



## STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,  
Room No. 217, 2nd floor,  
Mantralaya, Annexe,  
Mumbai- 400 032.  
Date: June 24, 2020

To,  
**M/s Wadhwa Construction & Infrastructures Pvt.Ltd.**  
at The subject property is located in Village Vardoli, Bherle and Bhingarwadi of Panvel Taluka, Raigad, Maharashtra. It falls partly in NAINA area of CIDCO and partly in MMRDA RP boundary. The site is accessed from existing Road of 18M ROW. The geographical coordinates of the site are given below: Latitude: 18°57'27.87"N Longitude: 73°11'30.84"E

**Subject:** Environment Clearance for Proposed Amendment of Environmental Clearance of Integrated Township Project, at Vardoli, Panvel Taluka, Raigad Maharashtra by M/s Wadhwa Construction and Infrastructure Private Limited

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-II, Maharashtra in its 131st meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 195th meetings.

2. It is noted that the proposal is considered by SEAC-II under screening category 8(b) as per EIA Notification 2006.

### Brief Information of the project submitted by you is as below :-

1.Name of Project	Proposed Amendment of Environmental Clearance of Integrated Township Project, at Vardoli, Panvel Taluka, Raigad Maharashtra by M/s Wadhwa Construction and Infrastructure Private Limited
2.Type of institution	Private
3.Name of Project Proponent	M/s Wadhwa Construction & Infrastructures Pvt.Ltd.
4.Name of Consultant	Building Environment India Pvt ltd
5.Type of project	Integrated Township Project
6.New project/expansion in existing project/modernization/diversification in existing project	Diversification in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes Environmental Clearance obtained on 31st May,2018 Vide F.No.21-258/2017-IA-III from MoEF&CC.
8.Location of the project	The subject property is located in Village Vardoli, Bherle and Bhingarwadi of Panvel Taluka, Raigad, Maharashtra. It falls partly in NAINA area of CIDCO and partly in MMRDA RP boundary. The site is accessed from existing Road of 18M ROW. The geographical coordinates of the site are given below: Latitude: 18°57'27.87"N Longitude: 73°11'30.84"E
9.Taluka	Panvel
10.Village	Vardoli, Bherle and Bhingarwadi
Correspondence Name:	Mr Gurudatta Deshmukh
Room Number:	301
Floor:	3rd Floor
Building Name:	Platina, C-59
Road/Street Name:	G Block
Locality:	Bandra Kurla Complex
City:	Mumbai

**SEIAA Meeting No: 195 Meeting Date: March 14, 2020 ( SEIAA-STATEMENT-000003488 )**  
**SEIAA-MINUTES-000003183**  
**SEIAA-EC-000002284**

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**Shri. Anil Diggikar (Member Secretary SEIAA)**

<b>11. Whether in Corporation / Municipal / other area</b>	It falls partly in NAINA area of CIDCO and partly in MMRDA RP boundary
<b>12. IOD/IOA/Concession/Plan Approval Number</b>	1. Amended Master Plan and Building Plan Commencement Certificate dated - 20th May 2019 vide CIDCO/NAINA/PANVEL/Vardoli/ITP/BP-236/Amended perm/2019/585/SAP/162. 2. RZ-04 Layout Approval Commencement dated 10th February 2020 vide CIDCO/NAINA/PANVEL/Vardoli/ITP/BP-236/Final Layout/2020/77/SAP/1804 <b>IOD/IOA/Concession/Plan Approval Number:</b> 1. Amended Master Plan and Building Plan Commencement Certificate dated - 20th May 2019 vide CIDCO/NAINA/PANVEL/Vardoli/ITP/BP-236/Amended perm/2019/585/SAP/162. 2. RZ-04 Layout Approval Commencement dated 10th February 2020 vide CIDCO/NAINA/PANVEL/Vardoli/ITP/BP-236/Final Layout/2020/77/SAP/1804 <b>Approved Built-up Area:</b> 249916.89
<b>13. Note on the initiated work (If applicable)</b>	As per Environmental Clearance obtained on 31st May, 2018 Vide F.No.21-258/2017-IA-III from MoEF&CC till date status of construction on site: Construction Status as on 25.02.2020 Sr No Name of the Building Status of Construction Construction area in m2 1 Building No 1 - Wing A1 20th Floor Completed. 9719.50 (Incl of Non FSI 738.50) 2 Building No 1 - Wing A2 Foundation Completed. 3 Building No 1 - Wing A3 Foundation Completed. 4 Building No 6 - Wing A4 1st Floor Completed 925.67 (Incl of Non FSI 70.33) 5 Building No 1 - Wing B3 5th Floor Completed. 2586.00 (Incl of Non FSI 148.50) 6 Building No 3 - Wing C1 17th Floor Completed 8941.67 (Incl of Non FSI 343.75) 7 Building No 3 - Wing C2 16th Floor Completed 8345.56 (Incl of Non FSI 320.83) 8 Building No 3 - Wing C3 CC Obtained Work Not yet started 9 Building No 4 - Wing F2 CC Obtained. Work not yet started 10 Building No 4 - Wing F3 Foundation Completed. 11 Building No 4 - Wing F4 Ground Floor Completed 476.89 (Incl of Non FSI 403.33) 12 Building No 5 - Wing D1 21st Floor Completed; 10491.56 (Incl of Non FSI 403.33) 13 Building No 5 - Wing D2 18th Floor Completed; 9060.89 (Incl of Non FSI 348.33) 14 Building No 5 - Wing D3 8th Floor Completed. 4292.00 (Incl of Non FSI 165.00) 15 Building No 5 - Wing D4 Foundation Completed. 16 Building No 5 - Wing D5 CC Obtained. Work not yet started 1,00,000 sq m Road works completed including streetlights and landscaping.
<b>14. LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	NA
<b>15. Total Plot Area (sq. m.)</b>	8,46,129.39 sq.mt
<b>16. Deductions</b>	0
<b>17. Net Plot area</b>	8,46,129.39 sq.mt
<b>18 (a). Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>FSI area (sq. m.):</b> RZ-04 (Residential): 47948.24 m2 RZ-08 (Residential): 310922.34 m2 EDU-01 (Educational): 13200.00 m2 Fire Station: 494.36 m2 Proposed FSI Area: 3,72564.94 m2 <b>Non FSI area (sq. m.):</b> RZ-04 (Residential): 18035.71 m2 RZ-08 (Residential): 62114.41 m2 EDU-01 (Educational): 5280.00 m2 Fire Station: 50.00 m2 Proposed Non-FSI: 85,480.12 m2 <b>Total BUA area (sq. m.):</b> 458145.51
<b>18 (b). Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b> Total - 2,51,570.13 <b>Approved Non FSI area (sq. m.):</b> Total - 73,936.43 <b>Date of Approval:</b> 11-05-2018
<b>19. Total ground coverage (m2)</b>	RZ-04 (Residential): 20595.38 m2 RZ-08 (Residential): 29590.98 m2 EDU-01 (Educational): 2714.29 m2 Fire Station: 460.00 m2 Total Ground coverage: 53,360.65 m2
<b>20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	RZ-04 (Residential): 32.10 % RZ-08 (Residential): 31.44 % EDU-01 (Educational): 38.52 % Fire Station: 14.63 %
<b>21. Estimated cost of the project</b>	10800000000

## 22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NA	NA	NA	NA

## 23. Total Water Requirement

<b>Dry season:</b>	Source of water	CIDCO
	Fresh water (CMD):	4967 KLD
	Recycled water - Flushing (CMD):	2476 KLD
	Recycled water - Gardening (CMD):	165
	Swimming pool make up (Cum):	50
	<b>Total Water Requirement (CMD) :</b>	7658 KLD
	Fire fighting - Underground water tank(CMD):	as per Fire NOC
	Fire fighting - Overhead water tank(CMD):	as per Fire NOC
	Excess treated water	1605
<b>Wet season:</b>	Source of water	CIDCO
	Fresh water (CMD):	4967 KLD
	Recycled water - Flushing (CMD):	2476 KLD
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	50
	<b>Total Water Requirement (CMD) :</b>	7493 KLD
	Fire fighting - Underground water tank(CMD):	as per Fire NOC
	Fire fighting - Overhead water tank(CMD):	as per Fire NOC
	Excess treated water	1770
<b>Details of Swimming pool (If any)</b>	Phase-1: Area-300 Sq.mt Depth-1.50 mt. Located in club house Phase-2: Area-300 Sq.mt Depth-1.50 mt. Located in club house	

## 24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	--	2216	8750	--	--	--	--	--	--

<b>25.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	8.00 m- 8.81m below ground surface
	<b>Size and no of RWH tank(s) and Quantity:</b>	Nil
	<b>Location of the RWH tank(s):</b>	Nil
	<b>Quantity of recharge pits:</b>	385 Nos.
	<b>Size of recharge pits :</b>	3mx3mx3m
	<b>Budgetary allocation (Capital cost) :</b>	11.55 Cr.
	<b>Budgetary allocation (O &amp; M cost) :</b>	23.00 L
	<b>Details of UGT tanks if any :</b>	NA

<b>26.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Towards west
	<b>Quantity of storm water:</b>	N-10: 4.4 m <sup>3</sup> /sec N-12: 0.74 m <sup>3</sup> /sec N-49: 7.319 m <sup>3</sup> /sec N-53: 1.033 m <sup>3</sup> /sec N-55: 0.120 m <sup>3</sup> /sec N-58: 0.93 m <sup>3</sup> /sec N-66: 0.375 m <sup>3</sup> /sec N-75: 0.086 m <sup>3</sup> /sec N-76: 0.086 m <sup>3</sup> /sec
	<b>Size of SWD:</b>	N-10: 1.50 X 1.68 N-12: 0.60 X 0.70 N-49: 1.2 X 1.6 N-53: 0.45 X 0.6 N-55: 0.45 X 0.3 N-58: 0.60 X 0.9 N-66: 0.30 X 0.50 N-75: 0.30 X 0.30 N-76: 0.30 X 0.30

<b>27.Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	4718.03
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	RZ-08- 4 STP of total capacity 4402 KLD RZ-04- 1 STP of capacity102 KLD EDU-01-1 STP of capacity 130KLD
	<b>Location &amp; area of the STP:</b>	Ground floor Description Capacity (KLD) Area (sq. m) RZ-08 4 STP of total capacity 4402 KLD Total area of 3240 RZ-04 102 96 EDU-01 130 112
	<b>Budgetary allocation (Capital cost):</b>	14.96 cr
	<b>Budgetary allocation (O &amp; M cost):</b>	1.49 cr

## 28.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	11.74 TPD
	<b>Disposal of the construction waste debris:</b>	Construction waste will be disposed according to C&D waste rules 2016
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	RZ-08- 4082 Kg/day RZ-04- 194 Kg/day EDU-01-472 Kg/day Total -4748 Kg/day
	<b>Wet waste:</b>	RZ-08- 6122 Kg/day RZ-04- 292 Kg/day EDU-01-315 Kg/day Total- 6729 Kg/day
	<b>Hazardous waste:</b>	Waste oil from DG sets
	<b>Biomedical waste (If applicable):</b>	--
	<b>STP Sludge (Dry sludge):</b>	708 kg/day
	<b>Others if any:</b>	NA
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be disposed through recyclers
	<b>Wet waste:</b>	Will be treated in OWC
	<b>Hazardous waste:</b>	Will be handled as per Hazardous waste Rules, 2018
	<b>Biomedical waste (If applicable):</b>	--
	<b>STP Sludge (Dry sludge):</b>	After treatment in OWC will be used as soil conditioner
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground floor
	<b>Area for the storage of waste &amp; other material:</b>	Will be provided in EIA
	<b>Area for machinery:</b>	Will be provided in EIA
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Will be provided in EIA
	<b>O &amp; M cost:</b>	Will be provided in EIA

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## 29.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			



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### 30. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 31. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	--	--	--	--	--	--

### 32. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	--	--	--	--

33. Source of Fuel --

34. Mode of Transportation of fuel to site --

### 35. Energy

<b>Power requirement:</b>	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	480 KW
	DG set as Power back-up during construction phase	as per requirement
	During Operation phase (Connected load):	92310 kw
	During Operation phase (Demand load):	62554 KW
	Transformer:	2 X10MVA for each phase
	DG set as Power back-up during operation phase:	1 DG set of capacity 380KVA 1 DG set of capacity 320kva 1 DG set of capacity 180 kVA
	Fuel used:	High Speed Diesel (HSD)
	Details of high tension line passing through the plot if any:	YES

#### Energy saving by non-conventional method:

? 100% of the external lighting shall be energy efficient and or powdered by solar energy systems  
 ? LED/ T5/CFL streetlights with the pole mounted solar PV panel can be installed  
 ? Equipment's (Transformer, HVAC motors & fan, light, pump etc) installed shall meet the BEE/ ECBC guideline  
 ? All pumps & motors should be BEE certified and have a minimum efficiency of 75%  
 ? All water tanks in the building should be fitted with the level controllers to avoid the un necessary operation of the pump

#### 36. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving using Solar Panels & Solar street lighting	provided in EIA

### 37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Will be provided in EIA	Will be provided in EIA	Will be provided in EIA

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	250.00 lacs
	O & M cost:	25.00 lacs

### 38.Environmental Management plan Budgetary Allocation


#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression	8
2	Water Environment	Site Sanitation, Disinfection & Health Check Up	25.3
3	Environmental Monitoring	Environmental Monitoring	60
4	Land environment	Debris/Top soil Management	6.3
5	Socio- economic environment	Health and Safety of Labourers	2
6	EMC	EMC	12

#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	sewage treatment	MBBR technology	1496.00	149.4
2	Solid Waste Management	OWC	288.00	48.00
3	Rain Water Management	Recharge pits	115.50	23.00
4	RG Area	landscaping	303.6	16.00
5	Energy Saving	Solar panels	250.00	25.00
6	DMP	Fire Fighting measures	794	45.3
7	Monitoring of Environmental Parameters	Monitoring of Environmental Parameters	--	4.8
8	Environment monitoring cell	Environment monitoring cell	--	2.5

### 39.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

<p><b>SEIAA Meeting No: 195 Meeting Date: March 14, 2020 ( SEIAA-STATEMENT-000003488 )</b>  <b>SEIAA-MINUTES-000003183</b>  <b>SEIAA-EC-000002284</b></p>	<p>Page 8 of 14</p>	<p>  <b>Shri. Anil Diggikar (Member Secretary SEIAA)</b></p>
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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA
<b>40.Any Other Information</b>							
No Information Available							



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	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Abutting the Bufferzone of MESZ (Notified Ecosensitive Area)
	<b>Category as per schedule of EIA Notification sheet</b>	8(b)
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	----
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

**3. The proposal has been considered by SEIAA in its 195th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:**

**Specific Conditions:**

<b>I</b>	PP to ensure that, as proposed project should be net Zero discharge project.
<b>II</b>	PP to submit the undertaking regarding construction of STP for local body under CER activity. Also to submit the undertaking regarding installation of Bio-methanation plan & detail note regarding working of it.
<b>III</b>	As proposed by PP all STP's are to be kept in series, as in case of failure of any one STP the other STP's could distribute the load and sewage will be treated.
<b>IV</b>	PP to decide rainwater harvesting sites using geophysical investigation
<b>V</b>	PP to enter into tripartite Agreement with forest department for development of plantation work on degraded forest patches of 93 acres.
<b>VI</b>	PP to upload acknowledgement regarding plan submitted to local planning authority.
<b>VII</b>	PP to provide electrically operate bus service for the residents.
<b>VIII</b>	PP to provide minimum 25 % of total parking arrangement with electric charging stations by providing charging points at suitable places. Also PP to provide the electric buses for the local transportation to nearby public places like nearby railway station, bus stand, market etc.
<b>IX</b>	The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
<b>X</b>	PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.
<b>XI</b>	PP to ensure that CER plan gets approved from Municipal Commissioner.
<b>XII</b>	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019
<b>XIII</b>	SEIAA decided to grant EC for - FSI: 190421.387 m2, Non-FSI:46295.00 m2 and Total BUA:249916.38 m2 (Plan Approval no-CIDCO/NAINA/PANVEL/Vardoli/ITP/BP-236/Final/layout/2020/SAP/1804)

**General Conditions:**

<b>I</b>	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
<b>II</b>	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.

III	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
IV	PP has to abide by the conditions stipulated by SEAC& SEIAA.
V	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
VI	If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
VII	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
VIII	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
IX	The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
X	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
XI	Arrangement shall be made that waste water and storm water do not get mixed.
XII	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
XIII	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
XIV	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
XV	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
XVI	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
XVII	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
XVIII	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
XIX	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
XX	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
XXI	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.
XXII	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).
XXIII	Ready mixed concrete must be used in building construction.
XXIV	Storm water control and its re-use as per CGWB and BIS standards for various applications.
XXV	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
XXVI	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.

XXVII	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
XXVIII	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
XXIX	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
XXX	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
XXXI	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
XXXII	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
XXXIII	Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.
XXXIV	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
XXXV	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
XXXVI	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
XXXVII	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
XXXVIII	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
XXXIX	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
XL	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.
XLI	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.
XLII	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.
XLIII	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.
XLIV	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
XLV	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
XLVI	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
XLVII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

<b>XLVIII</b>	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
<b>XLIX</b>	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a> .
<b>L</b>	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
<b>LI</b>	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
<b>LII</b>	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
<b>LIII</b>	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
<b>LIV</b>	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

# Government of Maharashtra

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

  
Shri. Anil Diggikar (Member Secretary SEIAA)

**Copy to:**

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. REGIONAL OFFICE MPCB RAIGAD
10. REGIONAL OFFICE MIDC RAIGAD
11. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
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