Pressure boosting applications in Bungalows, appartments, hotels etc for constant pressure for Bathrooms. As per specification no. (WP-PP)	18,267.00	Each
14061 Chapter 12-7-2	2 Supplying & erecting Pressure Booster Pump, single phase, 50C/s, A.C. supply of 1 H.P., for Domestic Pressure boosting applications in Bungalows, appartments, hotels etc for constant pressure for Bathrooms. As per specification no. (WP-PP)	19,192.00	Each
14061 Chapter 12-7-3	3 Supplying & erecting Pressure Booster Pump, single phase, 50C/s, A.C. supply of 1.5 H.P., for Domestic Pressure boosting applications in Bungalows, appartments, hotels etc for constant pressure for Bathrooms. As per specification no. (WP-PP)	20,385.00	Each
Chapter 12-8 Dismantling Material			
14061 Chapter 12-8-1	4 Dismantling the existing monoblock / open well submersible water pump set centrifugal type without pipeline complete and making the site clear.	76.00	HP
14061 Chapter 12-8-2	5 Dismantling the existing ejecto type water pump set without pipeline complete and making the site clear.	76.00	HP
14061 Chapter 12-8-3	6 Dismantling the existing ejecto pump with PVC pipeline.	839.00	Each

		Rate In (Rs)	
	Item Description	Rate	Unit
14061 7	Chapter 12-8-4 Dismantling the existing ejecto pump with GI pipeline upto 10 m depth.	2,133.00	Each
14061 8	Chapter 12-8-5 Dismantling the existing Submersible pump with PVC pipeline	814.00	Each
14061 9	Chapter 12-8-6 Dismantling the existing submersible pump with GI pipeline upto 10m depth. (For additional depth of each 3 m or part thereof add Rs.50/- per 3 m, in the rates)	2,133.00	Each
14062 0	Chapter 12-8-7 Attending breakdown of water pump & accossiated anliries for fault finding including minor repairs & put in working condition & submit the report of inspection to the engineer in-charge.	814.00	Each

Specification:

Chapter Name Fire Fighting & Fire Alarm (FF)

		Rate In (Rs)	
Item Description		Rate	Unit
Chapter 13-1 Main Fire Pumps (Single Stage Centrifugal) (FF-MFP/SSC)			
14062	Chapter 13-1-1 Supplying and installing, testing, perfect aligning and proper leveling and commissioning of fire service main pump, of 1400 LPM (Litres/min.) at 56m centrifugal type single stage pump of 30 HP, (22 kW) or of suitable HP with as per specification No. FF-MFP/SSC	1,27,080.00	Each
14062	Chapter 13-1-2 Supplying and installing, testing, perfect aligning and proper leveling and commissioning of fire service main pump, of 1800 LPM (Litres/min.) at 76 m head centrifugal type single stage pump, 50 HP, (37 kW) or of suitable HP as per specification No. FF-MFP/SSC	2,02,422.00	Each
14062	Chapter 13-1-3 Supplying and installing, testing, perfect aligning and proper leveling and commissioning of fire service main pump, of 2400 LPM (Litres/min.) at 76 m head centrifugal type single stage pump, 75 HP, (55 kW) or of suitable HP as per specification No. FF-MFP/SSC	2,42,985.00	Each
Chapter 13-2 Main Fire Pumps (Multi Stage Centrifugal) (FF-MFP/MSC)			
14062	Chapter 13-2-1 Supplying and installing, testing, perfect aligning and proper leveling and commissioning of fire service main pump, multistage, of 2400 LPM (Litres/min.) at 88m head centrifugal type, 75 HP, (55 kW) or of suitable HP as per specification No. FF-MFP/MSC	3,16,752.00	Each
14062	Chapter 13-2-2 Supplying and installing, testing, perfect aligning and proper leveling and commissioning of fire service main pump, multistage, of 2800 LPM (Litres/min.) at 76m head centrifugal type, 75 HP, (55 kW) or of suitable HP as per specification No. FF-MFP/MSC	4,02,305.00	Each
14116	Chapter 13-2-3 Supplying and installing, testing, perfect aligning and proper leveling and commissioning of fire service main pump, multistage, of 2800 LPM (Liters/min.) at 105mhead centrifugal type, 120 HP, (90 kW) or of suitable HP as per specification No. FF-MFP/MSC	4,72,421.00	Each
Chapter 13-4 Jockey Pumps (Centrifugal) (FF-MFP/JP)			
14062	Chapter 13-4-1 Supplying installing, testing, commissioning of Jockey Pump of 240 LPM at 56 m head, 3 ph. 415 A.C.15 HP, (11 kW) or of suitable HP with suitable Stages as per specification No. FF-MFP/JP	50,732.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14062 7	Chapter 13-4-2 Supplying installing, testing, commissioning of Jockey Pump of 240 LPM at 105 mtr. head 3 ph. 415 A.C., 20 HP (18.5 kW) or of suitable HP with suitable Stages as per specification No. FF-MFP/JP	1,14,500.00	Each
Chapter 13-5 Booster Pump (FF-MFP/BP)			
14062 8	Chapter 13-5-1 Supplying installing, testing, commissioning of Booster Pump of 450 LPM at 35 m head single stage (mono block) 3 ph. 415 A.C. 7.5 HP or of suitable HP with suitable Stages as per specification No. FF-MFP/BP	31,797.00	Each
14062 9	Chapter 13-5-2 Supplying installing, testing, commissioning of Booster Pump of 468 LPM at 40m head, 10 HP or of suitable HP with suitable Stages as per specification No. FF-MFP/BP	38,307.00	Each
14063 0	Chapter 13-5-3 Booster Pump of 180 LPM at average 40 m Head, 5 HP or of suitable HP with suitable Stages.	23,008.00	Each
14063 1	Chapter 13-5-4 Booster Pump of 900 LPM at average 40 m Head, 12.5 HP either Monoblock or of suitable HP with suitable Stages.	48,256.00	Each
Chapter 13-6 Pipes (FF-PP)			
14063 2	Chapter 13-6-1 Supplying and installing G.I.pipe above ground of 'C' class ERW of size 20 mm dia with necessary fittings as per specification No. FF-PP	236.00	Meter
14063 3	Chapter 13-6-2 Supplying and installing G.I.pipe above ground of 'C' class ERW of size 25 mm dia with necessary fittings as per specification no. FF-PP	305.00	Meter
14063 4	Chapter 13-6-3 Supplying and installing G.I.pipe above ground of 'C' class ERW of size 50 mm dia with necessary fittings as per specification No. FF-PP	574.00	Meter
14063 5	Chapter 13-6-4 Supplying and installing G.I.pipe above ground of 'C' class ERW of size 75/80 mm dia with necessary fittings as per specification No. FF-PP	911.00	Meter
14063 6	Chapter 13-6-5 Supplying and installing G.I.pipe above ground of 'C' class ERW of size 100 mm dia with necessary fittings as per specification no. FF-PP	1,251.00	Meter
14063 7	Chapter 13-6-6 Supplying and installing G.I.pipe above ground of 'C' class ERW of size 150 mm dia with necessary fittings as per specification no. FF-PP	1,790.00	Meter
14063 8	Chapter 13-6-7 Supplying and installing G.I.pipe above ground of 'C' class ERW of size 200 mm dia with necessary fittings as per specification no. FF-PP	2,412.00	Meter

			Rate In (Rs)	
Item Description			Rate	Unit
14063	Chapter 13-6-8	Providing coating of Bitumen Paint & 4mm thick Wrapping as per IS 10221 for underground 100 mm Ring Main of Fire Fighting System.	304.00	Meter
9				
14064	Chapter 13-6-9	Providing coating of Bitumen Paint & 4mm thick Wrapping as per IS 10221 for underground 150 mm Ring Main of Fire Fighting System.	405.00	Meter
0				
14064	Chapter 13-6-10	Providing coating of Bitumen Paint & 4mm thick Wrapping as per IS 10221 for underground 200 mm Ring Main of Fire Fighting System.	562.00	Meter
1				
Chapter 13-7 Foot Valve (FF-FV)				
14064	Chapter 13-7-1	Supplying and installing cast iron foot valve ball type/flap type of size 80 mm dia with strainer for negative suction as per specification No. FF-VL/FV	4,007.00	Each
2				
14064	Chapter 13-7-2	Supplying and installing cast iron foot valve ball type/flap type of size 100 mm dia with strainer for negative suction as per specification No. FF-VL/FV	5,786.00	Each
3				
14064	Chapter 13-7-3	Supplying and installing cast iron foot valve ball type/flap type of size 150 mm dia with strainer for negative suction as per specification No. FF-VL/FV	14,978.00	Each
4				
14064	Chapter 13-7-4	Supplying and installing cast iron foot valve ball type/flap type of size 200 mm dia with strainer for negative suction as per specification No. FF-VL/FV	25,283.00	Each
5				
Chapter 13-7-5 End Line Strainer (+ve suction) (ELS)				
14064	Chapter 13-7-5-1	Supplying and installing 75/80 mm dia end line strainer for +ve suction as per specification No. FF-VL/ELS	3,936.00	Each
6				
14064	Chapter 13-7-5-2	Supplying and installing 100 mm dia end line strainer for +ve suction as per specification No. FF-VL/ELS	5,474.00	Each
7				
14064	Chapter 13-7-5-3	Supplying and installing 150 mm dia end line strainer for +ve suction as per specification No. FF-VL/ELS	8,084.00	Each
8				
14064	Chapter 13-7-5-4	Supplying and installing 200 mm dia end line strainer for +ve suction as per specification No. FF-VL/ELS	11,451.00	Each
9				
Chapter 13-7-6 Sluice Valve				
14065	Chapter 13-7-6-1	Supplying and installing cast iron double flange sluice valve 75/80 mm dia. as per specification No. FF-VL/SV	4,684.00	Each
0				
14065	Chapter 13-7-6-2	Supplying and installing cast iron double flange sluice valve 100 mm dia. as per specification No. FF-VL/SV	6,852.00	Each
1				

			Rate In (Rs)	
Item Description			Rate	Unit
14065	Chapter 2 13-7-6-3	Supplying and installing cast iron double flange sluice valve 150 mm dia. as per specification No. FF-VL/SV	10,562.00	Each
14065	Chapter 3 13-7-6-4	Supplying and installing cast iron double flange sluice valve 200 mm dia.as per specification No. FF-VL/SV	18,023.00	Each
Chapter 13-7-7 Butterfly Valves (BFV)				
14065	Chapter 4 13-7-7-1	Supplying & Installing cast iron double flange butterfly valve of size 75/80 mm dia. as per specification No. FF-VL/BFV	2,588.00	Each
14065	Chapter 5 13-7-7-2	Supplying & Installing cast iron double flange butterfly valve of size 100 mm dia. as per specification No. FF-VL/BFV	3,310.00	Each
14065	Chapter 6 13-7-7-3	Supplying & Installing cast iron double flange butterfly valve of size 150 mm dia. as per specification No. FF-VL/BFV	5,104.00	Each
14065	Chapter 7 13-7-7-4	Supplying & Installing cast iron double flange butterfly valve of size 200 mm dia.as per specification No. FF-VL/BFV	8,182.00	Each
Chapter 13-7-8 Non Return Valves (NRV)				
14065	Chapter 8 13-7-8-1	Supplying and installing double flange NRV of size 75/80 mm dia as per specification No. FF-VL/NRV	5,610.00	Each
14065	Chapter 9 13-7-8-2	Supplying and installing double flange ball type NRV of size 75/80 mm dia as per specification No. FF-VL/NRV	6,332.00	Each
14066	Chapter 0 13-7-8-3	Supplying and installing double flange NRV of size 100 mm dia as per specification No. FF-VL/NRV	7,962.00	Each
14066	Chapter 1 13-7-8-4	Supplying and installing double flange NRV of size 150 mm dia as per specification No. FF-VL/NRV	17,396.00	Each
14066	Chapter 2 13-7-8-5	Supplying and installing double flange Ball type NRV of size 150 mm dia as per specification No. FF-VL/NRV	22,547.00	Each
14066	Chapter 3 13-7-8-6	Supplying and installing double flange NRV of size 200 mm dia as per specification No. FF-VL/NRV	24,910.00	Each
14066	Chapter 4 13-7-8-7	Supplying and installing double flange Ball type NRV of size 200 mm dia as per specification No. FF-VL/NRV	41,656.00	Each
Chapter 13-7-9 Gate / Wheel Valves (GV)				
14066	Chapter 5 13-7-9-1	Supplying & installing gun metal gate valve of size 20mm dia as per specification No. FF-VL/GV	828.00	Each
14066	Chapter 6 13-7-9-2	Supplying & installing gun metal gate valve of size 25mm dia as per specification No. FF-VL/GV	1,067.00	Each
14066	Chapter 7 13-7-9-3	Supplying & installing gun metal gate valve of size 50mm dia as per specification No. FF-VL/GV	1,083.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
	Chapter 13-7-10	Hydrant Valves (HV)		
14066 8	Chapter 13-7-10-1	Supplying and installing gun metal single outlet hydrant valve fitted with necessary accessories complete as per specification No. FF-VL/HV	7,494.00	Each
14066 9	Chapter 13-7-10-2	Supplying and installing gun metal Stainless Steel single outlet hydrant valve fitted with necessary accessories complete as per specification No. FF-VL/HV	4,777.00	Each
14067 0	Chapter 13-7-10-3	Supplying and installing gun metal Double outlet hydrant valve fitted with necessary accessories complete as per specification No. FF-VL/HV	3,023.00	Each
14067 1	Chapter 13-7-10-4	Supplying and installing gun metal Stainless Steel Double outlet hydrant valve fitted with necessary accessories complete as per specification No. FF-VL/HV	12,314.00	Each
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	Chapter 13-8	Fire Fighting Accessories (FF-FFA)		
	Chapter 13-8-1	Priming Tank		
14067 2	Chapter 13-8-1-1	Supplying & installing One piece moulded HDP / Fibre water tank. for -ve suction only, having capacity 1000 ltrs.fitted with necessary accessories complete as per specification No. FF-FFA/PT	9,413.00	Each
	Chapter 13-8-2	Hose Reel with Drum (HR)		
14067 3	Chapter 13-8-2-1	Supplying and installing wall mounting swinging Hose reel drum fitted with 19 mm dia. 30m high pressure polypropylene (Polyhose) long fitted with necessary accessories complete as per specification No. FF-FFA/HV	6,066.00	Each
	Chapter 13-8-3	Hose Pipes		
14067 4	Chapter 13-8-3-1	Supplying fire fighting C.P. (controlled percolation) Hose pipe, 63mm dia, 15m in length, fitted with necessary accessories complete as per specification no. FF-FFA/CPH	3,658.00	Each
14067 5	Chapter 13-8-3-2	Supplying fire fighting R.R.L. Hose pipe, 63mm dia,15m in length, fitted with necessary accessories complete as per specification no. FF-FFA/RRL	4,596.00	Each
14067 6	Chapter 13-8-3-3	Supplying & erecting high pressure poly propylene hose pipe 19 mm dia.complete as per specification No. FF-FFA/HOP	161.00	Meter
14067 7	Chapter 13-8-3-4	Supplying & erecting high pressure rubber hose pipe 19 mm dia complete as per specification no. FF-FFA/RHP	112.00	Meter
	Chapter 13-8-4	Nozzles (NZ)		

			Rate In (Rs)	
Item Description			Rate	Unit
14067	Chapter 8 13-8-4-1	Supplying G.M. branch pipe of 63 mm Ø fitted with 20 mm Ø detachable hexagonal nozzle as per specification No. FF-FFA/NZ	1,583.00	Each
14067	Chapter 9 13-8-4-2	Supplying Stainless Steel branch Pipe 63 mm Ø fitted with 20 mm dia detachable hexagonal nozzle as per specifications No. FF-FFA/NZ	1,613.00	Each
14068	Chapter 0 13-8-4-3	Supplying & erecting Gun Metal Chrome plated Nozzle, 19 mm Ø complete as per specification No. FF-FFA/NZ	876.00	Each
Chapter 13-8-5 Fire Brigade Connection (FBC)				
14068	Chapter 1 13-8-5-1	Supplying and installing fire brigade Header of 150 mm Ø, for supplying water in fire tank as per specification No. FF-FA/FBC	8,158.00	Each
Chapter 13-8-6 Siamese Connection (SMC)				
14068	Chapter 2 13-8-6-2	Supplying and installing fire brigade Header (Siamese Connection) of 150 mm Ø for supplying water to wet riser system as per specification No. FF-FFA/SMC	9,771.00	Each
Chapter 13-8-7 Air Cushion Tank (Air Vessel) (ACT)				
14068	Chapter 3 13-8-7-1	Supplying and installing Air Vessel of 300 mm Ø 1.5m in height M.S. tank installed inside pump house as per specification No. FF-FFA/ACT	10,266.00	Each
Chapter 13-8-8 Air Release Valve (ARV)				
14068	Chapter 4 13-8-8-1	Supplying and erecting 20/25mm Ø G.M.air release cock, with necessary G.I. coupling to be fitted on top of Air vessel or on wet riser as per specification No. FF-FFA/ARV	683.00	Each
Chapter 13-8-9 Pressure Guage (PG)				
14068	Chapter 5 13-8-9-1	Supplying and installing pressure gauge of 100 mm Ø., 0-300 PSI or 0-14 kg per cm square fitted with 12/15 mm Ø. pad cock valve, and G.I. pipe, elbow etc. as per requirement in an approved manner as per specification No. FF-FFA/PG	652.00	Each
Chapter 13-8-10 Pressure Switch(PS)				
14068	Chapter 6 13-8-10-1	Supplying and installing DANFOSS make pressure switch with 12/15 mm Ø isolation valve, G.I. nipple, elbow etc. in an approved manner as per specification No. FF-FFA/PS	1,539.00	Each
Chapter 13-8-11 Orifice Plate(OP)				
14068	Chapter 7 13-8-11-1	Supplying and erecting one no. Brass orifice plate having 6 mm. thickness, 140 mm outer dia of 140 mm at every single outlet	846.00	Each

		Rate In (Rs)	
		Rate	Unit
		hydrant valve as per specification No. FF-FFA/OP	
14068	Chapter 8 13-8-11-2	Supplying and erecting one no. Brass orifice plate having 6 mm thickness, 160 mm outer dia at every double outlet hydrant valve as per specification No. FF-FFA/OP	911.00 Each
	Chapter 13-8-12	MS / CRCA Boxes (BOX)	
14068	Chapter 9 13-8-12-1	Supplying and erecting M.S./CRCA cabinet for housing single hydrant valve (size 400 x 400 x 400mm.) made from 16 SWG sheet and angle iron 25 mm. x 25 mm. x 4 mm. having front doors with viewing glass (8"x6") and locking arrangement with necessary fixing material such as rubber bidding etc. duly painted in post box red colour.	4,395.00 Each
14069	Chapter 0 13-8-12-2	Supplying and erecting M.S./CRCA cabinet for housing Fire Brigade / SIEMESE connections (size 1250 x 400 x 300 mm.) made from 16 SWG sheet and angle iron 25 mm. x 25 mm. x 4 mm. having front doors with viewing glass (8" x 6") and locking arrangement with necessary fixing material such as rubber bidding etc. duly painted in post box red colour.	6,732.53 Each
14069	Chapter 1 13-8-12-3	Supplying and erecting M.S./CRCA cabinet for housing Floor Hydrant valve, hose pipe, hose reel and branch pipe (size 1000 mm x 736mm x 736 mm.) made from 16 SWG sheet and angle iron 25 mm. x 25 mm. x 4 mm. having front doors with viewing glass (8"x6") and locking arrangement with necessary fixing material such as rubber bidding etc. duly painted in post box red colour.	13,094.00 Each
14069	Chapter 2 13-8-12-4	Supply Stainless steel branch pipe of 63 mm dia. Fitted with 20mm dia. ISI markes IS 903 complete in all respect	1,827.00 Each
14069	Chapter 3 13-8-12-5	Stainless steel landing valve single head dia.3mm (Type A) ISI marked IS 5290 complete in all respects brand Lifeguard	4,734.00 Each
	Chapter 13-9	Fire Alarm System (FF-FAS)	
14069	Chapter 13-9-1 4	Supplying and erecting testing heat detector complete on box as per specification no. FF-FAS/HD	1,452.00 Each
14069	Chapter 13-9-2 5	Supplying, erecting and testing optical type smoke detector complete on box as per specification No. FF-FAS/SD	1,558.00 Each
14069	Chapter 13-9-3 6	Supplying & Erecting four wire conventionally single ended reflected type beam smoke detector with 8" receiver . The range of smoke detector is max 325 feet.	48,247.00 Each
	Chapter 13-10	Fire Alarm Accessories (FF-FAAS)	

			Rate In (Rs)		
Item Description			Rate	Unit	
14069	Chapter 7	13-10-1	Supplying, erecting, testing and commissioning Manual Call Point (Pill box) with break glass push button in metal enclosure complete as per specification No. FF-FAAS/MCP	486.00	Each
14069	Chapter 8	13-10-2	Supply and erecting hooters with CRCA enclosure complete as per specification No. FF-FAAS/HTR	569.00	Each
14069	Chapter 9	13-10-3	Supplying, erecting and testing remote response indicators as per specification No. FF-FAAS/RRI	183.00	Each
14070	Chapter 0	13-10-4	Supplying and erecting XLPE armoured cable 2 core 1.5 sq.mm. copper conductor complete erected on wall/ ceiling as per specification No. CB-LT/CU	92.00	Meter
14070	Chapter 1	13-10-5	Supplying and erecting XLPE armoured cable 4 core 1.5 sq.mm. copper complete erected on wall/ ceiling as per specification No. CB-LT/CU	107.00	Meter
14070	Chapter 2	13-10-6	Supplying and erecting XLPE armoured cable 8 core 1.5 sq.mm. copper complete erected on wall/ ceiling as per specification No. CB-LT/CU	215.00	Meter
14070	Chapter 3	13-10-7	Supplying and erecting XLPE armoured cable 12 core 1.5 sq.mm. copper complete erected on wall/ ceiling as per specification No. CB-LT/CU	295.00	Meter
14070	Chapter 4	13-10-8	Supplying, erecting, testing and commissioning the 2 Zones Microprocessor based conventional Fire Alarm Control Panel (FACP) with standard accessories complete as per specification No. FF-FAAS/FACP	15,870.00	Each
14070	Chapter 5	13-10-9	Supplying, erecting, testing and commissioning 2 Zone, local signal control panel (LCP) with standard accessories complete as per specification No. FF-FAAS/LCP	4,798.00	Each
Chapter 13-11 P A System (FF-PAS)					
14070	Chapter 6	13-11-1	Supplying, erecting, testing and commissioning amplifier 120 W for Public address system suitable to operate on 230 Volts A.C. / 12 Volts D.C. supply as per specification No. FF-PA/AFR	15,526.00	Each
14070	Chapter 7	13-11-2	Supplying, erecting, testing and commissioning sound column 15 Watts complete as per specification No. FF-PA/SOC	2,359.00	Each
14070	Chapter 8	13-11-3	Supplying, erecting, testing and commissioning microphone as per specification No. FF-PA/MIC	4,501.00	Each
14070	Chapter 9	13-11-4	Supplying & erecting, stand for microphone. (Similar to AHUJA make model DGN)	1,596.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
14071 Chapter 0 13-11-5	Supplying & erecting, Table stand for microphone. (Similar to AHUJA make model DGT)		1,000.00	Each
14071 Chapter 1 13-11-6	Supplying erecting, testing to 2 core shielded Microphone cable as per specification No. FF-PA/MCC		122.00	Meter
Chapter 13-12 Sprinklers (FF-SPR)				
14071 Chapter 2 13-12-1	Supplying and erecting 15 mm (½") dia. NBCM Body chrome finished quartzoid bulb sprinkler having 68° C fixed temperature rating with deflector disc of conventional construction as per specification No. FF-SPR		381.00	Each
14071 Chapter 3 13-12-2	Supplying & erecting vane type water flow detector suitable for detecting flow of water in wet sprinkler pipe of main line or branch lines of 75/80 mm dia having following features 1) Visual Switch Activation 2) Rugged Switch Assembly 3) Heavy Duty Alluminium pipe Saddles 4) Durable Metal Encloser 5) Steel U Bolts For Secure Mounting 6) Two SPDT (Single Pole Double Track) Synchronised Switches 7) Serviceable Without Draining Pipes		6,061.00	Each
14071 Chapter 4 13-12-3	Supplying & erecting vane type water flow detector suitable for detecting flow of water in wet sprinkler pipe of main line or branch lines of 100 mm dia having following features 1) Visual Switch Activation 2) Rugged Switch Assembly 3) Heavy Duty Alluminium pipe Saddles 4) Durable Metal Encloser 5) Steel U Bolts For Secure Mounting 6) Two SPDT (Single Pole Double Track) Synchronised Switches 7) Serviceable Without Draining Pipes		6,923.00	Each
Chapter 13-13 FIRE SEALANT SYSTEM (FF-FRM)				
14071 Chapter 5 13-13-1	Supplying and erecting Fire resistant Mortar (20 kg) with fire resistance class S90 as per National Electrical Code (NEC) SP30-2011 suitable to seal the openings with all kinds of cables, pipes and cable support system in steel and aluminium and plastic profiles (Except hollow core conductors). The residual openings shall be closed with filler, as per specification No. FF-FRM		7,823.00	Per Job
14071 Chapter 6 13-13-2	Supplying & Erecting four wire conventionally single ended reflected type beam smoke detector with 8 " receiver . The range of smoke detector is max 164feet.		31,452.00	Each
Chapter 13-14 FIRE SAFETY AUDIT				
14071 Chapter 7 13-14-1	Providing/Conducting Complete Fire audit including submission of building wise audit/compliance Report		6.00	Sq.m

Specification:

Chapter Name Temporary Illumination

		Rate In (Rs)	
Item Description		Rate	Unit
Chapter 14-1 Temporary Illumination			
14071 8	Chapter 14-1-1 Temporary illumination consisting of tube light day light & colour 4' X 36/40 Watts complete erected with tubes, mains and Switchgears with continuous earth wire erected and dismantled without using scaffolding upto three days.	38.00	Each
14071 9	Chapter 14-1-2 Temporary illumination consisting of tube light day light & colour 4' X 36/40 Watts complete erected with tubes, mains and Switchgears with continuous earth wire erected and dismantled with using scaffolding upto three days.	50.00	Each
14072 0	Chapter 14-1-3 Temporary illumination consisting of flood light fitting 1000/500W. complete halogen fitting with lamp, holders, mains and Switchgears with continuous earth wire erected and dismantled without using scaffolding upto three days.	184.00	Each
14072 1	Chapter 14-1-4 Temporary illumination consisting of flood light 1000/500W. complete halogen fitting with lamp, holders, mains and Switchgears with continuous earth wire erected and dismantled, with scaffolding upto three days.	196.00	Each
14072 2	Chapter 14-1-5 Temporary illumination consisting of Metal Halide flood light fitting 250 W complete with lamp, holders, mains and Switchgears with continuous earth wire erected and dismantled without using scaffolding upto three days.	242.00	Each
14072 3	Chapter 14-1-6 Temporary illumination consisting of Metal Halide flood light fitting 250 W complete with lamp, holders, mains and Switchgears with continuous earth wire erected and dismantled, with using scaffolding upto three days.	254.00	Each
14072 4	Chapter 14-1-7 Temporary illumination consisting of Metal Halide flood light fitting 400 W complete with lamp, holders, mains and Switchgears with continuous earth wire erected and dismantled, without using scaffolding upto three days.	257.00	Each
14072 5	Chapter 14-1-8 Temporary illumination consisting of Metal Halide flood light fitting 400 W complete with lamp, holders, mains and Switchgears with continuous earth wire erected and dismantled, with using scaffolding upto three days.	269.00	Each
14072 6	Chapter 14-1-9 Temporary illumination consisting of white/colour series lights 50 Nos. with miniature lamps of 6.2 to 16V with holders, bulbs, mains and Switchgears erected and dismantled with rotor effect as approved without scaffolding upto three days.	915.00	Per Thousand

			Rate In (Rs)	
Item Description			Rate	Unit
14072 Chapter 7 14-1-10	Temporary illumination consisting of white/colour series lights 50 Nos. with miniature lamps of 6.2 to 16V with holders, bulbs, mains and Switchgears erected and dismantled with rotor effect as approved with scaffolding upto three days	1,100.00	Per Thousand	
14072 Chapter 8 14-1-11	Temporary illumination consisting of 2000W sungun or colour tran light fitting complete with stand cutter & strainer alongwith mains, tube & Switchgears with continuous earth wire erected & dismantled without scaffolding upto three days.	398.00	Each	
14072 Chapter 9 14-1-12	Providing & fixing Electronic rotating machine to give running effect to strips lights & miniature lights upto a load of 5000 W either mechanical cum electrical or electronics complete with mains & Switchgears with continuous earth wire and dismantling upto three days.	369.00	Each	
14073 Chapter 0 14-1-13	Temporary illumination wrapping of coloured gelatin paper to 36/40 W, fluorescent tube light/500 W flood light fitting complete with rubber boards and dismantling upto three days.	6.00	Each	
14073 Chapter 1 14-1-14	Providing oscillating type pedestal air circulators 600/900 mm or air cooler connected with necessary mains, Switchgears with continuous earthing maintaining the same during the function & including dismantling upto three days.	293.00	Each	
14073 Chapter 2 14-1-15	Providing oscillating type pedestal fan 16" (400 mm) or ceiling fan connected with necessary mains, Switchgears with continuous earthing maintaining the same during the function & including dismantling upto three days.	140.00	Each	
14073 Chapter 3 14-1-16	Providing evaporator air cooler connected with necessary mains, Switchgears with continuous earthing maintaining the same during the function & including dismantling upto three days.	347.00	Each	
14073 Chapter 4 14-1-17	Providing heavy duty Exhaust fan 18" or 24" connected with necessary mains, Switchgears with continuous earthing maintaining the same during the function and including dismantling for three days.	342.00	Each	
14073 Chapter 5 14-1-18	Providing temporary plug point with 3 pin 6A/16A with necessary mains & Switchgears & continuous earth connection upto three days.	27.00	Each	
14073 Chapter 6 14-1-19	Providing 1.5 Ton capacity window Air conditioning unit complete with temporary frame and fabrication work and required material to achieve cooling temperature connected along with necessary mains, switchgear and continuous earthing maintaining the same during the function and including dismantling; for three days.	3,015.00	Each	

			Rate In (Rs)	
Item Description			Rate	Unit
14073 Chapter 7 14-1-20	Providing 280 liters capacity Refrigerator complete with M.S. stand if necessary connected with main switchgear and continuous earthing maintaining the same during the function and including dismantling; for three days.		635.00	Each
14073 Chapter 8 14-1-21	Providing 120/150 liter capacity water cooler with water filter (Candle type or UV tube) with M.S. stand complete with minor plumbing work if necessary connected with mains switchgear and continuous earthing maintaining the same during the function and including dismantling; for three days.		1,333.00	Each
14073 Chapter 9 14-1-22	Providing 20"/24" colour Television with multi channel tuner, connected with necessary mains switchgear with continuous earthing maintaining the same during the function and including dismantling; for three days.		332.00	Each
14074 Chapter 0 14-1-23	Providing 6V/10V with 20/40 Watt fluorescent emergency lamp connected with necessary mains switchgear and continuous earthing maintaining the same during the function and including dismantling; for three days.		136.00	Each
14074 Chapter 1 14-1-24	Providing Digital projector with spring loaded white screen connected with necessary mains, switchgear and maintaining the same during the function including dismantling.		4,647.00	Each
14074 Chapter 2 14-1-25	Temporary illumination consisting of Round LED/ neon flex LED/ flexible strip LED having 2 to 5 W capacity per meter and consisting suitable power adaptor with mains, Switchgears erected and dismantled without using scaffolding and maintaining the same upto 3 days		12.00	Meter
14074 Chapter 3 14-1-26	Temporary illumination consisting of Round LED/ neon flex LED/ flexible strip LED having 2 to 5 W capacity per meter and consisting suitable power adaptor with mains, Switchgears erected and dismantled with using scaffolding and maintaining the same upto 3 days		14.00	Meter
14074 Chapter 4 14-1-27	Providing & maintaining temporary 2 Ton capacity split type Air conditioning unit complete with temporary stand and fabrication work and required material to achieve cooling temperature connected along with necessary mains, switchgear and continuous earthing maintaining the same during the function and including dismantling. for three day.		5,160.00	Each
14074 Chapter 5 14-1-28	Providing & maintaining temporary 2 Ton capacity window type Air conditioning unit complete with temporary stand and fabrication work and required material to achieve cooling temperature connected along with necessary mains, switchgear		3,716.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	and continuous earthing maintaining the same during the function and including dismantling; for three day.		
14074 Chapter 6 14-1-29	Providing & maintaining temporary 1.5 Ton capacity split type Air conditioning unit complete with temporary stand and fabrication work and required material to achieve cooling temperature connected along with necessary mains, switchgear and continuous earthing maintaining the same during the function and including dismantling for three day.	4,442.00	Each
14074 Chapter 7 14-1-30	Providing & maintaining temporary 3.5 Ton capacity Tower type Air conditioning unit complete with temporary stand and fabrication work and required material to achieve cooling temperature connected along with necessary mains, switchgear and continuous earthing maintaining the same during the function and including dismantling for three day.	12,806.00	Each
14074 Chapter 8 14-1-31	Providing & maintaining temporary 4.5 Ton capacity Tower type Air conditioning unit complete with temporary stand and fabrication work and required material to achieve cooling temperature connected along with necessary mains, switchgears and continuous earthing, maintaining the same during the function and including dismantling for three day.	14,379.00	Each
14074 Chapter 9 14-1-32	Providing & maintaining LCD/LED Colour T.V. (32" to 42" size) & positioning at at site with required cabling as per direction of authority, duly connecting & testing for three days.	903.00	Each
14075 Chapter 0 14-1-33	Providing, maintaining and operating Public address system on hire consisting 02 Nos. Solid state heavy wattage amplifier 250 watts (one for working and another for stand by emergency) working on AC / generator and 24 volt car battery supply, 06 Nos. of matching of 100 volt line (200 watts) box type speakers/sound column, 02 Nos super Sensitive microphone with suitable size of microphone holding stand. The system shall be in a fully automatic change over operation in case of failure of supply for one day.	6,785.00	Per Job
14075 Chapter 1 14-1-34	Providing & maintaining additional Box type speaker of 100 Volt line (100 watts) for one days.	291.00	Each
14075 Chapter 2 14-1-35	Providing and maintaining cordless (Hand type or lape type) super sensitive HUF microphone (1 no stand by) for one days.	2,210.00	Each
14075 Chapter 3 14-1-36	Providing, maintaining and operating on finger tip switcher of 8 ways to operate the public address system between dias and participants in the hall with necessary cabling, wiring etc for one days.	1,796.00	Each

		Rate In (Rs)	
		Rate	Unit
		Item Description	
14075 Chapter 4 14-1-37	Providing & maintaining All in one Desktop PC with following configuration Intel TM second generation core i3 G630, 2GB DDR3 RAM, 1TB HARD DISK, DVDR W optical drive 20" LED screen, Web camera, wifi, bluetooth, keyboard & mouse, Media card reader etc for three day.	1,012.00	Each
14075 Chapter 5 14-1-38	Providing & maintaining Laser Printer, Resolution (in dpi) Mono 600, paper size A4, print speed in PPM (A4 size) 25, Port : 1 USB, Memory (in MB): NA Network card 10/100:YES, Duplexing: YES etc on hire basis for three day.	290.00	Each
14075 Chapter 6 14-1-39	Providing & maintaining 1 KVA, On line UPS pure sine wave on hire basis suitable for 30 minutes battery backup to provided computer with necessary interconnecting cabling, wiring etc for three days.	2,107.00	Each
14075 Chapter 7 14-1-40	Providing & maintaining 600 VA Digital Pure Sine wave Invertor based on IGBT technology on hire basis suitable for 120 minutes battery backup to electrical installation with necessary interconnecting cabling, wiring etc for one days.	437.00	Each
14075 Chapter 8 14-1-41	Providing & maintaining 1400 VA Digital Pure Sine wave Invertor based on IGBT technology on hire basis suitable for 120 minutes battery backup to electrical installation with necessary interconnecting cabling, wiring etc for one days.	767.00	Each
14075 Chapter 9 14-1-42	Providing & maintaining 2500 VA Digital Pure Sine wave Invertor based on IGBT technology on hire basis suitable for 120 minutes battery backup to electrical installation with necessary interconnecting cabling, wiring etc for one days.	1,537.00	Each
14076 Chapter 0 14-1-43	Temporary illumination Consisting of LED flood light fitting 100w to 115w Metal Halide Flood light fitting 250watt complete erected with lamp,holders, mains,switchgears with continuous earth wire erected & dismantled without using Scaffolding upto Three days	836.00	Each
14076 Chapter 1 14-1-44	Temporary Illumniation Consisting of LED flood light fitting 100w to 115w Metal Halide Flood light fitting 250watt complete erected with lamp,holders, mains,switchgears with continuous earth wire erected & dismantled with using Scaffolding upto Three days	848.00	Each
14076 Chapter 2 14-1-45	Providing Temporary Plug point with 3 phase industrial socket having CRCA sheet metal enclosure with 30A, 3 pin plug & earth socket and 30A, 3 pin, plug top with 30A, triple pole MCB, mains,switchgears with continuous earth wire upto three days	100.00	Each
14076 Chapter 3 14-1-46	Providing Temporary PVC Armoured Cable 4 core 50 sq mm Aluminium conductor with continuous 12 SWG G.I. Earth wire complete erected with gland and lugs and switchgears upto three days	19.00	Meter

		Rate In (Rs)	
		Rate	Unit
		Item Description	
14076 Chapter 4 14-1-47	Providing Temporary PVC Armoured Cable 4 core 95 sq mm Aluminium conductor with continuous 10 SWG G.I. Earth wire complete erected with gland and lugs and switchgears upto three days	24.00	Meter
14076 Chapter 5 14-1-48	Providing Temporary PVC Armoured Cable 3.5 core 150 sq mm Aluminium conductor with continuous 8 SWG G.I. Earth wire complete erected with gland and lugs and switchgears upto three days	37.00	Meter
14076 Chapter 6 14-1-49	Providing Temporary PVC Armoured Cable 3.5 core 240 sq mm Aluminium conductor with continuous 8 SWG G.I. Earth wire complete erected with gland and lugs and switchgears upto three days	51.00	Meter
14076 Chapter 7 14-1-50	Providing Temporary PVC Armoured Cable 3.5 core 300 sq mm Aluminium conductor with continuous 8 SWG G.I. Earth wire complete erected with gland and lugs and switchgears upto three days	60.00	Meter
14076 Chapter 8 14-1-51	Providing Temporary PVC Armoured Cable 3.5 core 400 sq mm Aluminium conductor with continuous 8 SWG G.I. Earth wire complete erected with gland and lugs and switchgears upto three days	65.00	Meter
14076 Chapter 9 14-1-52	Temporary Illumination Consisting of water proof LED Par Light, 54 pieces with RGBW Controller complete erected with mains,switchgears with continuous earth wire erected & dismantled without using Scaffolding upto Three days	1,064.00	Each
14077 Chapter 0 14-1-53	Temporary Illumination Consisting of water proof LED Par Light, 54 pieces with RGBW Controller complete erected with mains,switchgears with continuous earth wire erected & dismantled with using Scaffolding upto Three days	2,143.00	Each
14077 Chapter 1 14-1-54	Temporary Illumination Consisting of water proof HMI Par Light, 4000 watts complete erected with mains,switchgears with continuous earth wire erected & dismantled without using Scaffolding upto Three days	3,966.00	Each
14077 Chapter 2 14-1-55	Temporary Illumination Consisting of water proof HMI Par Light, 4000 watts complete erected with mains,switchgears with continuous earth wire erected & dismantled with using Scaffolding upto Three days	4,186.00	Each
14077 Chapter 3 14-1-56	Providing, commissioning & maintaining CCTV system with 8 chanel NVR, IP video/audio input - 1 no, IP based 2.0 MP, Full HD, IR IP Dome Camra - 2 nos, IP based 2.0 MP, Full HD, IR IP PTZ camera - 2 nos, 2TB Hard Disk - 2 no, 32" Full H D professional	9,875.00	Per Job

		Rate In (Rs)	
Item Description		Rate	Unit
	Display - 1 no, 8 port PoE Switch - 1 no, Power supply unit to camera - 1 no, On Line UPS UPS - 1 no with necessary mains, switchgears on hire basis for one day		
14077 Chapter 4 14-1-57	Providing, commissioning & maintaining additional IP based 2.0 MP, Full HD, IR IP Dome Camra in existing CCTV system with necessary mains, switchgears on hire basis for one day.	821.00	Each
14077 Chapter 5 14-1-58	Providing, commissioning & maintaining additional IP based 2.0 MP, Full HD, IR IP PTZ camera in existing CCTV system with necessary mains, for one dayswitchgears on hire basis for one day.	2,257.00	Each
14077 Chapter 6 14-1-59	Temporary illumination consisting of LED Rope Light having 2 to 5 W capacity per meter and consisting suitable power adaptor with mains, Switchgears erected and dismantled without using scaffolding and maintaining the same upto 3 days	15.00	Meter
14077 Chapter 7 14-1-60	Temporary illumination consisting of LED Rope Light having 2 to 5 W capacity per meter and consisting suitable power adaptor with mains, Switchgears erected and dismantled with using scaffolding and maintaining the same upto 3 days	19.00	Meter
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Chapter 14-2 Hiring of Generators (TE-DG)			
14077 Chapter 8	Chapter 14-2-1 Rental charges for supplying & maintaining 415V, 50 cycles A. C. generating set 125 kVA capacity with necessary fuel, mains Switchgears and accessories complete with continuous running on load/no load as per requirements complete with self certification.	17,443.00	day
14077 Chapter 9	Chapter 14-2-2 Rental charges for supplying & maintaining 415V, 50 cycles A. C. generating set 75 to 100 kVA capacity with necessary fuel, mains Switchgears and accessories complete with continuous running on load/no load as per requirements complete with self certification.	12,511.00	day
14078 Chapter 0	Chapter 14-2-3 Rental charges for supplying & maintaining 415V, 50 cycles A. C. generating set 50/62.5 kVA capacity with necessary fuel, mains Switchgears and accessories complete with continuous running on load/no load as per requirements complete with self certification.	10,103.00	day
14078 Chapter 1	Chapter 14-2-4 Rental charges for supplying & maintaining 415V, 50 cycles A. C. generating set 25 to 40 kVA capacity with necessary fuel, mains Switchgears and accessories complete with continuous running on load/no load as per requirements complete with self certification.	7,719.00	day
14078 Chapter 2	Chapter 14-2-5 Rental charges for supplying & maintaining 415V, 50 cycles A. C. generating set 11 to 25 kVA (excluding 25 kVA) capacity	6,972.00	day

		Rate In (Rs)	
	Item Description	Rate	Unit
	with necessary fuel, mains Switchgears and accessories complete with continuous running on load/no load as per requirements complete with self certification.		
14078 Chapter 14-2-6 3	Rental charges for supplying & maintaining 230/415 V, 50 cycles A.C. generating set 3 to 10 kVA capacity with necessary fuel, mains Switchgears and accessories complete with continuous running on load/no load as per requirements complete with self certification.	4,516.00	day
14078 Chapter 14-2-7 4	Rental charges for supplying & maintaining 230V, 50 cycles A. C. generating set 1 to 2 kVA capacity with necessary fuel, mains Switchgears and accessories complete with continuous running on load/no load as per requirements complete with self certification.	2,325.00	day
14078 Chapter 14-2-8 5	Rental charges for supplying & maintaining 415V, 50 cycles A. C. generating set 250 kVA capacity with necessary fuel, mains Switchgears and accessories complete with continuous running on load/no load as per requirements complete with self certification.	31,894.00	day
14078 Chapter 14-2-9 6	Rental charges for supplying & maintaining 415V, 50 cycles A. C. generating set 320 kVA capacity with necessary fuel, mains Switchgears and accessories complete with continuous running on load/no load as per requirements with necessary certificate from Electrical Inspector.	40,561.00	day
14078 Chapter 14-2-10 7	Rental charges for supplying & maintaining 415V, 50 cycles A. C. generating set 500 kVA capacity with necessary fuel, mains Switchgears and accessories complete with continuous running on load/no load as per requirements with necessary certificate from Electrical Inspector.	55,482.00	day

Specification:

Rate Card PMC

Effective Date 01/04/2018

Chapter Name Siren (SRN)

		Rate In (Rs)	
Item Description		Rate	Unit
Chapter 15-1 Siren & Accessories (SRN-SRN)			
14078	Chapter 15-1-1	Dismantling the existing Siren motor from the location lowering from terrace to ground and loading and unloading for workshop.	563.00 Each
14078	Chapter 15-1-2	Transportation of siren motor from site to workshop and back. (For Municipal Corporation Area Only)	47.00 KM
14079	Chapter 15-1-3	Re-erecting the siren motor duly lifting at site and connected with assembly of existing siren by proper alignment, testing and giving test trial as original	541.00 Each
14079	Chapter 15-1-4	Scrapping the existing paint of outer surface, cleaning the surface & applying two coats of epoxy air dry paint (anticorrosive) of approved colour mixed in special type thinner complete. As per specification No. SRN-AS/PTG	1,050.00 Each
14079	Chapter 15-1-5	Supplying and fixing superior quality metallastic antivibration rubber mounting to Siren.	636.00 Each
14079	Chapter 15-1-6	Replacing the existing unservicable worn-out bearing by new 'SKF' bearings for heavy duty Siren motor.	862.00 Each
14079	Chapter 15-1-7	Scrapping existing paint of Siren motor, blower and iron foundation completely and painting the same by one coat of red oxide and two coats of approved color superior quality epoxy paint.	692.00 Each
14079	Chapter 15-1-8	Supplying & erecting of 8 km. range Siren 415 Volts 3 phase horizontal double mounting type 5 H.P. 2800 RPM 50 cycles A.C. with adjustable foundation. As per specification no. SRN-AS/SM	57,450.00 Each
14079	Chapter 15-1-9	Supplying & erecting of 3.25 km range Siren single phase 220/250 Volts Horizontal double mounting type 1/2 HP 6000 RPM 50 cycles A.C. complete with adjustable foundation. As per specification no. SRN-AS/SM	11,157.00 Each
14079	Chapter 15-1-10	Providing in position C.C. foundation (1:2:4) with plastering for Siren motor of size 60 cm X 60 cm X 20 cm. with foundation nuts and bolts of required size & strength of the terrace of the building with 1.2 cm thick hard rubber sheet packing provided in between the foundation and motor base to minimise the jerks and vibration to the slab with teak wood frame etc.	1,318.00 Each

Specification:

Rate Card PMC

Effective Date 01/04/2018

Chapter Name Civil Work (CW)

		Rate In (Rs)	
Item Description		Rate	Unit
Chapter 16-1 Excavation (CW-EXN)			
14079	Chapter 16-1-1 Making trench in soft soil of suitable width and depth as per IS for laying provided L.T cable up to 25 sq mm complete. As per specification No. CW-EXN-CTR	151.00	Meter
8			
14079	Chapter 16-1-2 Making the trench in Hard murum/Tar road of suitable width and depth as per IS for laying provided L.T cable up to 10 sq.mm.complete. As per specification No. CW-EXN-CTR	182.00	Meter
9			
14080	Chapter 16-1-3 Making the trench in Hard murum/Tar road of suitable width and depth as per IS for laying provided L.T cable of 25 sq mm & above and covered with Half round hume pipe complete. As per specification no. CW-EXN-CTR	306.00	Meter
0			
14080	Chapter 16-1-4 Making the trench in soft soil of suitable width and depth as per IS for laying provided L.T cable of 25 sq mm & above and covered with Half round hume pipe complete. As per specification no. CW-EXNCTR	275.00	Meter
1			
14080	Chapter 16-1-5 Excavating hard Rock or bituminous road (B.T.) by chiseling for preparing pit for poles stay or earth plates or for laying cables, pipes & clearing the site by removing debris & making the site good.	867.00	Cu.M
2			
14080	Chapter 16-1-6 Excavating Hard Murum/metal road (B.T.) by chiseling for preparing pit for poles stay or earth plates or for laying cables, pipes & clearing the site by removing debris & making the site good.	217.00	Cu.M
3			
14080	Chapter 16-1-7 Excavating soft Murum/Soil road by chiseling for preparing pit for poles stay or earth plates or for laying cables, pipes & clearing the site by removing debris & making the site good.	186.00	Cu.M
4			
Chapter 16-2 Masonary Work			
14080	Chapter 16-2-1 Providing transformer plinth 1.5 x 1.5 x 1.5 m in size with necessary excavation in ground at the bottom with 150 mm. thick M- 10 PCC at the bottom and top and 250 mm. thick burnt brick wall constructed at periphery and remaining hollow portion shall be filled with 60mm Hard broken aggregate, external surface duly plastered 15 mm thick including watering etc. complete.	14,313.00	Each
5			
14080	Chapter 16-2-2 Providing burnt brick masonry with 1:6 ratio cement concrete duly plastered including watering, streaking joint on exposed faces, rocking at joint on exposed faces and watering complete.	5,013.00	Cu.M
6			

		Rate In (Rs)	
Item Description	Rate	Unit	
14080 Chapter 16-2-3 7	Supplying & arranging burnt cured Bricks properly for various purposes (size 9"x4.25"x3") at work for 100 Bricks	597.00	Per Job
14080 Chapter 16-2-4 8	Providing and spreading stone metal 25 mm size for 100 mm depth above the ground level.	73.00	Sq.m
14080 Chapter 16-2-5 9	Supplying and erecting RCC chamber cover of size 750 mm x 750 mm x 50mm thick with lifting arrangement including laying of angle iron frame of angle size as 50 x 50 x6 mm to be fixed / embedded on top of chamber	2,826.00	Each
Chapter 16-3 C.C. Foundation			
14081 Chapter 16-3-1 0	Providing cement concrete foundation including excavation for the poles (45 cm x 45 cm x 1.2 m) deep in 1:3:6 cement concrete (20 to 25 mm stone metal) and 45 cm x 45 cm x 45 cm / 45 cm dia. x 45 cm height plinth duly plastered and with necessary curing and finishing in an approved manner. (for 6 m pole)	1,260.00	Each
14081 Chapter 16-3-2 1	Providing cement concrete foundation including excavation for the poles 60 cm x 60 cm x 1.5 m deep in 1:3:6 cement concrete (20 x 25 mm stone metal) and 45 cm x 45 cm x 45 cm /45 cm dia. x 45 cm height plinth duly plastered and with necessary curing and finishing in an approved manner. (for 8.5 to 9 m poles)	2,548.00	Each
14081 Chapter 16-3-3 2	Providing cement concrete foundation including excavation for the poles 60 cm x 60 cm x deep 1/6 of pole length in 1:3:6 cement concrete (20 x 25 mm stone metal) and 45 cm x 45 cm x 45 cm /45 cm dia. x 45 cm. height plinth duly plastered and with necessary curing and finishing in an approved manner. (for above 9 m poles)	3,017.00	Each
14081 Chapter 16-3-4 3	Providing Cement concrete foundation for pump in 1:2:4 with required size and length of foundation bolts and nuts (cost with wooden box is included).	4,860.00	Cu.M
14081 Chapter 16-3-5 4	Providing Cement Concrete foundation including excavation for stay 60 cm x 60 cm x 1.5 m deep in 1:3:6 cement concrete (20x25mm stone metal) with necessary curing and finishing in an approved manner.	2,413.00	Each
14081 Chapter 16-3-6 5	Providing cement concrete for foundation or for concrete filling in 1:3:6 ratio with 20 to 25 mm. stone metal duly plastered with necessary curing for pole muffing or any other purposes.	4,614.00	Cu.M
14081 Chapter 16-3-7 6	Providing & casting of M- 20 grade reinforced cement concrete (RCC) foundation suitable for 3m to 5m high octagonal / conical G.I. pole considering the safe soil bearing capacity at site as 10 T/sq m at 1.5 m depth including supply of steel, concrete,	3,983.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
	excavation and fixing provided nut bolts with the help of template as per design in an approved manner.		
14081 7	Chapter 16-3-8 Providing & casting of M- 20 grade reinforced cement concrete (RCC) foundation suitable for 6m to 8m high octagonal /conical G.I. pole considering the safe soil bearing capacity at site as 10 T/sq m at 1.5 m depth including supply of steel, concrete, excavation and fixing provided nut bolts with the help of template as per design in an approved manner.	6,544.00	Each
14081 8	Chapter 16-3-9 Providing & casting of M- 20 grade reinforced cement concrete (RCC) foundation suitable for 9m & 10m high octagonal /conical G.I. pole considering the safe soil bearing capacity at site as 10 T/sq m at 1.5 m depth including supply of steel, concrete, excavation and fixing provided nut bolts with the help of template as per design in an approved manner.	8,581.00	Each
14081 9	Chapter 16-3-10 Providing & casting of M- 20 grade reinforced cement concrete (RCC) foundation suitable for 11m & 12.5m high octagonal /conical G.I. pole considering the safe soil bearing capacity at site as 10 T/sq m at 1.5 m depth including supply of steel, concrete, excavation and fixing provided nut bolts with the help of template as per design in an approved manner	11,811.00	Each
14082 0	Chapter 16-3-11 Providing & casting M- 20 cement concrete foundation suitable for 12.5 m raising lowering high mast considering the safe soil bearing capacity at site as 10 T/sq m at 2 m depth including excavation and fixing provided nut bolts with the help of template as per design in an approved manner.	35,327.00	Each
14082 1	Chapter 16-3-12 Providing & casting M- 20 cement concrete foundation suitable for 16 m raising lowering high mast considering the safe soil bearing capacity at site as 10 T/sq m at 2 m depth including excavation and fixing provided nut bolts with the help of template as per design in an approved manner	44,098.00	Each
14082 2	Chapter 16-3-13 Providing & casting M- 20 cement concrete foundation suitable for 20 m raising lowering high mast considering the safe soil bearing capacity at site as 10 T/sq m at 2 m depth including excavation and fixing provided nut bolts with the help of template as per design in an approved manner.	55,006.00	Each
14082 3	Chapter 16-3-14 Providing & casting M- 20 cement concrete foundation suitable for 25 m high mast considering the safe soil bearing capacity at site as 10 T/sq m at 2 m depth including excavation and fixing provided nut bolts with the help of template as per design in an approved manner.	62,966.00	Each

Chapter 16-4 Painting (CW-PTG)

		Rate In (Rs)	
Item Description		Rate	Unit
14082 4	Chapter 16-4-1 Scrapping existing paint & Spray painting the table fan / pedestal fan / cabin fan / ceiling fan / exhaust fan including guards etc As per specification No. CW-PTG/PTF	114.00	Each
14082 5	Chapter 16-4-2 Scrapping the existing paint and painting of pipe pole upto 6 m length along with street light / pole brackets / clamps completely as per specification No CW -PTG/PTP.	50.00	Meter
14082 6	Chapter 16-4-3 Scrapping the existing paint and painting of steel tubular / rail / RSJ pole above 6.0 m length along with street light / pole brackets / clamps completely as per specification No CW -PTG/PTP.	68.00	Meter
14082 7	Chapter 16-4-4 Scrapping existing paint & Spray painting of fluorescent fitting with flat reflector for 1x4' FTL completely. As per specification No. CWPTG/ PFT	69.00	Each
14082 8	Chapter 16-4-5 Scrapping existing paint & Spray painting of fluorescent fitting with flat reflector for 2x4' FTL completely. As per specification No. CWPTG/ PFT	76.00	Each
14082 9	Chapter 16-4-6 Spray Painting of Panel type lift doors of MS complete. As per specification no. CW-PTG/PLD1	749.00	Each
14083 0	Chapter 16-4-7 Painting lift door of collapsible type complete. As per specification No. CW-PTG/PLD2	608.00	Each
14083 1	Chapter 16-4-8 Spray painting of distribution transformer upto 200 kVA capacity complete. As per specification No. CW-PTG/PDT	2,058.00	Per Job
14083 2	Chapter 16-4-9 Spray painting of distribution transformer above 200 kVA capacity complete. As per specification No. CW-PTG/PDT	2,843.00	Per Job
14083 3	Chapter 16-4-10 Painting fencing of transformer sub station including all supports, iron work and doors from both sides with one coat of red oxide & two coats of aluminium paint, in an approved manner as per direction.	93.00	Sq.m
14083 4	Chapter 16-4-11 Scrapping existing paint of feeder pillar / switchgears and frame of panel board completely without damaging and painting the same with single coat of Red oxide & two coats of approved quality enamel paint in an approved manner. (The square meter area of angle iron frame on which the switchgears are erected shall be considered for measurement purpose)	208.00	Sq.m
14083 5	Chapter 16-4-12 Providing powder coating of approved color shade on both sides of provided iron work / MS / CRCA sheet steel work complete including anti-rust treatment in an approved manner.	318.00	Sq.m
14083 6	Chapter 16-4-13 Providing Epoxy painting on both side of approved color shade of provided iron work / MS / CRCA sheet steel work complete along	441.00	Sq.m

			Rate In (Rs)	
Item Description			Rate	Unit
		with anti-rust treatment in an approved manner.		
14083	Chapter 7 16-4-14	Painting identification number on fittings / equipments with removal and refitting of covers, tubes etc. if required, by marker of indelible ink / enamel paint with the help of ladders, if necessary.	7.00	Each
14083	Chapter 8 16-4-15	Scrapping existing paint & Spray painting of Industrial type fluorescent fitting with flat reflector for 2x4' FTL completely. As per specification No. CW-PTG/PFT	86.00	Each
Chapter 16-5 Plumbing (CW-PLB)				
14083	Chapter 16-5-1 9	Supplying and erecting G.I.pipe 15 mm dia. 'B' class at position with accessories. As per specification No. CW-PLB/GP	152.00	Meter
14084	Chapter 16-5-2 0	Supplying and erecting ISI mark G.I.pipe 20 mm dia.'B' class at position with accessories. As per specification No. CW-PLB/GP	180.00	Meter
14084	Chapter 16-5-3 1	Supplying and erecting ISI mark G.I.pipe 25 mm. dia. 'B' class at position with accessories. As per specification no. CW-PLB/GP	256.00	Meter
14084	Chapter 16-5-4 2	Supplying and erecting ISI mark G.I.pipe 32 mm dia.'B' class at position with accessories. As per specification No. CW-PLB/GP	304.00	Meter
14084	Chapter 16-5-5 3	Supplying and erecting ISI mark G.I.pipe 40 mm. dia. 'B' class at position with accessories. As per specification No. CW-PLB/GP	362.00	Meter
14084	Chapter 16-5-6 4	Supplying and erecting ISI mark G.I.pipe 50 mm dia.'B' class at position with accessories. As per specification No. CW-PLB/GP	476.00	Meter
14084	Chapter 16-5-7 5	Supplying and erecting ISI mark G.I.pipe 65 mm. dia. 'B' class at position with accessories. As per specification No. CW-PLB/GP	639.00	Meter
14084	Chapter 16-5-8 6	Supplying and erecting ISI mark G.I.pipe 75/80 mm dia. 'B' class at position with accessories. As per specification No. CW-PLB/GP	809.00	Meter
14084	Chapter 16-5-9 7	Supplying and erecting ISI mark G.I.pipe 100 mm dia. 'B' class at position with accessories. As per specification No. CW-PLB/GP	1,176.00	Meter
14084	Chapter 16-5-10 8	Supplying and erecting ISI mark G.I. pipe 32 mm. dia 'C" class at position with accessories. As per specification No. CW-PLB/GP	360.00	Meter
14084	Chapter 16-5-11 9	Supplying and erecting ISI mark G.I. pipe 40 mm. dia 'C" class at position with accessories. As per specification No. CW-PLB/GP	420.00	Meter
14085	Chapter 16-5-12 0	Supplying and erecting ISI mark G.I. pipe 50 mm. dia 'C" class position with accessories. As per specification No. CW-PLB/GP	583.00	Meter
14085	Chapter 16-5-13 1	Supplying and erecting ISI mark G.I. pipe 65 mm. dia 'C" class position with accessories. As per specification No. CW-PLB/GP	775.00	Meter
14085	Chapter 16-5-14 2	Supplying and erecting ISI mark G.I. pipe 75/80 mm dia 'C" class position with accessories. As per specification No. CW-PLB/GP	1,046.00	Meter

			Rate In (Rs)	
Item Description			Rate	Unit
14085 Chapter 3 16-5-15	Supplying and erecting ISI mark G.I. pipe 100 mm dia 'C' class position with accessories. As per specification No. CW-PLB/GP		1,530.00	Meter
14085 Chapter 4 16-5-16	Supplying and erecting high density polythene pipe ISI mark 32 mm dia. suitable for pressure of 6 kg/cm2 connected to Jet/Submersible pump with required material complete.		66.00	Meter
14085 Chapter 5 16-5-17	Supplying and erecting high density polythene pipe ISI mark 40 mm dia. suitable for pressure of 6 kg/cm2 connected to Jet/Submersible pump with required material complete.		100.00	Meter
14085 Chapter 6 16-5-18	Supplying and erecting high density polythene pipe ISI mark 50 mm. dia. suitable for pressure of 6 Kg. / Cm2 connected to Jet/Submersible pump with required material complete.		125.00	Meter
Chapter 16-6 Plumbing Accessories				
14085 Chapter 7 16-6-1	Supplying and erecting 25mm dia. Gun metal foot valve position with necessary materials.		389.00	Each
14085 Chapter 8 16-6-2	Supplying and erecting 40mm dia. Gun metal foot valve at position with necessary materials.		752.00	Each
14085 Chapter 9 16-6-3	Supplying and erecting 50mm dia. Gun metal foot valve at position with necessary materials.		982.00	Each
14086 Chapter 0 16-6-4	Supplying and erecting 65mm dia. Gun metal foot valve at position with necessary materials.		1,808.00	Each
14086 Chapter 1 16-6-5	Supplying and erecting 75/80mm dia. Gun metal foot valve at position with necessary materials.		2,377.00	Each
14086 Chapter 2 16-6-6	Supplying and erecting 100mm dia. Gun metal foot valve at position with necessary materials.		3,652.00	Each
14086 Chapter 3 16-6-7	Supplying and erecting 25mm dia. cast iron foot valve at position with necessary materials.		275.00	Each
14086 Chapter 4 16-6-8	Supplying and erecting 40mm dia. cast iron foot valve at position with necessary materials.		453.00	Each
14086 Chapter 5 16-6-9	Supplying and erecting 50mm dia. cast iron foot valve at position with necessary materials.		566.00	Each
14086 Chapter 6 16-6-10	Supplying and erecting 65mm dia. cast iron foot valve at position with necessary materials.		915.00	Each
14086 Chapter 7 16-6-11	Supplying and erecting 75/80mm dia. cast iron foot valve at position with necessary materials.		1,341.00	Each
14086 Chapter 8 16-6-12	Supplying and erecting 100mm dia. cast iron foot valve at position with necessary materials.		2,788.00	Each

			Rate In (Rs)		
Item Description			Rate	Unit	
14086	Chapter 9	16-6-13	Supplying and erecting 25mm dia. gun metal sluice valve at position with necessary materials.	783.00	Each
14087	Chapter 0	16-6-14	Supplying and erecting 40 mm. dia. gun metal sluice valve at position with necessary materials	1,508.00	Each
14087	Chapter 1	16-6-15	Supplying and erecting 50mm dia. gun metal sluice valve at position with necessary materials.	2,162.00	Each
14087	Chapter 2	16-6-16	Supplying and erecting 65mm dia. gun metal sluice valve at position with necessary materials.	4,029.00	Each
14087	Chapter 3	16-6-17	Supplying and erecting 75/80mm dia. gun metal sluice valve at position with necessary materials.	5,679.00	Each
14087	Chapter 4	16-6-18	Supplying and erecting 100mm dia. gun metal sluice valve at position with necessary materials.	11,030.00	Each
14087	Chapter 5	16-6-19	Supplying and erecting Non return valve 25mm dia in position made of gun metal	496.00	Each
14087	Chapter 6	16-6-20	Supplying and erecting Non return valve 40mm dia in position made of gun metal.	943.00	Each
14087	Chapter 7	16-6-21	Supplying and erecting Non return valve 50mm dia in position made of gun metal.	1,378.00	Each
14087	Chapter 8	16-6-22	Supplying and erecting Non return valve 65mm dia in position made of gun metal.	3,114.00	Each
14087	Chapter 9	16-6-23	Supplying and erecting Non return valve 75/80mm dia in position made of gun metal.	4,045.00	Each
14088	Chapter 0	16-6-24	Supplying and erecting Non return valve 100mm dia in position made of gun metal.	7,610.00	Each
14088	Chapter 1	16-6-25	Supplying and erecting C.I. flange 25mm dia with necessary nuts bolts and washers with rubber seal in position.	141.00	Each
14088	Chapter 2	16-6-26	Supplying and erecting C.I. flange 40mm dia with necessary nuts bolts and washers with rubber seal in position.	150.00	Each
14088	Chapter 3	16-6-27	Supplying and erecting C.I. flange 50mm.dia with necessary nuts bolts and washers with rubber seal in position.	179.00	Each
14088	Chapter 4	16-6-28	Supplying and erecting C.I. flange 65mm. dia with necessary nuts bolts and washers with rubber seal in position.	226.00	Each
14088	Chapter 5	16-6-29	Supplying and erecting C.I. flange 75/80mm. dia with necessary nuts bolts and washers with rubber seal in position.	384.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14088 Chapter 6 16-6-30	Supplying and erecting C.I. flange 100mm. dia with necessary nuts bolts and washers with rubber seal in position.	403.00	Each
14088 Chapter 7 16-6-31	Supplying and erecting 0-100 lb/sq. inch pressure gauge having 4" dia complete with socket for 1/2" G.I. pipe.	666.00	Each
14088 Chapter 8 16-6-32	Supplying and erecting 40mm dia. ball type foot valve having C.I. body lined from inside with FRP and synthetic rubber coated reinforced) /Nitrile Rubber ball, leaded fin bronze (IS:318) FRP sheet, carbon steel (IS:1363 class 4) fastners, C.I./M.S.Stainer Complete	1,103.00	Each
14088 Chapter 9 16-6-33	Supplying and erecting 50mm dia. ball type foot valve having C.I. body lined from inside with FRP and synthetic rubber coated (reinforced)/Nitrile Rubber ball, leaded fin bronze (IS:318) FRP sheet, carbon steel (IS:1363 class 4) fastners, C.I./M.S.Stainer Complete	1,564.00	Each
14089 Chapter 0 16-6-34	Supplying and erecting 65mm dia. ball type foot valve having C.I. body lined from inside with FRP and synthetic rubber coated (reinforced)/ Nitrile Rubber ball, leaded fin bronze (IS:318) FRP sheet, carbon steel (IS:1363 class 4) fastners, C.I./M.S.Stainer Complete	2,262.00	Each

Specification:

Rate Card PMC

Effective Date 01/04/2018

Chapter Name Miscellaneous (MSC)

		Rate In (Rs)	
Item Description		Rate	Unit
Chapter 17-1 Rewinding			
14089	Chapter 17-1-1 Rewinding the motor of table / pedestal / wall bracket / cabin fans of all type and makes including minor repairs lubricating of ball bearings & bush bearing, and replacing condensor, screws etc.&testing for original speed and consumption with guarantee for 1 year including transportation from site and back	467.00	Per Job
14089	Chapter 17-1-2 Rewinding the motor of the ceiling fan 900mm of all types and makes and over hauling including minor repairs lubricating of ball bearings & bush bearing, and replacing condensor, screws etc.& testing for original speed and consumption with guarantee for one year.	495.00	Each
14089	Chapter 17-1-3 Rewinding the motor of the ceiling fan 1200 mm / 1400 mm of all types and makes and over hauling including minor repairs lubricating of ball bearings & bush bearing, and replacing condensor, screws etc. & testing for original speed and consumption with guarantee for one year.	510.00	Each
14089	Chapter 17-1-4 Rewinding the motor of the Exhaust fan 900 / 1400 RPM 300 mm of all types and makes and over hauling including minor repairs, lubricating of ball bearings & bush bearing, and replacing condensor, screws etc. & testing for original speed and consumption with guarantee for one year	524.00	Each
14089	Chapter 17-1-5 Rewinding the motor of the Exhaust fan 900/1400 RPM 375 mm of all types and makes and over hauling including minor repairs, lubricating of ball bearings & bush bearing, and replacing screws etc. & testing for original speed and consumption with guarantee for one year	602.00	Each
14089	Chapter 17-1-6 Rewinding the motor of the Exhaust fan 900/1400 RPM 450 mm of all types and makes and over hauling including minor repairs, lubricating of ball bearings & bush bearing, and replacing condensor, screws etc. & testing for original speed and consumption with guarantee for one year	839.00	Each
14089	Chapter 17-1-7 Rewinding of electric motor upto 1H.P. single phase upto 1400 RPM of all types and makes with copper wire, overhauling with minor repairs, lubricating of ball bearings & bush bearing, and replacing condensor, screws etc. testing for the original speed and no load consumption with guarantee for one year.	1,053.00	Each
14089	Chapter 17-1-8 Rewinding of electric motor upto 1H.P. three phase upto 1400 RPM of all types and makes with copper wire, overhauling with minor repairs, lubricating of ball bearings & bush bearing, and	1,342.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
consumption with guarantee for one year			
14090 Chapter 7 17-1-17	Rewinding of submersible pump motor in Borewell of all types and makes upto and including 5 HP with coated copper wires & overhauling with minor repairs, lubricating of ball bearings & bush bearing, and replacing screws etc. testing for the original speed, H.P. and no load consumption & guarantee for one year.	1,467.00	HP
14090 Chapter 8 17-1-18	Rewinding of submersible pump motor in Borewell of all types and makes above 5 H.P. upto 25 H.P with coated copper wires & overhauling with minor repairs, lubricating of ball bearings & bush bearing, and replacing screws etc. testing for the original speed, H.P. and no load consumption & guarantee for one year.	1,667.00	HP
14090 Chapter 9 17-1-19	Rewinding of electric motor upto 25 H.P. three phase upto 1400 RPM of all types and makes with copper wire, overhauling with minor repairs, lubricating of ball bearings & bush bearing, and replacing screws etc. testing for the original speed and no load consumption with guarantee for one year	9,162.00	Each
14091 Chapter 0 17-1-20	Rewinding of electric motor upto 30 H.P. three phase upto 1400 RPM of all types and makes with copper wire, overhauling with minor repairs, lubricating of ball bearings & bush bearing, and replacing screws etc. testing for the original speed and no load consumption with guarantee for one year	10,921.00	Each
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Chapter 17-2 Replacement			
14091 Chapter 1 17-2-1	Replacing the existing bearing of approved make for electric motor A.C single phase / 3 phase upto 1 H.P. of all types with due alignment of the shaft and tested.	289.00	Each
14091 Chapter 2 17-2-2	Replacing the existing bearing of approved make for A.C electric motor 3 phase 2 H.P. to 3 H.P. of all types with due alignment of the shaft and tested.	354.00	Each
14091 Chapter 3 17-2-3	Replacing the existing bearing of approved make for electric motor 5 H.P. & 7.5 H.P. of all types with due alignment of the shaft and tested.	533.00	Each
14091 Chapter 4 17-2-4	Replacing the existing bearing of approved make for electric motor 10 H.P. & 12.5 H.P. of all types with due alignment of the shaft and tested.	845.00	Each
14091 Chapter 5 17-2-5	Replacing the existing bearing of approved make for electric motor 15H.P.to 20 H.P. of all types with due alignment of the shaft and tested.	1,439.00	Each
14091 Chapter 6 17-2-6	Replacing the existing ball bearing of table/ cabin/ pedestal/ ceiling/ exhaust fan complete with alignment of shaft & tested.	186.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14091 7	Chapter 17-2-7 Replacing the existing Bush/ rubber, ring, washers of table/ cabin/ pedestal/ ceiling/ exhaust fan complete with alignment of shaft & tested.	87.00	Each
14091 8	Chapter 17-2-8 Replacing the existing bearing of approved make for electric motor of 25 H.P. of all types with due alignment of the shaft and tested.	2,095.00	Each
14091 9	Chapter 17-2-9 Replacing the existing bearing of approved make for electric motor of 30 H.P. of all types with due alignment of the shaft and tested.	2,255.00	Each
Chapter 17-3 Accessories			
14092 0	Chapter 17-3-1 Filtration of Transformer oil on site till satisfactory test results.	22.00	litre
14092 1	Chapter 17-3-2 Supplying and topping up filtered transformer oil of approved make with test certificate.	132.00	litre
14092 2	Chapter 17-3-3 Supplying and erecting No-Volt-Coil similar to L&T make for motor having DOL starters of MK-1 Type upto 7.5 H.P.	236.00	Each
14092 3	Chapter 17-3-4 Supplying and erecting No-Volt-Coil similar to L&T make for motor having DOL starters of MU-1 Type from 7.5 H.P. to 10 H.P.	463.00	Each
14092 4	Chapter 17-3-5 Supplying and erecting No-Volt-Coil similar to L&T make for motor having Star-Delta Starter of type MK-1/MU for 12.5 H.P. to 15 H.P. motor.	446.00	Each
14092 5	Chapter 17-3-6 Supplying and erecting No-Volt-Coil similar to L&T make for motor having Star-Delta Starter of type ML-1.5 for 15 H.P. to 25 H.P. motor.	565.00	Each
14092 6	Chapter 17-3-7 Supplying and erecting No-Volt-Coil similar to L&T make for motor having Star-Delta Starter of type MU for 20 H.P. to 30 H.P. motor.	463.00	Each
14092 7	Chapter 17-3-8 Supplying and erecting No-Volt-Coil similar to L&T make for motor having Star-Delta Starter of type ML-2 for 25 H.P. to 35 H.P. motor.	899.00	Each
14092 8	Chapter 17-3-9 Supplying and erecting No-Volt-Coil similar to L&T make of type MNX for 30 H.P. to 90 H.P. motor	1,215.00	Each
14092 9	Chapter 17-3-10 Supplying and erecting No-Volt-Coil similar to L&T make of type MNX for 90 H.P. to 125 H.P. motor	2,045.00	Each
14093 0	Chapter 17-3-11 Supplying and erecting thermal Overload Relay similar to L&T make for MU motor starter suitable for up to 12.5 HP	1,184.00	Each
14093 1	Chapter 17-3-12 Supplying and erecting thermal Overload Relay similar to L&T make for MK 1 motor starter suitable for up to 15 HP	765.00	Each
14093 2	Chapter 17-3-13 Supplying and erecting thermal over load relay similar to L&T make MN-2 for motor starter 10 H.P. to 17.5 H.P.	1,003.00	Each

			Rate In (Rs)		
Item Description			Rate	Unit	
14093	Chapter 3	17-3-14	Supplying and erecting thermal over load relay similar to L&T make MN-2 for motor starter 20 H.P. to 25 H.P.	1,148.00	Each
14093	Chapter 4	17-3-15	Supplying and erecting thermal over load relay similar to L&T make MN2 for motor starter 30 H.P to 35 H.P.	1,614.00	Each
14093	Chapter 5	17-3-16	Supplying and erecting thermal over load relay similar to L&T make MN-5 for motor starter 40 H.P. to 50 H.P.	2,092.00	Each
14093	Chapter 6	17-3-17	Supplying and erecting thermal over load relay similar to L&T make MN-5 for motor starter 60 H.P. to 90 H.P.	2,729.00	Each
14093	Chapter 7	17-3-18	Supplying and erecting thermal over load relay similar to L&T make MN-5 for motor starter from 100 H.P. to 125 H.P.	3,124.00	Each
14093	Chapter 8	17-3-19	Supplying & erecting similar to L&T make timer for MK-1 (For STAR/DELTA) motor starter upto 12.5 H.P.	561.00	Each
14093	Chapter 9	17-3-20	Supplying & erecting L&T make Timer with Combination Coil for ML-2 motor starter suitable from 15 H.P to 30 H.P.	1,705.00	Each
14094	Chapter 0	17-3-21	Supplying & erecting Electronic timer ST 100 similar to L&T make above 30 H.P.	1,165.00	Each
14094	Chapter 1	17-3-22	Supplying & erecting contactor MK-1 similar to L&T make for DOL motor starter from 7.5 H.P. to 10 H.P.	962.00	Each
14094	Chapter 2	17-3-23	Supplying & erecting contactor MU-1 similar to L&T make for DOL motor starter from 7.5 H.P. to 10 H.P.	1,461.00	Each
14094	Chapter 3	17-3-24	Supplying & erecting contactor MU-1H similar to L&T make for DOL motor starter from 7.5 H.P. to 10 H.P.	1,588.00	Each
14094	Chapter 4	17-3-25	Supplying & erecting contactor similar to L&T make for MK-2 Star Delts motor starter from 12.5 H.P. to 15 H.P.	971.00	Each
14094	Chapter 5	17-3-26	Supplying & erecting contactor similar to L&T make MU-2 Type for motor starter suitable from 12.5 H.P to 20 H.P.	1,950.00	Each
14094	Chapter 6	17-3-27	Supplying & erecting contactor similar to L&T make for ML-1.5 Star Delts motor starter from 15 H.P. to 25 H.P.	2,117.00	Each
14094	Chapter 7	17-3-28	Supplying & erecting contactor similar to L&T make for ML-2 Star Delts motor starter from 25 H.P. to 30 H.P.	3,839.00	Each
14094	Chapter 8	17-3-29	Supplying and erecting contactor similar to L&T make MU-3 Type for motor starter suitable from 25 H.P. to 30 H.P.	2,330.00	Each
14094	Chapter 9	17-3-30	Supplying and erecting contactor similar to L&T make MNX series for motor starter suitable for above 30 H.P. to 40 H.P.	5,352.00	Each

		Rate In (Rs)	
Item Description		Rate	Unit
14095 Chapter 0 17-3-31	Supplying and erecting contactor similar to L&T make MNX series for motor starter suitable for above 45 H.P. to 50 H.P.	7,044.00	Each
14095 Chapter 1 17-3-32	Supplying and erecting contactor similar to L&T make MNX series for motor starter suitable from 55 HP to 60 HP.	8,854.00	Each
14095 Chapter 2 17-3-33	Supplying and erecting contactor similar to L&T make MNX series for motor starter suitable for 75 H.P. to 90 H.P.	14,049.00	Each
14095 Chapter 3 17-3-34	Supplying and erecting contactor similar to L&T make MNX series for motor starter suitable for 100 H.P. to 125 H.P.	18,593.00	Each
14095 Chapter 4 17-3-35	Dismantling the existing ceiling fan of various sizes and replacing the bolt and nuts at reel insulator and at bottom of the down rod with half threaded bolt of 3/8" dia 2-1/2" to 3-1/2" long and 5/16" dia 1-3/4" to 2-1/4" long respectively required sizes with 2 plate washers with oiling, greasing and painting the date of repair and re-erecting at position.	128.00	Each
14095 Chapter 5 17-3-36	Replacing suitable capacity motor of water pump of air cooler of any capacity and type in lieu of old one.	487.00	Each
14095 Chapter 6 17-3-37	Checking the existing Indoor faulty fitting, finding the fault, repairing by provided necessary material, if any, and putting into beneficial use with necessary Tools & Tackles.	39.00	Each
14095 Chapter 7 17-3-38	Checking the existing outdoor faulty fitting, finding the fault, repairing by provided necessary material, if any, and putting into beneficial use with necessary Tools & Tackles.	77.00	Each

Specification:

Rate Card PMC

Effective Date 01/04/2018

Chapter Name Dismantled Materials

Rate In (Rs)

Item Description		Rate	Unit
Chapter 18-1 Dismantled Items			
14100	Chapter 18-1-1 PVC arm/unarm. cable & wire (Allum)	13.00	kg
3			
14100	Chapter 18-1-2 PVC arm/unarm. cable & wire (Copper)	62.00	kg
4			
14100	Chapter 18-1-3 Allum. Metallic Materials	69.00	kg
5			
14100	Chapter 18-1-4 HG / M.S / G.I. Metallic Materials / Pole etc.	17.00	kg
6			
14100	Chapter 18-1-5 Copper / Brass materials	223.00	kg
7			
14100	Chapter 18-1-6 Wooden Materials	4.00	kg
8			
14100	Chapter 18-1-7 PVC Pipe / PVC Materials	7.00	kg
9			
14101	Chapter 18-1-8 Paper Cartoons & Paper Boxes.	6.00	kg
0			
14101	Chapter 18-1-9 I.C. Switches / M.C. Switches / D.P. / D.B./ T.P. / feeder pillar etc.	16.00	kg
1			
14101	Chapter All types of Meters.(Ammeter / Voltmeter etc..)	22.00	kg
2	18-1-10		
14101	Chapter All types of O.C.B./ A.C.B / V.C.B	1,400.00	Each
3	18-1-11		
14101	Chapter All types of ceiling fan, cabin fan, Bracket fan, pedestal fan and	150.00	Each
4	18-1-12	table fan.	
14101	Chapter All types of Air circulator and pedestal type Air circulator	600.00	Each
5	18-1-13		
14101	Chapter All types of Fluo. Tube Fitting	14.00	Each
6	18-1-14		
14101	Chapter All types of M.V. / M.H. Fitting / S.V. Fitting	55.00	Each
7	18-1-15		
14101	Chapter All types of Geyser up to 6 KW	100.00	Each
8	18-1-16		

			Rate In (Rs)	
Item Description			Rate	Unit
14101	Chapter 9	All types of accessories such as Tube starter / Bell / Holder/ Ceiling Rose / MCB etc.	15.00	kg
14102	Chapter 0	All types of Chokes / condenser / small coils / motor starter etc.	33.00	kg
14102	Chapter 1	Lift Ropes / Belt types / Appliances & equipments	17.00	kg
14102	Chapter 2	All types of Hot water Boilers	283.00	Each
14102	Chapter 3	All types of Electric motor	367.00	HP
14102	Chapter 4	All types of Water pump set.	383.00	HP
14102	Chapter 5	All types of A.C compressor	450.00	TR
14102	Chapter 6	All types of A.C. unit.(Window)	1,700.00	TR
14102	Chapter 7	All types of A.C. unit.(Split)	1,733.00	TR
14102	Chapter 8	All types of Indoor unit of split A.C.	600.00	Each
14102	Chapter 9	Copper piping of A.C.	257.00	kg
14103	Chapter 0	Water cooler instant type	617.00	Each
14103	Chapter 1	Water cooler storage type	27.00	litre
14103	Chapter 2	Refrigerator up to 165 ltr.	633.00	Each
14103	Chapter 3	Refrigerator above 165 ltr.	1,067.00	Each
14103	Chapter 4	Exhaust fan 9" sweep.	98.00	Each
14103	Chapter 5	Exhaust fan 12" sweep	145.00	Each

			Rate In (Rs)	
Item Description			Rate	Unit
14103	Chapter 6 18-1-34	Exhaust fan 15" sweep.	213.00	Each
14103	Chapter 7 18-1-35	Exhaust fan 18" sweep	283.00	Each
14103	Chapter 8 18-1-36	Exhaust fan 24" sweep.	367.00	Each
14103	Chapter 9 18-1-37	Air cooler of any size(Without Fan)	450.00	Each
14104	Chapter 0 18-1-38	Air cooler of any size(With Fan)	700.00	Each
14104	Chapter 1 18-1-39	Transformer Oil	8.00	litre
14104	Chapter 2 18-1-40	D.G. Set.	617.00	kVA
14104	Chapter 3 18-1-41	Transformer	67.00	kVA
14104	Chapter 4 18-1-42	Telephone Exchange (EPABX)	800.00	Each
14104	Chapter 5 18-1-43	Telephone instrument	30.00	Each
14104	Chapter 6 18-1-44	Water Purifier	60.00	Each
14104	Chapter 7 18-1-45	Inverter / UPS	57.00	kVA
14104	Chapter 8 18-1-46	Voltage Stabilizer	70.00	kVA
14104	Chapter 9 18-1-47	Amplifier	300.00	Each
14105	Chapter 0 18-1-48	Mikes	35.00	Each
14105	Chapter 1 18-1-49	Storage type water Purifier	78.00	Each
14105	Chapter 2 18-1-50	Tubular Battery	48.00	kg

Specification:

Chapter Name Traffic

		Rate In (Rs)	
Item Description		Rate	Unit
Chapter 19-1	Supply of traffic signal pole assembly complete with 100mm inner dia. G.I. Pipe (B'class) including providing M.S. base plate of size 200 mm x200mm x 10 mm thick welded with bottom of the pole flanged FRP cap at top the pole painted with 2 coat		
14107 Chapter 19-1-1	6.00 m long pole	5,500.00	Per No
5			
14107 Chapter 19-1-2	9 m long candilever pole (Including parabolic arm 5 m long)	12,000.00	Per No
6			
14107 Chapter 19-1-3	11 m long candilever pole (Including "L" type arm 3 m long)	14,000.00	Per No
7			
Chapter 19-2	Supply of 300mm dia. Polycarbonate lamp head assembly unit completely transperent polycarbonate lense & HDPE visor to avoid sunphantum effect		
14107 Chapter 19-2-1	Polycarbonate lamp head Housing	2,000.00	Per No
8			
14107 Chapter 19-2-2	Retrofit Red LED (Vehicular) light output 265 cd & power 10w.	3,000.00	Per No
9			
14108 Chapter 19-2-3	Retrofit Amber LED (Vehicular) light output 385 cd & power 10w.	3,000.00	Per No
0			
14108 Chapter 19-2-4	Retrofit Green LED (Vehicular) light output 105 cd & power 4w.	3,500.00	Per No
1			
14108 Chapter 19-2-5	Retrofit Red LED (Pedstrian) light output 105 cd & power 4w	3,000.00	Per No
2			
14108 Chapter 19-2-6	Retrofit Green LED (Pedstrian) light output 105 cd & power 4w	3,400.00	Per No
3			
14108 Chapter 19-2-7	Retrofit Red / Green / Amber (BRT LETTERS) light output 105 cd & power 4w	3,400.00	Per No
4			
14108 Chapter 19-3	Supply of advanced 32 bit microprocessor GPS based RF-WIRELESS automatic traffic signal controller housed in M.S. SWG fribrication wether proof, vandel proof, dust and splash proof M.steel 16 gauge cabinatepassivated and painted with appropriate colour, separate access for police control incoporating for special features 16 signal groups and capable to directly communicate with higher form of traffic control systems such as cordinated with adjacent controller with interface to INTERNET via GPRS for REMOTE MONITORING & CONTROL through web interface.	60,000.00	Per No
5			

		Rate In (Rs)	
Item Description		Rate	Unit
14108 Chapter 19-4 6	Supply of ATCS controller compatible with CDAC Technology with GPS , Key board , CPU card and power supply , vehicle actuated , microprocessor & GPS based automatic traffic signals controller including providing and fixing of cabinejunction box for power supply termination and other accessories like 1 no. of cabinet , power supply LCD display , key board , CPU card , DO card , Di card , 12 channel , inductive loop detector , router , ethernet convertor , 8 port switch , lamp card driver (AC or DC) , detector interface card , earth connection to electrode earth station etc. As per specification with the Un inturptable power back up for 2 hours for total junction traffic signal system	1,25,000.00	Per No
14108 Chapter 19-5 7	Installing the controller on C.C. 1:2:4 pedestial, 60 cm above G.L. of suitable size, testing & commissioning with any number of phases including providing earth station as per I.S. rules etc. complete - 32 bit microprocessor controller	5,000.00	Per No
14108 Chapter 19-6 8	Installing the controller on C.C. 1:2:4 pedestial, 60 cm above G.L. of suitable size, testing & commissioning with any number of phases including providing earth station as per I.S. rules etc. complete - ATCS controller	6,500.00	Per No
14108 Chapter 19-7 9	Supply of microprocessor based node controller to be installed on each pole housed in MS SWG fabrication weather proof, vadal proof , dust & splash proof M. Steel 16 gauge cabinet passivated & painted with appropriate colour, with solid state output	7,000.00	Per No
14109 Chapter 19-8 0	Providing & Fixing junction box on street light pole for cable connection including looping, taking cable through G.I. Pipe upto junction box from ground level etc. complete A) M S Junction Box	900.00	Per No
14109 Chapter 19-9 1	Providing & fixing M.S. 16 Gauge junction box with removable base plate with wooden plank inside for single /3 phase M.S.E.B. service connection with main swithes distribution board indicators with necessary fixing accessories including providing proper earthing	6,000.00	Per No
14109 Chapter 19-10 2	Providing & fixing M.S. 16 Gauge junction box with removable base plate with wooden plank inside for single /3 phase M.S.E.B. service connection with main swithes distribution board indicators with necessary fixing accessories including providing proper earthing with M.S.E.B. meter	3,000.00	Per No
14109 Chapter 19-11 3	Erection of traffic signal pole in 60 cm x 60 cm x 1.20 m deep pit with 1:1:5:3 cement, concrete & providing coping jof 30 cm. dia in C.C., plastering, finishing, curing. (Normal Pole)	3,000.00	Per No

		Rate In (Rs)	
Item Description		Rate	Unit
14109 Chapter 19-12 4	Erection of traffic signal pole in 60 cm x 60 cm x 1.20 m deep pit with 1:1:5:3 cement, concrete & providing coping jof 30 cm. dia in C.C., plastering, finishing, curing. (Cantiliver Pole)	4,000.00	Per No
14109 Chapter 19-13 5	Local earthing of signal/ street light pole when used as traffic signal pole with 10 m length of 10 swg G.I. wire loop being kept at minimum of 2 m belowG.L. etc. complete as per IS rules.	350.00	Per No
	Chapter 19-14 Painting of signal pole with 2 coats of synthetic enamel paint of approved colour.		
14109 Chapter 19-14-1 6	Painting of Normal pole	300.00	Per No
14109 Chapter 19-14-2 7	Painting of cantilever pole-9mtr long	1,000.00	Per No
14109 Chapter 19-14-3 8	Painting of cantilever pole-11mtr long	1,300.00	Per No
14109 Chapter 19-15 9	Supply & Installation, commissioning 2 ½ digit signal balance time indicator / countdown times with red – amber and green phase timing in seconds with super bright having red and green LED's (total 480 Nos.) to show respective colour displays according to red/Green time interval in process with font size of minimum 115 x 260 mm height alternate "STOP" alphabetical message and numeric message of count in red interval and 'GO' alphabetical message and numerical count alternate in green colour in green interval and dash in message in amber interval having 250 CD luminous output with clear transparent acrylic in front side of MS 18 SWG box size 24" x 18" along with suitable length sun visor also water and dust, weather proof (IP 65) etc. complete interface with any make traffic signal controller, with 5cx0.5mm ² wiring up to Junction box the countdown timer has to work on 3 lamp cores only and no separate core will be provided for giving supply to countdown timer. It shall compile with suitable hardware & Software.	8,000.00	Per No
14110 Chapter 19-16 0	Mounting of single Lamphheads of any type	150.00	Per No
14110 Chapter 19-17 1	supply of Blinker controlkler all solid state complete with metallic box water proof & dust proof painted with synthetic enamel paint of approved colour, self locking & outer locking arrangement with lock & keys in duplicate having frquency contro	2,000.00	Per No
14110 Chapter 19-18 2	Installing testing & commisioning of the above	1,500.00	Per No

		Rate In (Rs)	
Item Description		Rate	Unit
Chapter 19-19	Supply of low maintenance tabular battery EXIDE make with necessary connectors, links terminals etc. as per IS 1651:1991.		
14110 Chapter 3	12 volts DC 66 AH	7,000.00	Per No
Chapter 19-20	Supply of photo voltaic solar panels of		
14110 Chapter 4	12 Volts DC 50 W	6,000.00	Per No
14110 Chapter 5	12 Volts DC 70 W	8,000.00	Per No
14110 Chapter 6	Battery charger charging unit with Battery overcharge protection, battery deep discharge protection, reverse polarity protection, charging on (Green) & battery 10W (Red) indication, reverse current protection and it should be able to handle 5 Amp of current	2,000.00	Per No
14110 Chapter 7	Supply and erection at site of ATS, elevated slanting structure for mounting frame should be of M.S angles of size 30 mm X 30 mm X 5 mm	1,500.00	Per No
14110 Chapter 8	Supply & Fixing of jointing kit	1,500.00	Per No
14110 Chapter 9	Removal of 6 mtr. signal pole with foundation	1,500.00	Per No
14111 Chapter 10	Removal of Cantilever Pole with foundation	1,500.00	Per No
14111 Chapter 11	Removal of Lamphead for normal pole 1) Single Aspect	150.00	Per No
14111 Chapter 12	Removal of LH for Cantilever pole 1) Single Aspect	150.00	Per No
14111 Chapter 13	Removal of old cable safety 3,4,6 & 14 Core	150.00	Per No
14111 Chapter 14	Plastic unbreakable polycarbonate signal lens any colour for 300 mm dia lamphead	350.00	Per No
14111 Chapter 15	M.S.Box for controller	2,500.00	Per No
14111 Chapter 16	Shed for main controller	1,500.00	Per No
14111 Chapter 19-32	Door for main controller	2,000.00	Per No

		Rate In (Rs)	
Item Description	Rate	Unit	
7			
14111 Chapter 19-33	Rewiring of controller	4,000.00	Per No
8			
14111 Chapter 19-34	Providing & fixing or replace CPU /Mother board card for microprocessor controller	8,000.00	Per No
9			
14112 Chapter 19-35	Providing & fixing or replace LDS/Driver/RTC card for microprocessor controller	6,500.00	Per No
0			
14112 Chapter 19-36	Providing & fixing or replace Power supply unit / SMPS Card for microprocessor controller	2,500.00	Per No
1			
14112 Chapter 19-37	Providing & fixing or replace Glass fuse 3A / 4A	100.00	Per No
2			
14112 Chapter 19-38	Controller lock	250.00	Per No
3			
14112 Chapter 19-39	30 A main switch with indication lamp with anchor make	400.00	Per No
4			
14112 Chapter 19-40	Replace hood for 300 mm dia size polycarbonate make lamphead	350.00	Per No
5			
14112 Chapter 19-41	Pole clamp with hardware	250.00	Per No
6			
14112 Chapter 19-42	Annual maintenance of signals with programming ,spare parts for controller, coordination with police, MSEB, digging permission authority (without necessary deposits)	1,800.00	per month
7			
14112 Chapter 19-43	Providing & operating 4 wheeler including GPS tracking, fuel, driving arrangement & maintenance for 4 wheeler (Maurti ECHO or equivalent) with wooden ladder & necessary safety devices tools, helmets & trackels with one engineer , one technician, 2 helpers with necessary licenses (if required) & electronics tools such as multimeter, meger, solidering iron, hand tools etc.	75,000.00	per month
8			
14112 Chapter 19-44	Providing & operating 4 wheeler including GPS tracking, fuel, driving arrangement & maintenance for 4 wheeler (Maurti Ertiga or equivalent) for PMC staff movement	30,000.00	per month
9			
14113 Chapter 19-45	supply and laying of multicore aFlexible copper conductor, PVC insulated and sheathed, ISI wire of 0.5 sq mm A) 3core wire Make: Polycab, Finolex, Diamond and Havells	39.00	Meter
0			
14113 Chapter 19-46	supply and laying of multicore aFlexible copper conductor, PVC insulated and sheathed, ISI wire of 0.5 sq mm A) 6 core wire Make: Polycab, Finolex, Diamond and Havells	80.00	Meter
1			

			Rate In (Rs)	
Item Description			Rate	Unit
14113 Chapter 19-47 2	supply and laying of multicore aFlexible copper conductor, PVC insulated and sheathed, ISI wire of 0.5 sq mm A) 14 core wire Make: Polycab, Finolex, Diamond and Havells		130.00	Meter
	Chapter 19-48 supplying and laying of multicore armoured solid core copper conductor, PVC insulated & sheated, cable of 1.5 sq.mm - ISI mark			
14113 Chapter 3 19-48-1	4 Core		90.00	Rmt
14113 Chapter 4 19-48-2	7 Core		150.00	Rmt
14113 Chapter 5 19-48-3	14 Core		225.00	Rmt
	Chapter 19-49 supplying and laying of multicore unarmoured flexible copper conductor, PVC insulated & sheated, cable of 1.5 sq.mm for overhead			
14113 Chapter 6 19-49-1	4 Core		38.00	Rmt
14113 Chapter 7 19-49-2	7 Core		75.00	Rmt
14113 Chapter 8 19-49-3	14 Core		90.00	Rmt
14113 Chapter 19-50 9	Supply & Installation of 32-bit advance microprocessor controller with GPS and GPRS facility to connect with web server for monitoring signals remotely for access by police and municipal staff by retrofitting arrangement of existing signal controller, testing, commission all complete with web connectivity including daily reports generation with 3 years' warranty on any manufacturing defects including capital sim card monthly charges of one year housed in IP 65 protected engineering plastic enclosures and hand held remote controller for putting signal on manual mode for policeman.		35,000.00	Per No

Specification:

Rate Card

PMC

Effective Date 01/04/2018**Chapter Name** Supply Of Feeder Pillars

		Rate In (Rs)	
Item Description		Rate	Unit
Chapter 20-1 SUPPLY OF FEEDER PILLERS (LT)			
14114	Chapter 20-1-1 4 Way F.P. with / 800 Amp ACB 0	65,000.00	per no
14114	Chapter 20-1-2 6 Way F.P. with / 1000 Amp ACB 1	76,000.00	per no
14114	Chapter 20-1-3 6 Way F.P. without CB split type 2	34,000.00	per no
14114	Chapter 20-1-4 4 Way F.P. 3	22,000.00	per no
14114	Chapter 20-1-5 4 Way F.P. With MCCB 400 Amp 4	47,000.00	per no
14114	Chapter 20-1-6 Mini F.P. 5	10,000.00	per no
14114	Chapter 20-1-7 L.T. Bus bar 63 Amp 6	1,400.00	per no
Chapter 20-2 SUPPLY OF FEEDER PILLERS (HT)			
14114	Chapter 20-2-1 4 Way 11 KV F.P. 7	36,000.00	per no
14114	Chapter 20-2-2 4 Way 22 KV F.P. 8	67,000.00	per no
Chapter 20-3 Erection of feeder pillar with Concreting etc complete. Earthing extra			
14114	Chapter 20-3-1 Erection of LT mini F.P. upto 100 KVA / LT 3way F.P./O.B. by 9 concerting etc complete. Earthing extra	750.00	per no
14115	Chapter 20-3-2 Erection of LT 4 way FP upto 200 KVA D.B. by concreting etc 0 complete. Earthing extra	900.00	per no
14115	Chapter 20-3-3 Erection of LT 6way / 8way pillar D.B. by concreting etc complete. 1 Earthing extra	1,125.00	per no
14115	Chapter 20-4 Erection of HT 11 kY 4Way F.P.by concreting etc complete. Earthing 2 extra	1,200.00	Per Job
14115	Chapter 20-5 Erection of HT 22 k.v. F.P. by concreting etc complete. Earthing 3 extra	1,650.00	Per Job

Specification:

Rate Card PMC

Effective Date 01/04/2018

Chapter Name Pole Numbering

		Rate In (Rs)	
Item Description		Rate	Unit
14115 Chapter 21-1 4	Pole numbering - Pole identifying and numbering with stainless steel tag plate embossed. Characters of 4 mm font size embossed with computerized embossing machine and fixing with bright annealed stainless clamp, tightened with machine and ear lock buckle. Material - Stainless steel tag plate SS 304 and bright annealed stainless clamp SS 304 Plate Size - Length 90mm +/- 5%, width - 19 mm +/- 5%, thickness 0.38 mm Clamp size - Length as per requirement, width 9mm +/-5%. Thickness 10 .38 mm. Above job included survey of poles and preparing report	150.00	Per No

Specification:

Rate Card PMC

Effective Date 01/04/2018

Chapter Name LED Fitting Maintenance

		Rate In (Rs)	
Item Description		Rate	Unit
Chapter 22-1 LED Driver			
14115	Chapter 22-1-1 45 W 5	975.00	per no
14115	Chapter 22-1-2 65 W 6	1,100.00	per no
14115	Chapter 22-1-3 90 W 7	1,200.00	per no
Chapter 22-2 LED Circuit Board			
14115	Chapter 22-2-1 45 W 8	1,850.00	per no
14115	Chapter 22-2-2 65 W 9	2,550.00	per no
14116	Chapter 22-2-3 90 W 0	3,560.00	per no

Specification:

Chapter Name Pole Maintainance

		Rate In (Rs)	
Item Description		Rate	Unit
14527 Chapter 23-1 8	Street Light fitting repair - A Testing of street light fitting, replacement of faulty accessories, doing fitting connections as before and testing and starting of fitting of fitting. Spares will be provided by PMC or removing of street light fitting safely & handling over all the accessories to PMC.	150.00	per no
14527 Chapter 23-2 9	Transporting pole from one place to other as per instructions.	150.00	per no
14528 Chapter 23-3 0	Disconnecting cable / service wore, removing of junction box and fitting with bracket safely on ground. Cutting of pole from base with the help of gas cutter – 2A, Cleaning of Site.	225.00	per no
14528 Chapter 23-4 1	For 7m / 8m Pole: - Disconnecting cable / service wore, removing of junction box and fitting with bracket safely on ground and removal of pole.	375.00	per no
14528 Chapter 23-5 2	For 9m / 10m Pole: - Disconnecting cable / service wore, removing of junction box and fitting with bracket safely on ground and removal of pole.	450.00	per no
14528 Chapter 23-6 3	Pole Painting (6m/ 7m / 8m Pole): - Painting of pole, bracket, pole cap, clamps etc. with two layers of red oxide & silver aluminium paint. Painting of bracket before fixing on pole & giving pole number as per instructions of Officer.	113.00	per no
14528 Chapter 23-7 4	Pole Erection & Concreting: - For 6m / 7m pole excavation in soft soil & murum of size 60 cm x 60cm x 1.25m (In this doing foundation using 0.5 Cum mixture of cement, sand & Metal in 1:3:6 proportion etc. complete. Doing excavation using compressor if required & Cleaning of site.	1,125.00	per no
14630 Chapter 23-8 6	Supplying and erecting of 7m swaged welded medium class material steel tubular pole having best quality surface finishing and ISI mark on pole pipe. Planting depth to be measured from road level Pole technical specifications are mentioned below. Baseplate mentioned in the specifications to be welded at the pole base. Note: 1) Tolerance per pole-+/-7.5%, for pole lot 5% 2) Poe inspection and Weight measurement would be done at the site or at the manufacturing company. Charges to be beared by the contractor. Is specifications 2713 (Part II) 1980 -410 Sp-2 Diameter and thickness (114.3X 4.5), (88.9X4.05) (73.1X3.25) mm sectional length - (4+1.5+1.5) m MS baseplate size(250x250x5) mm. pole weight 73 kg, Baseplate weight 2.65 kg. Cable entry hole distance as per requirement or	5,686.00	Per Pole

Item Description	Rate In (Rs)	
	Rate	Unit

instructions. Pole depth frem ground 1.25m.
Earth stud: Earth stud 5/8" mm diameter bolt welded to pole with required size nut and double GI/MS washers
Paint: Red oxide paint as primer, bituminous paint, Aluminium paint or any other paint as per instructions of engineer in charge.
Two coats of red oxide paint and one coat of bituminous paint before erection for 1.25 length which is to be buried in ground and after erection remaining portion to be painted by two coats of aluminium paint. The pole shall be erected in provided pit with cement concrete foundation and making in perfect plumb.

Specification:

Rate Card PMC

Effective Date 01/04/2018

Chapter Name CCTV

		Rate In (Rs)	
Item Description		Rate	Unit
14839 Chapter 24-1 6	Supply, Installation, Testing & Commissioning of IP Nightvision 2 MP Dome Fixed lens Camera:1/3" Progressive CMOS, ICR, 0.1lux/F1.2, 3.6mm/F2.0 lens, dual-stream, IP66, DC12V & PoE, DWDR, 3D DNR, BLC, IR range: up to 30m, Bracket included. Make- Hikvision, CP Plus, Hifocus, Matrix, Active Pixel,, Uniview, Dahua, Digisol, TVT	3,760.00	per no
14839 Chapter 24-2 7	Supply, Installation, Testing & Commissioning of IP Nightvision 2 MP Bullet Fixed lens Camera:1/3" Progressive CMOS, ICR, 0.1lux/F1.2, 3.6mm/F2.0 lens, dual-stream, IP66, DC12V & PoE, DWDR, 3D DNR, BLC, IR range: up to 30m, Bracket included. Make- Hikvision, CP Plus, Hifocus, Matrix, Active Pixel, Uniview, Dahua, Digisol, TVT	3,920.00	per no
Chapter 24-3	Comprehensive Annual Maintenance Charges for CCTV system (Rate includes Visit Charges, Service Charges, Repairs Charges & Maintenance Charges of the CCTV System Components) Includes following:1. Total 12 Monthly Visits per year for System Health Checkup 2. Assisting for Footage as per written instructions from Authorities 3. Repairs/Replacement of faulty System components 4. Attending Service calls immediately for faults occurred Installed Brand Service Support Authorization required		
14839 Chapter 24-3-1 8	CCTV Camera- Dome/Bullet up to 5 Megapixels	8,850.00	per no
14839 Chapter 24-3-2 9	CCTV Video Recorder- 4/8 Channels	3,540.00	per no
14840 Chapter 24-3-3 0	CCTV Video Recorder- 16/32 Channels	9,912.00	per no
14840 Chapter 24-3-4 1	CCTV Hard Disk- 2/4 TB	3,540.00	per no
14840 Chapter 24-3-5 2	CCTV Power Supply	295.00	per no
14840 Chapter 24-3-6 3	UPS System with all related electrical accessories	1,416.00	per no
14840 Chapter 24-3-7 4	CCTV Cable- CAT6/2Core with casing/ piping or through trench	24.00	Meter
14840 Chapter 24-3-8 5	CCTV Cable- Optical Fiber with casing/ piping or through trench	41.00	Meter
14840 Chapter 24-3-9 6	LED TV 32 to 40 Inch	8,260.00	per no

		Rate In (Rs)	
Item Description		Rate	Unit
14840 Chapter 7 24-3-10	LED TV 42 to 50 Inch	9,912.00	per no
14840 Chapter 8 24-3-11	Ethernet Switch POE 8 port	2,950.00	per no
14840 Chapter 9 24-3-12	Ethernet Switch POE 24 port	7,080.00	per no
14841 Chapter 0 24-3-13	OFC Converter & Patchcord set	1,180.00	Per Set

Specification: