

# Note

- This is sample template for HRC presentation this may be modified form time to time as per HRC members recommendation.

**PRESENTATION TO HRC COMMITTEE  
FOR  
PROPOSED RESIDENTIAL PROJECT HRB NO By**

Project Address:

**DATE**

# PROJECT TEAM

<b>Project Proponent</b>	
<b>Municipal Architect</b>	
<b>Design Architect</b>	
<b>Structural Consultant</b>	
<b>Geotechnical Consultant</b>	
<b>MEP Consultant</b>	

## PROJECT SUMMARY

<b>Project Name</b>	
<b>Project Proponent</b>	
<b>Project Location</b>	
<b>Type of project</b>	
<b>Approval Received</b>	
<b>Civil Aviation NOC</b>	
<b>EC status</b>	
<b>CFO NOC</b>	
<b>TATA NOC (HT LINE)</b>	
<b>HRC Site visit</b>	
<b>Previous HRC Presentation</b>	
<b>Current Site Status</b>	

## **SITE U/R - GOOGLE IMAGE**

**CFO NOC**

**AAI NOC**

EC certificate with conditions



# FIRE TENDER MOVEMENT



# BLOCK LAYOUT PLAN WITH CONTOURS



# BASEMENT PLAN WITH CIRCULATION



# PODIUM PLAN WITH CIRCULATION



# TYPICAL FLOOR PLAN



# REFUGE FLOOR PLAN



# SCHEMATIC SECTION

# UTILITY PLAN





# **PARKING STATEMENT**

# Structural Information

<b>Total No. of Floors</b>	
<b>Number of Basement Floors With Height</b>	
<b>Ground floor</b>	
<b>Number of podium Floors along with height of floor</b>	
<b>Number of Residential Floors</b>	
<b>Number of Refuge Floors</b>	

# Details of Substructure

No of basements		
Minimum clearance between outermost basement retaining wall and compound wall		
Has a shoring system been installed? Submit sectional detail of the shoring system		
For Tower Area Dead Weight of tower Structure is much more than Hydrostatic Uplift		
Give details of Methodology used to resist uplift pressure due to ground water for Wing portion as well as the portion outside the Wing.	Bottom Level of Raft w.r.t. ground level in mts.	
	Total downward load of self weight of raft + Counter weight over raft	
	Net Uplift force	
	Water level assumed for uplift calculation	
Description of the foundation for the tower block		
Nature of Foundation		
SBC assumed T/sq.mt.		
Sub-grade Elastic Modulus		
If rock anchors are used, are they grouted after installation and stressing?		

# **Index Plan For RCC Typical Floor**

**Index Plan For RCC raft**

# Raft Section

## Details of Super Structure

No. of Floors				
Shape of Building, Plan, Elevation whether Symmetric in Elevation				
Maximum plan dimension in either direction				
Ratio of plan dimension				
Aspect ratio (Height of building till Terrace/ Minimum Dimension of Building)				
Use of floor at different levels (Residential / Commercial / industrial)				
Is there any Transfer level If yes, depth of Transfer Girder				
Whether Expansion joint is provided? If yes, what is the maximum plan dimension in mt.				
Maximum cantilever projection in mt.				
Cross Earthquake load applied				
Cross Wind load applied				

# Earthquake Load Parameters

<b>Zone Factor</b>	
<b>Importance factor</b>	
<b>Response Reduction factor</b>	
<b>Soil Type</b>	
<b>% LL considered in seismic</b>	



# Earthquake Loading Details

<b>Max. plan dimension in either direction</b>				
<b>Ratio of plan dimension</b>				
<b>Aspect ratio (Height of building till Terrace/Minimum Dimension of Bldg )</b>				
<b>Time Period in the horizontal X-direction</b>				
<b>Time Period in the horizontal Y-direction</b>				
<b>Total Seismic weight (Sw) of building (in KN)</b>				
<b>Static Base-shear in X-direction (kN) (as % of Sw)</b>				
<b>Static Base-shear in Y-direction (kN) (as % of Sw)</b>				
<b>Dynamic Base-shear in X-direction (as % of Sw)</b>				
<b>Dynamic Base-shear in Y-direction (as % of Sw)</b>				
<b>Max. deflection at roof level.</b>	(in X-dir)			
	(in Y-dir)			
<b>Scale factor in X-direction</b>				
<b>Scale factor in Y-direction</b>				

# Wind Load Parameters

<u>Wind Loading</u>		
Category of building		
Basic wind speed in m/sec		
Maximum wind pressure	$K_1 =$	
	$K_2 =$	
	$K_3 =$	
	$K_4 =$	

# Wind Loading Details

Maximum wind pressure	$V_z =$				
Force coefficient					
Static base shear in X-direction					
Static base shear in Y-direction					
Gust base shear in X-direction					
Gust base shear in Y-direction					
Gust factor in X-direction	Gx				
	Mode				
	Sec				
Gust factor in Y-direction	Gy				
	Mode				
	Sec				
<b>Vertical Element Data</b>					
a) Size of maximum loaded wall 1					
b) Gravity load on Col./Wall in Kn					
c) Axial stress in max. loaded Column					
d) Grade of max. loaded Column at base					
e) Unfactored Axial settlement in max. loaded wall					
f) Unfactored Axial settlement in min. loaded wall					

## Diaphragm Displacement at Terrace level

Load Case	Dx-max (mm)	H/Dx	Drift-x (%)	DY-ma (mm)	H/DY	Drift-Y (%)
DL						
DL+LL						
EQX						
EQY						
WX						
WY						



## Torsional Irregularity (along X-direction)

Load Case	Corner -1	Corner -2	Corner -3	Corner -4	Avg-X	% = Max/Avg	Max/Min
EQX							
WX							

## Torsional Irregularity (along Y-direction)

Load Case	Corner -1	Corner -2	Corner -3	Corner -4	Avg-X	% = Max/Avg	Max/Min
EQY							
WY							

# Structural Information

<b>Clear cover to the reinforcement</b>				
<b>Sub Structure:</b>				
All Substructure elements				
<b>Super Structure:</b>				
All external columns and peripheral beams & slabs				
All internal columns, beams and floor slabs				
<b>Grade for concrete for structural members :-</b>	Foundation =			
	SL.NO	LEVELS	WALL/COLUMN	BEAMS/SLABS
	1	Foundation to 12 <sup>th</sup> floor		
	2	12 <sup>th</sup> to 26 <sup>th</sup> floor		
Grade of concrete	2	26 <sup>th</sup> to Terrace floor		
Grade of Steel				
Construction sequence and loading parameters				
Wind tunnel test				
Proposed approach to structural analysis				

# **Borehole Location with Tower Footprint**

## **Note:**

- 1) Minimum 3 Nos of borehole per 500 Sqm. Of plot area**
- 2) Maximum distance between 2 borehole is 30m.**



# Site Photographs Before Construction

# Core Log Sheet

# Core-Box Photographs

# Abstract Of Borehole

# Rock Testing Report



## Pressure Contours – (DL + LL Condition)

**Maximum Pressure =**

**Minimum Pressure =**

## Settlement Contours – (DL + LL Condition)

**Maximum Settlement =**

**Minimum Settlement =**



# Pressure Contours – (Wind Condition)

**Maximum Pressure =**

**Minimum Pressure =**

# Settlement Contours – (Wind Condition)

**Maximum Settlement =**

**Minimum Settlement =**

# Pressure Contours – (EARTHQUAKE Condition)

**Maximum Pressure =**

**Minimum Pressure =**

# Settlement Contours – (EARTHQUAKE Condition)

**Maximum Settlement =**

**Minimum Settlement =**

# Hydrostatic Uplift Calculations

# Rock Anchor Details

# SHORING LAYOUT

# SHORE PILE SECTION



Master layout showing plantation and location for STP and Owc

Metigation measures to control dust  
and noise during construction.

Sanitation and drinking water for  
workforce on site

# STP and OWC DETAILS

- Management of excess sewage sludge and composted waste disposal after use at site.
- Availability of sewerage line.
- No. Of years developer will manage STP and OWC

# Rainwater harvesting and storage

# Storm water flow and No. of recharge pits

Traffic flow and setback at entry and exit.

Tree survey and details given by PMC  
Garden dept.



List of plants to planted.

# THANK YOU

- Presentation by  
(Name of the Firm)