

Wadhwa Construction & Infrastructure Pvt. Ltd.

301, Platina, Plot No. C-59, G-Block, BKC, Bandra (East), Mumbai-400 098.

Tel: 022-67308400 • Fax: 022-67308401

E-mail: info@thewadhwaigroup.com • Website: thewadhwaigroup.com

CIN U70109MH2000PTC129871

Date: 23-03-2023

To,
Sub - Regional Officer (Navi Mumbai I)
Raigad Bhavan, 7th floor Sector-11,
CBD. Belapur, Navi Mumbai-400614.

Sub: Submission of six-monthly compliance report December 2022 for proposed Integrated Township of '**Wadhwa Wise City**' at Village Vardoli, Taluka Panvel, District Raigad, Maharashtra by M/s Wadhwa Construction and Infrastructure Private Limited.

Ref: Environmental Clearance Letter No.: SEIAA-EC-0000002284 dated 24.06.2020.

Respected Sir/Madam

Your kind attention is invited to the above-cited subject and the file and environmental clearance letter under reference. In above context, we are pleased to submit following documents/information:

1. Name, Email, Phone/Fax of local project officer and Nodal Officer
2. Status of project work
3. The information in the Data-Sheet
4. Point-wise compliance status to various stipulations, as laid down by the Ministry, in its above –cited letter, with supporting documents.

Thanking You,

For, **Wadhwa Construction and Infrastructure Private Limited.**

Authorized Signatory

Encls: As above.



Wadhwa Construction & Infrastructure Pvt. Ltd.

301, Platina, Plot No. C-59, G-Block, BKC, Bandra (East), Mumbai-400 098.

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E-mail: info@thewadhwagroup.com • Website: thewadhwagroup.com

CIN U70109MH2000PTC129871

Date: 23-03-2023

To,
The Member Secretary
Maharashtra Pollution Control Board
3rd & 4th floor, Kalpataru Point, Sion Matunga
Scheme Road no.8, Opp. Sion circle, Sion (E),
Mumbai - 400 022.

Sub: Submission of six-monthly compliance report December 2022 for proposed Integrated Township of 'Wadhwa Wise City' at Village Vardoli, Taluka Panvel, District Raigad, Maharashtra by M/s Wadhwa Construction and Infrastructure Private Limited.

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CIN U70109MH2000PTC129871

Date: 23-03-2023

To,
Regional Officer,
West- Central Zone (WCZ),
Ministry of Environment, Forest and Climate Change
East Wing, New Secretariat Building, Civil Lane,
Nagpur – 440001.

Sub: Submission of six-monthly compliance report December 2022 for proposed Integrated Township of '**Wadhwa Wise City**' at Village Vardoli, Taluka Panvel, District Raigad, Maharashtra by M/s Wadhwa Construction and Infrastructure Private Limited.

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CIN U70109MH2000PTC129871

Date: 23-03-2023

To,
The Member Secretary,
State Level Environment Impact Assessment Authority (SEIAA)
Environment Department,
Room No 217, 2nd Floor, Mantralaya,
Mumbai: 400032 Maharashtra.

Sub: Submission of six-monthly compliance report December 2022 for proposed Integrated Township of '**Wadhwa Wise City**' at Village Vardoli, Taluka Panvel, District Raigad, Maharashtra by M/s Wadhwa Construction and Infrastructure Private Limited.

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For, **Wadhwa Construction and Infrastructure Private Limited.**

Authorized Signatory

Encls: As above.



Information of Project officer and Nodal officer

1.	Name of Project officer Email Phone /Fax Number	Mr. Pragnesh Mehta Project Head Wadhwa Construction & Infrastructures Pvt Ltd. 3 rd Floor, Platina, Plot C-59, G-Block, BKC, Bandra (East), Mumbai-400051, Maharashtra.
2.	Name of Nodal officers Email Phone /Fax Number	Mr. Shailesh Desai Project Engineer 'Wadhwa Wise City' at Village Vardoli, Taluka Panvel, District Raigad, Maharashtra – 410216.

Photographs Showing Present Progress of Work



A-1 Building



A-2 Building



A3 Building



A-4 Building



B1 Building/ B2 Building



B3 Building



C-1 Building



C2 Building



C3 Building



D-1 Building



D-2 Building



D-3 Building



D-4 Building



D5 Building



E 1 Building/E2 Building



F 2 Building



F3 Building



F 4 Building



G 1 Building / G 2 Building

DATA SHEET

No.		
1.	Project type: River Valley / Mining / Industry / Thermal / Nuclear / Others (specify)	: Integrated Township Project
2.	Name of the Project	: Proposed Amendment of Environmental Clearance of Integrated Township Project, 'Wadhwa Wise City' at Vardoli, Panvel Taluka, Raigad Maharashtra by M/s Wadhwa Construction and Infrastructure Private Limited.
3.	Clearance letter (s) / OM No. and date	: Environmental Clearance Letter No-SEIAA-EC-0000002284 dated 24 th June 2020.
4.	Location	
	a) District (s)	: Raigad
	b) State (s)	: Maharashtra
	c) Latitude / Longitude	: Latitude: 18°58'7.24"N Longitude: 73°11'45.82"E
5.	Address for Correspondence	
	a) Address of the Concerned Project Chief Engineer (with Pin code & Telephone / Telex / Fax Numbers)	: Mr. Pragnesh Mehta (Project Head) Wadhwa Construction & Infrastructure Pvt Ltd. 3 rd Floor, Platina, Plot C-59, G-Block, BKC, Bandra (East), Mumbai-400051, Maharashtra. Mr. Shailesh Desai (Project Engineer) Wadhwa Construction & Infrastructure Pvt Ltd. 3 rd Floor, Platina, Plot C-59, G-Block, BKC, Bandra (East), Mumbai-400051, Maharashtra.
	b) Address of the Concerned Project Chief Engineer (with Pin	

	code & Telephone / Telex / Fax Numbers)	
6.	Salient features of the Project	<p>Location of the project: Village Vardoli, Taluka Panvel, District Raigad Maharashtra Total Plot Area: 846129.39 Sq. m.</p> <p>Proposed Built-up Area (FSI & Non-FSI)- FSI area (sq. m.): 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. Non FSI area (sq. m.): 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. Total BUA area (sq. m.): 458145.51.</p> <p>Approved Built up area as per DCR- Approved FSI area (sq. m.): Total -2,51,570.13 Approved Non FSI area (sq. m.): Total – 73,936.43 Date of Approval: 11-05-2018 As per EC letter- SEIAA-EC-0000002284 Granted on 24th June 2020.</p> <p>Water requirement:</p> <ul style="list-style-type: none"> • Domestic water: 4967 KLD • Recycled Water: 2476 KLD • Gardening: 165 KLD • Swimming pool: 50 KLD • Total Water requirement: 7658 KLD <p>Source: CIDCO.</p> <p>Power Requirement: Construction phase: 480 KW Operation Phase (Connected load): 92310 kw Operation Phase (Demand load): 62554 kw DG sets as power back up during Operation Phase: 1 DG set of capacity: 380KVA, 1 DG set of capacity 320 KVA, 1 DG set of capacity: 180 KVA. Source: MSEDCL.</p>
7.	Breakup of the Project Area a) Submergence area: forest & non forest	NA
	b) Others	Total Plot Area: 846129.39 Sq. m.

		Total FSI: Total -251570.13 Sq. m. Total Non FSI area: Total – 73936.43 Sq. m. Total Built up Area: 325506.56 Sq. m.																														
8.	Breakup of the project affected population with the enumeration of those losing Houses / Dwelling units only, Agricultural Land & Landless Laborers / Artisans: a) SC, ST / Adivasi	: NA																														
	b) Others (please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details & year of survey)																															
9	Financial Details: a) Project cost as originally planned and subsequent revised estimates and the year of price reference	: Project Cost: Rs. 10800000000 (As per EC letter).																														
b)	Allocation made for environmental management plans with item wise and year wise breakup	: <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="3" style="text-align: center;"><u>Table - 1</u></th> </tr> <tr> <th colspan="3" style="text-align: center;">Details of expenditure incurred on EMP (Alongwith Proof of Expenditure)</th> </tr> <tr> <th style="text-align: center;">Sr. No.</th> <th style="text-align: center;">Particulars</th> <th style="text-align: center;">Amount (P.A.) (INR)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Air Quality</td> <td style="text-align: right;">317927</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Water Quality</td> <td style="text-align: right;">639250</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Land Environment</td> <td style="text-align: right;">200000</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Landscape and Topography</td> <td style="text-align: right;">82000</td> </tr> <tr> <td style="text-align: center;">5</td> <td>Noise Quality</td> <td style="text-align: right;">13400</td> </tr> <tr> <td style="text-align: center;">6</td> <td>Sanitation, Safety and Health</td> <td style="text-align: right;">1190063</td> </tr> <tr> <td></td> <td style="text-align: center;">Total</td> <td></td> </tr> </tbody> </table>	<u>Table - 1</u>			Details of expenditure incurred on EMP (Alongwith Proof of Expenditure)			Sr. No.	Particulars	Amount (P.A.) (INR)	1	Air Quality	317927	2	Water Quality	639250	3	Land Environment	200000	4	Landscape and Topography	82000	5	Noise Quality	13400	6	Sanitation, Safety and Health	1190063		Total	
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Sr. No	Particulars	Amount
1	Air Quality	
A	Water Tanker Sprinkling for Dust suppression	100000
B	DG set Maintenance	5000
C	Periodic Maintenance of Construction equipment	
(i)	RMC Plant Maintenance	175000
(ii)	Pump	14000
D	Air Monitoring on site	14927
	Total – A	317927
2	Water Quality	
A	Sintex Tank - 4 * 10000 litre	90000
B	Sintex Tank - 6 * 5000 litre	75000
C	Sintex Tank - 6 * 250 litre	6750
D	450 Labourers - 1 Mobile toilet per 10 workers	270000
E	Maintenance of Portable Mobile Toilets	120000
F	Sewage Disposal - Labour Colony and site	75000
G	Drinking Water Monitoring Report	2500
	Total – B	639250
3	Land Environment	
A	Top Soil - 449 Cum	130000
B	Dust Bins - Biodegradable and Non-Biodegradable	30000
C	Solid waste Generation-Authorised Vendor	
(i)	Debris Chute	40000
	Total – C	200000
4	Landscape and Topography	
(i)	Viewing Gallery and Grass and Tree Plantation (Slope Protection)	82000
	Total – D	82000
5	Ambient Noise Quality	3400
(i)	Noise Monitoring	3500
(ii)	Ear Muffs for construction workers	2500
(iii)	Rubber Padding for DG set and other equipment	4000
	Total – E	13400
6	Sanitation Safety and Health	
(i)	Doctor	180000

			(ii)	Personal Protective Equipment - (helmet, Safety Shoes, Harness Belts, Sun Glares, hand Gloves etc	973293	
			(iii)	Health Check up	21750	
			(iv)	First Aid Kit	10000	
			(v)	Safety Warning Signages - Posters	5000	
				Total – F	1190063	
				Total - A+B+C+D+E+F	2442640	
c)	Benefit cost ratio/Internal rate of Return and the year of assessment	:	The project is still Under Construction			
d)	Whether (c) includes the cost of environmental management as shown in the above	:	-			
e)	Actual expenditure incurred on the project so far	:	1,88,96,23,322 /-			
f)	Actual expenditure incurred on the environmental management plans so far	:	2442640/-			
10	Forest Land Requirement		NA			
a)	The status of approval for diversion of forest land for non-forestry use	:				
b)	The status of clearing felling	:				
c)	The status of compensatory a forestation, if any Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	:				
11	The status of clear felling in non-forest areas (such as	:	NA			

	submergence area or reservoir, approach roads.), if any with quantitative information required.																																	
12	Status of construction (Actual &/or planned)	<p>Period : December 2022</p> <table border="1"> <thead> <tr> <th>Building</th> <th>Completed</th> </tr> </thead> <tbody> <tr> <td>A1</td> <td>LMR/OHT Completed</td> </tr> <tr> <td>A2</td> <td>Plinth WIP</td> </tr> <tr> <td>A3</td> <td>Terrace Slab Completed</td> </tr> <tr> <td>A4</td> <td>LMR Bottom Slab Completed</td> </tr> <tr> <td>B3</td> <td>LMR/OHT Completed</td> </tr> <tr> <td>C1</td> <td>LMR/OHT Completed</td> </tr> <tr> <td>C2</td> <td>LMR Bottom Slab Completed</td> </tr> <tr> <td>C3</td> <td>Plinth WIP</td> </tr> <tr> <td>D1</td> <td>OHT/LMR Completed</td> </tr> <tr> <td>D2</td> <td>OHT/LMR Completed</td> </tr> <tr> <td>D3</td> <td>OHT Top Slab Completed</td> </tr> <tr> <td>D4</td> <td>23rd Slab Completed</td> </tr> <tr> <td>D5</td> <td>Plinth WIP</td> </tr> <tr> <td>F3</td> <td>16th Slab Completed</td> </tr> <tr> <td>F4</td> <td>Terrace Slab Completed</td> </tr> </tbody> </table> <p>Work for the other buildings is not started yet</p>	Building	Completed	A1	LMR/OHT Completed	A2	Plinth WIP	A3	Terrace Slab Completed	A4	LMR Bottom Slab Completed	B3	LMR/OHT Completed	C1	LMR/OHT Completed	C2	LMR Bottom Slab Completed	C3	Plinth WIP	D1	OHT/LMR Completed	D2	OHT/LMR Completed	D3	OHT Top Slab Completed	D4	23 rd Slab Completed	D5	Plinth WIP	F3	16 th Slab Completed	F4	Terrace Slab Completed
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a)	Date of commencement (Actual & / or planned)	: October 2018																																
b)	Date of completion (Actual&/or planned)	: December 2023																																
13	Reasons for the delay if the project is yet to start	: --																																
14	Dates of Site Visits																																	
a)	The dates on which the project was monitored by the Regional Office on previous occasions, if any	:																																
b)	Date of site visits for	: Site Visit: 10 th May 2021.																																

	this monitoring report	Monitoring: results are attached.
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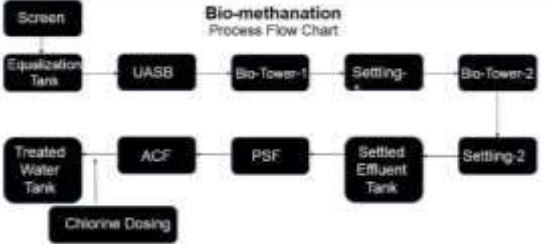
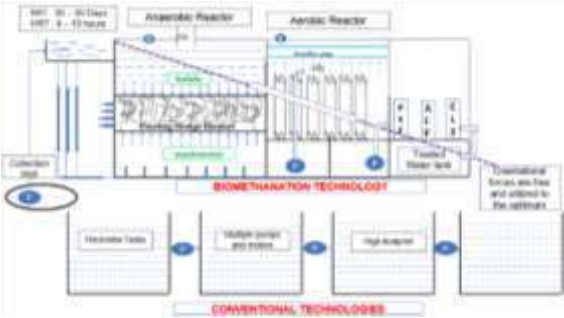



Name: Mr. Shailesh Desai

Signature & Stamp:

ENVIRONMENTAL CLEARANCE HALF YEARLY COMPLIANCE REPORT

1. **Project Type** : Integrated Township Project
2. **Name of the 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.**
3. **Clearance letter and date** : Environmental Clearance Letter No: SEIAA-EC-0000002284 dated June 24, 2020.
4. **Location** : Village Vardoli, Taluka Panvel,
 - a. **District** : Raigad
 - b. **State** : Maharashtra
 - c. **Latitude/Longitude** : Latitude: 18°57'27.87" N
Longitude: 73°11'30.84" E
5. **Address of correspondence** :
 - (a) **Address of concerned project Head** : **Wadhwa Construction & Infrastructures Pvt Ltd**
3rd Floor, Platina, Plot C-59, G-Block, BKC, Bandra (East), Mumbai-400051, Maharashtra.
 - (b) **Address of Corporate Office** : **Wadhwa Construction & Infrastructures Pvt Ltd**
3rd Floor, Platina, Plot C-59, G-Block, BKC, Bandra (East), Mumbai-400051, Maharashtra.

Compliance to the Conditions Recommended in EC

Sr. No.	Condition	Project Proponent’s Response / Compliance Status
Specific Conditions		
I.	PP to ensure that, as proposed project should be net Zero discharge project.	Noted and shall be complied.
II.	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.	<div style="text-align: center;">  <p>Bio-methanation Process Flow Chart</p> </div> <div style="text-align: center;">  <p>BIOMETHANATION TECHNOLOGY</p> <p>CONVENTIONAL TECHNOLOGIES</p> </div> <div style="text-align: center;">  <p>Typical Aerator with Motor</p> </div> <div style="display: flex; justify-content: center; gap: 10px;">   </div>

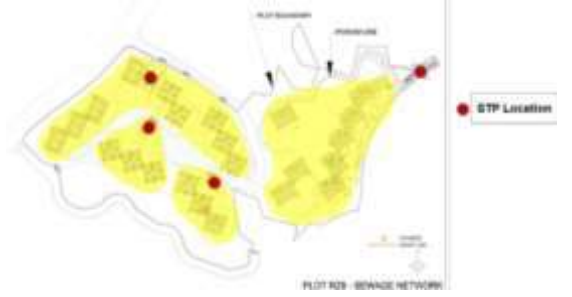




BioHYBRID using Gravity & Natural methods to aerate

Sl. No	Particulars	Performance
1	Area required to establish the STP	Reduced by over 30% compared to conventional systems – Low footprint
2	Power required to operate the STP	Reduced by over 70% compared to conventional systems – Low OpEx
3	Design detailing and aesthetics	Designed with great care to ensure no wastewater is seen during treatment process
4	Reliability of the system	Highly reliable as there are no moving parts ensuring low breakdown maintenance
5	Noise and vibrations from the STP	Reduced by over 95% compared to conventional systems
6	Odour control and management	Capable to treat and dispose odour scientifically. Other systems do not offer treatment or safe disposal of odour
7	Capability of handling shock-loads	Highly capable. The anaerobic reactor is highly resistant to load variations




		(peak and off-peak loads)	
		8	Sludge production The sludge production is reduced by 5 times over conventional processes, in turn reducing sludge handling costs and operating costs
		9	Capability of harnessing biogas from the system Only possible in BioHYBRID™ – The pollution is converted to biogas instead of sludge
III.	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.	Four STP’s have been proposed and kept in series. 	
IV.	PP to decide rainwater harvesting sites using geophysical investigation.	Noted.	
V.	PP to enter into tripartite Agreement with forest department for development of plantation work on degraded forest patches of 93 acres.	Noted and a tripartite agreement with forest department has been done.	
VI.	PP to upload acknowledgement regarding plan submitted to local planning authority.	Noted. Acknowledgement plan submitted to local planning authority copy Attached as Annexure 1 .	
VII.	PP to provide electrically operate bus service for the residents.	Project is in under construction. PP will provide electrically operated bus service in operation phase for the residents.	
VIII.	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.	PP will provide minimum 25% of total parking arrangement with electric charging stations by providing charging points at suitable places. Also PP wil provide the electric buses for the local transportation to nearby public places like nearby railway station, bus stand, market etc.	





IX.	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.	Noted. The project does not fall within 10 Km radius from the said sanctuary boundary.
X.	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.	In accordance with the circular issued by Ministry of Environment, Forest and Climate Change (MoEF & CC) dated May 01 st , 2018 and subsequent circular of June 22, 2018 on Corporate Environment Responsibility we have applied to Collector for approval of CER plan. Acknowledgment copy of application & CER details attached as Annexure 2.
	PP to ensure that CER plan gets approved from Municipal Commissioner.	Noted.
XI.	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	Noted and shall be complied.
XII.	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)	Plan Approval copy attached as Annexure 1.
General Conditions		
I	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	E-waste shall be disposed through authorized vendor as per amended E- waste (Management and Handling) Rule 2016.
II	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.	Agreed to comply with. Municipal water for drinking purpose and sewer line connection for disposal of treated sewage water will be provided prior to occupation.



		 <p style="text-align: center;">sewer line in the project</p> <p>Developer will monitor (as per environmental norms) of waste water before disposal in sewer line</p>
III	<p>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.</p>	<p>Not Applicable.</p>
IV	<p>PP has to abide by the conditions stipulated by SEAC & SEIAA.</p>	<p>Yes, developer has agreed to follow the mentioned conditions.</p>
V	<p>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</p>	<p>IOD/IOA/Concession/Plan Approval Number: 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. Annexure 1. 2. RZ-04 Layout Approval Commencement dated 10th February 2020 vide</p>



	<p>proposed project as per the approved development plan of the area.</p>	<p>CIDCO/NAINA/PANVEL/Vardoli/ITP/BP-236/Final Layout/2020/77/SAP/1804</p> <p>IOD/IOA/Concession/Plan Approval Number copy Attached as Annexure 1.</p>
<p>VI</p>	<p>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.</p>	<p>Consent to Establish from MPCB is obtained on 14th March 2018. Ref No. (BO/CAC-Cell/UAN No.0000038772/CE/CAC1803000682 Copy of Consent to Establish attached as Annexure -4.</p>
<p>VII</p>	<p>All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.</p>	<p>Temporary sanitation with separate toilets with septic tanks for ladies and gents are provided on the site.</p>  <p>Mobile Toilets</p>
<p>VIII</p>	<p>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.</p>	<p>Temporary labour camp provided on site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, Potable STP, safe drinking water, medical health care.</p>  <p>Mobile Toilets</p>





safe drinking water

CLEAN DROPS WATER SYSTEM
Water System

Customer Technical Detail Form

Customer Name: *Capacite Wadhwa* Date: *30/01/21*
 Person Contacted: *Mr. Shailendra Parida*
 Site Address: *Wadhwa Wise City (Bhandari)*
 Visit Engineer Name: *Mr. Vinod Jagtap*
 Plant Capacity: *500 LPH*

1.	Electric Connection Detail	1 Phase	/	3L
2.	High Pressure Pump Connection Detail	1 Phase	/	3L
3.	Raw Water Pump Connection Detail	1 Phase	/	3L
4.	Raw Water TDS			2.3
5.	Permit Water TDS			2.16
6.	Rejected Water Flow			350
7.	Permit Water Flow			250
8.	Feed Water Flow			2.135
9.	Raw Water Tank Capacity			1000 Hrs
10.	Product water Tank Capacity			5000 Hrs
11.	Raw water Pump (Amp)			0.2 A
12.	High Pressure Pump (Amp)			0.5 A
13.	R.O. Plant Safety Option	Yes		No
14.	Plant To Product Water tank (sq ft. Mtr)			1
15.	Raw Water Tank To R.O. Plant (sq ft. Mtr)			1
16.	Area Allotted For R.O. plant	(L)	(B)	(H)
17.	Maintenance Contact Person RO Plant			
18.	Dosing Pump Auto / Manual	On	/	Off
19.	Low Pressure Switch	On	/	Off
20.	Membrane In late Pressure	0.5	Kg	
21.	Membrane Out late Pressure	0.5	Kg	

ALL PRODUCTS

• ETP • STP • WTP • RO Plant • U.F. Plant • DM Plant • Commercial RO
 • Bottling Plant • Softener Plant • Installation & Service • Chemical Supply • AMC (Service) • Industrial RO • Residential RO

Remark: *RO Plant Closing*
 Contact Customer Person: *Mr. Shailendra* Mobile No: *9817515912*
 Designation: *Plumber* Signature & Date: *Shailendra Parida*

CLEAN DROPS WATER SYSTEM
 Mob - Contacts - 728893378, 703952680 | 0251-8516801
 WEBSITE - www.cleandrops.co.in

RO serving Report

Medical health check-up of new joining labours -





Health Check up



TT vaccination to all new joining labours

The waste generated from the labour camps is mostly household waste which is collected in bins and disposed in Municipal Solid waste Management system.

90410 - Wadhwa Wise City - Parvel

Capacite Infrastructure Ltd.
Wadhwa Wise City, Parvel,
Tal-Parvel, Dist. Rajgad
Pin: 410206

SUBC REQUISITION # CIL/90410/R/1769/19-20

Subject: CIL/90410/R/19-20

Reference: **Invoice of supply of 100MM BPAH**

To: **DESHAM BATALE**
Address: 40 Vardha, post-Chakla, Tal-Parvel, Dist-Rajgad-41001.
Contact: 90410 Parvel Batale.
Telephone:
Fax:
Cell Phone:
Email:

Req No: CIL/90410/R/1769/19-20
Req Date: 02/12/2019 Required By: 31/12/2019
Our Contact: Anil Pawade
Telephone: 9819903038
Fax:
Email: 989340244@capacite.in
Company: CAPACITE Infra Project

Terms and condition as per attached.

Contact: Pk. Bhatnagar / Miram, Tal. Parvel,
Delivery Address: Capacite Infrastructure Ltd, Wadhwa Wise City,
Parvel, Tal-Parvel, Dist. Rajgad, Parvel

No	Material Code	Cost Code	Description	Quantity	Unit	Rate	ES&C%	VAT%	Amount
1	1000012	90410_200	Disposal of waste from labour camp	17	Month	21,000.0000	-	0.00	357,000.00
Sub Total Amount:									357,000.00
PLUS VAT:									
Total Amount:									357,000.00

Authorized Signatory: 

Subject to our terms and conditions of purchase (Available in report)



KESHAV BATALE
 VILLAGE:- VARDOLI, POST - CHIKHALE, PANVEL-410206

PAN No: _____ GSTIN: _____

DATE: 07-09-2019

To,
 Capacite Infraprojects Ltd.
 Wadhwa Wise City Project
 Thakurwadi, Panvel
 gad


Sub: Quotation for Disposal of Waste foods

Dear Sir,
 Please find herewith quotation of Disposal of Waste Food at Labour Camp

Sr.No	Monthly	Vehicle Type	Unit	Quantity	Rate	Amount
1	Disposal of Waste Food alternate days	Tempo	Monthly	15 Nos		Rs.13000/-
(In Word: Thirteen Thousand Only)					Total Amount	Rs.13000/-


Thanking You,
 RNB
 Keshav Batale

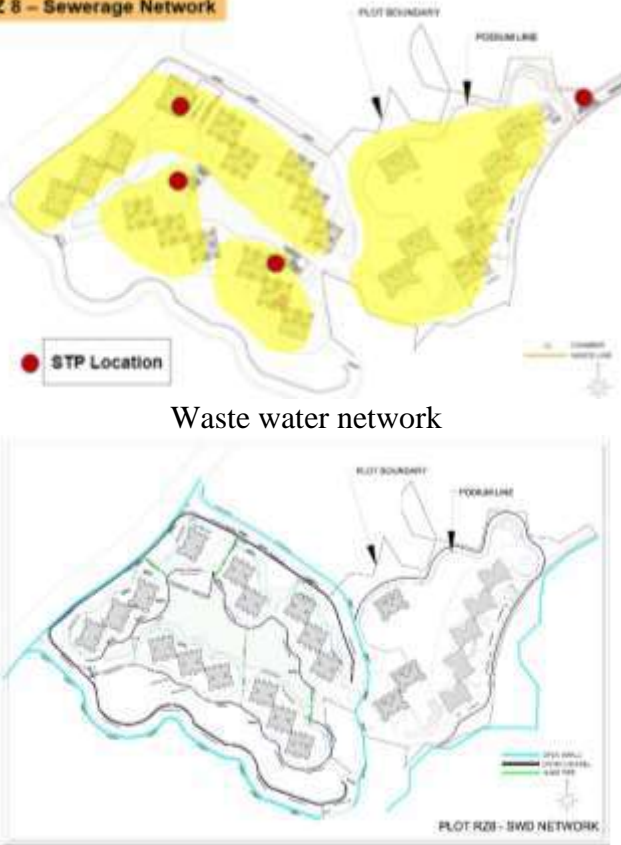
Wef - 10/9/19
 Labour Camp waste management
 2019/19





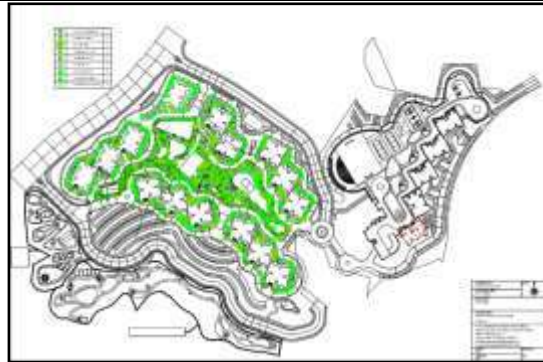


		 <p>Waste generated from labour camp and canteen site are being segregated at source. In labour camp and construction site two separate bins (Red and Blue) are being provided for collection of Dry and Wet waste. Sludge from onsite septic tanks from labour camps is collected and disposed of through vendor. Vendor Certificate Attached.as Annexure??</p>
IX	<p>The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.</p>	<p>Construction Phase - During construction phase waste would be generated mainly due to excavation in form of debris and soil. Recyclable waste i.e. steel, iron, cement bags, plastics containers, boxes will be sent to authorized recycler. Hazardous waste regenerated during construction phase, will be handed over to Mumbai Waste Management Limited (MWML), Taloja, Dist. Raigad. Solid waste generated from labour facility will be disposed to local municipal authority.</p>

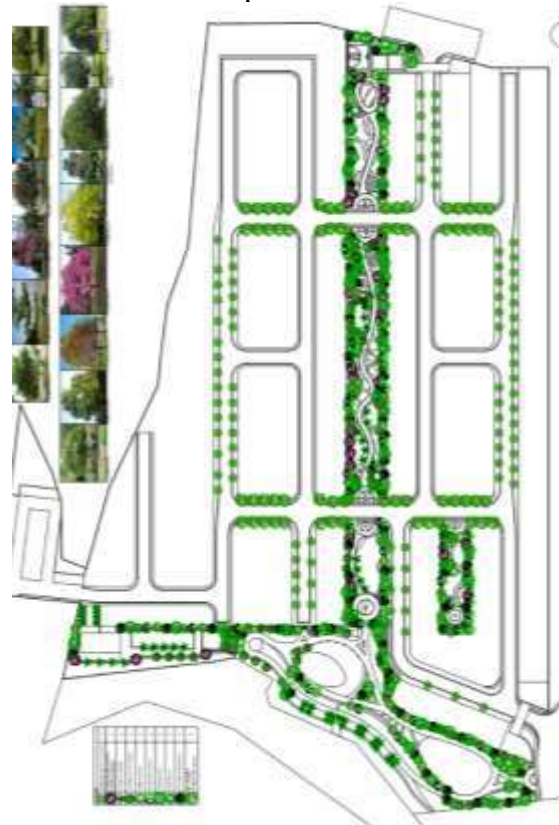
X	<p>Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.</p>	<p>Disposal of muck during construction phase is not creating any adverse effects on the neighbouring communities and is being disposed off taking the necessary precautions for general safety and health aspects.</p> <p>Muck generated during construction is used on site, as backfill and soil for green area development.</p>
XI	<p>Arrangement shall be made that waste water and storm water do not get mixed.</p>	<p>Proponent has made plan that waste water and storm water will not get mixed.</p> <p>RZ 8 – Sewerage Network</p>  <p>Waste water network</p> <p>Strom water network</p>
XII	<p>All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.</p>	<p>erosional excavated topsoil will be reused for the development of green belt within the project site.</p>
XIII	<p>Additional soil for levelling 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.</p>	<p>Proponent has maintained Natural drainage system.</p>

XIV	<p>Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.</p>	<p>The green belt design along the periphery of the plot will be such that it can attenuate the day and night noise level to the standard prescribed for residential use as prescribed by MPCB. Developer will provide RG area on ground and podium. Currently project is in initial phase.</p>	
		Plot Area	8,46,129.39
		RG Area	<p>Phase-1: 10,724.98 Phase-2: 8,822.59 School: 704.6</p>
		Existing Trees on Site	445 Nos.
		Trees to be cut for the development	4 Nos.
		Trees to be transplanted	6 Nos.
		Trees to be retained	22 Nos.
		Required trees to be planted as per ITP regulation (150 trees/ha)	10,811 Nos.
		New Trees to be planted on site	1273 Nos.





Landscape Plan – RZ-8



Landscape Plan – RZ-4

List Of trees to be proposed –


No	Common Name	Botanical Name	Characteristics	Quantity
1	Rain tree	Samanea saman	Shade with its big umbrella-shaped crown Roadside plantation	284

		2	Copper pod	Peltophorum pterocarpum	Spreading crown of feathery mimosa like leaves and abundance of bright yellow blooms Roadside and parks	269
		3	Gulmohur	Delonix regia	Grows up to give a large crown at 25 to 40 ft. Roadside and parks	140
		4	Cassia simeya	Senna siamea	Grows to a ht. of 15-20 m with a high crown and straight bole Gardens & parks	130
		5	Rosy trumpet	Tabebuia rosea	Evergreen with a rounded spreading crown Gardens & parks	80
		6	Indian rosewood	dalbergia sissoo	Indian rosewood is a heavy timber with high-strength properties	15
		7	mahogany	Swietenia macrophylla	Straight and even grain Gardens & parks	35



		8	African tulip tree	Spathodea campanulata	Height of 50 to 60 feet and 40 feet in width – Gardens & parks	123	
		9	Vad	Ficus benghalensis	Large, resilient and native shady tree – Gardens & parks	6	
		10	Pipal	Ficus religiosa	Deciduous, quick growing; height of 100 feet, with thick the trunk – Nodal Trees	6	
		11	Neem	Azadirachta indica	Fast-growing, medium-sized trees; height of 50 to 65 feet – Gardens & parks	20	
		12	Black board tree	Alstonia scholaris	Glabrous tree and grows up to 40 m – Gardens & parks	40	
		14	Indian laburnum	Cassia fistula	Elegant & majestically in the spring breeze – Gardens & parks	125	
		Total					1273
XV	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by	The Soil and Ground water samples have been tested through MoEF recognized laboratory. The copies of the reports are attached. Monitoring Report is attached as Annexure 5 .					



	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.	Such types of wastes are not anticipated in this project development, all possible measures are taken to avoid contamination of water bodies/streams.
XVII	Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	Hazardous waste management will be handled in compliance with Hazardous Waste (Management, Handling and Tran boundary Movement) Rules, 1989 and subsequent amendments. Hazardous waste will be handled and disposed of in accordance with the requirements of hazardous waste management rules 2016.
VIII	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.	The D. G. set will be enclosed type and as per CPCB norms.  DG location

POWERICA LIMITED
(Service Centre)
B-1, MIDC Industrial Area, Talgaon - 414 209, Dist. Haveri (M.S.)
Tel: +91 22 2746 3600 Fax: +91 22 2746 3600
E mail: service@powerica.com

POWERICA
A MEMBER OF THE POWER GROUP

COMMISSIONING REPORT

Customer Name: M/S. CAPACITE INFRA Date: 26/09/22
Address: Wadhwa Wise City, Phase 2, Talgaon, Haveri Dist.
Contact Person: Abhinav S. Thakur Contact No.: 9619844118
Gen. Set Capacity: 3 - 3 - KVA KW

ENGINE		ALTERNATOR		CONTROL PANEL	
Make: <u>CPI</u>	Make: <u>STANFORD</u>	Dr. No: <u>TP2011050102</u>			
St. No: <u>4129104</u>	Frame: <u>11CD124K1</u>	Design No: <u>2011050102</u>			
St. No: <u>3101005</u>	St. No: <u>N1H32262</u>	KVAH Meter Model: <u>171000</u>			
Cooling System: <u>Water</u>	Full Load: <u>34/23/20</u>	Dr. No: <u>11011020</u>			
Governor Type: <u>EC 1302</u>	AVR Type: <u>N/A</u>	C.T. Ratio: <u>3000/5</u>			
		AM: <u>3.0/10/20/30</u>			
		Ph. Dp. No: <u>PT-11000-3000</u>			
		AVR: <u>AVR</u>			

TEST REPORT

Time	VOLTS			AMPS			HZ	KW	PF	LEP	BATT	WT	RPM	HOUR	AVH
	WV	VB	BB	R	Y	B									
13:20	412	412	412	-	-	-	50	-	-	62	23	15	16	9	0.05
14:00	412	412	412	-	-	-	50	-	-	52	23	16	17	9	0.05

RE COMMENT: Verified above set after 10 mins. All parameters are within limits. Power cable is connected properly. All parameters are within limits.

INSTRUCTIONS & INFORMATION

1. OPERATION INSTRUCTION EXPLAINED YES NO

2. MAINTENANCE PROCEDURE EXPLAINED YES NO

3. WARRANTY TERMS INFORMED YES NO

S. R. Name: Deviyani Date: 26/09/22
Sgn: D. Saha Sgn: Abhinav S. Thakur

XIX

The diesel required for operation DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.

The diesel required for operating DG sets will be stored in Barrels.



XX

Vehicles hired for bringing construction material to the site

Regular maintenance of construction vehicles is carried out to keep them in good condition. The

	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.	vehicles having PUC certificate is used. • Adequate parking space is made available for construction vehicles inside the construction premises to lessen the impacts on traffic in surrounding areas. PUC check certificates are attached – Annexure-6.
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.	The noise levels as well as air pollution is monitored regularly from MoEF recognized laboratory. Monitoring Report as attached Annexure-5.
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).	Noted, fly ash is being used in the building material to the extent possible, as per Notification of September 1999 and as amended on 27th August 2003. Fly ash is being used in the RMC used for construction and AAC Blocks will be used for construction of partition walls.
XIII	Ready mixed concrete must be used in building construction.	Ready mix concrete is used for building construction.
XIV	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Storm water channelization drains & recharging structures will be developed after the completion of structural work & will be made functional in operational phase of the project.
XV	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Water demand during construction is ensured to be reduced by using pre-mixed concrete, adhesives, curing agents and other possible best practices.
XVI	The ground water level and its quality should be monitored regularly in construction with Ground Water Authority.	The ground water quality is monitored through MoEF recognized laboratory. As regards to ground water level we will consult with ground water authority
XVII	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	We have proposed 4 STPs during operation phase. Sewage will be treated up to tertiary level. The treated sewage will be reused for gardening and flushing purpose



	<p>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.</p>	<p>Entire black and grey water shall be treated within the site less than 10 BOD and NPK shall be removed</p> <ul style="list-style-type: none"> • Treated water will used for flushing WCs • Mechanical sewage treatment technology will be used for waste water treatment • Treated waste water will be used for landscaping purpose • Excess treated water will be pumped and used for gardening and for cooling towers at commercial complex later on. • After providing recycled water for Flushing, Landscaping & Cooling tower - surplus water will be recycled in water treatment plant and then overflow of tank is connected to Nala.
VIII	<p>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.</p>	<p>We are not using ground water for any purpose</p>
XIX	<p>Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.</p>	<p>Gray and black water will be collected through the double stack system from the individual buildings. Then gray water shall be connected to the inspection chamber through the fully trap to avoid foul smell and insects to enter to the building drainage, which the network inspection chamber and pipes water will convey to the plot STP. The collection tank of the STP will be under ground and treatment equipment will be above ground.</p>
XX	<p>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.</p>	<p>Water efficient sanitary features including showers, low flush, dual cistern will be provided.</p>
XXI	<p>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.</p>	<p>Single glazed Glass shall be used only for windows.</p>
XXII	<p>Roof should meet prescriptive requirement as per Energy Conservation Building Code by</p>	<p>Noted.</p>



	using appropriate thermal insulation material to fulfil requirement.	
XIII	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 of/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.	Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building and Solar hot water system will be provided.
XIV	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.	Noted. In operation phase total 3 DG sets of capacities are proposed as a power backup 380 KVA, 320KVA & 180KVA.
CXV	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	The noise levels are monitored regularly from MoEF recognized laboratory. Monitoring Report as attached Annexure-5 .



XVI	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.	Entry & exit to the proposed project are located in such way that it will not affect traffic on the adjoining roads. Also sufficient parking is provided.
XVII	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 fulfil requirement.	Noted.
XVIII	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	The Buildings have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation to the premises.
XIX	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.	<p>The Regular supervision is carried out by the project in-charge and supervisors are trained in Environmental Management measures.</p>  

XI	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.	We have obtained environmental clearance vide letter no . 0000002284 Dt. 24 th June 2020. As per the EC, we have started the construction
XLI	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.	Noted and being complied.
KLI	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.	Noted. STP of capacity RZ-08- 4402, RZ- 04- 102, EDU- 130 KLD will be provided during operation phase. Treated waste water is being used for flushing, gardening. OWC for treatment of 2223600 Kg/Day biodegradable garbage will be provided during operation phase. 889440 Kg/Day Inorganic waste recyclable and 592960 Kg/Day Inorganic waste non-recyclable. However a next level/secondary level segregation will also be taken care of for proper waste management and treatment. For primary level segregation or household level segregation, two different collection bins could be used for organic waste and inorganic dry waste. The door to door manual garbage collection system is propose to collect the waste categories as organic and inorganic dry waste from every house hold and segregate the waste further at the parking floor level. The organic and inorganic waste collected and segregated by the waste collection facility will be categorized as??add and packed in color coded bags / bins. Plantation of trees of different species shall be done over an RG area of Phase 1- 10724.98 sq.mt, Phase 2- 8822.59 sq.mt and school – 704.6 sq.mt.
LIII	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.	Wet garbage will treated in Organic Waste Converter and treated waste (manure) will be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises.
LIV	Local body should ensure that no occupation certification is issued	A full – fledged STP of capacity of RZ-08- 4402, RZ- 04- 102, EDU- 130 KLD will be installed



	prior to operation of STP/MSW site etc. with due permission of MPCB.	onsite for the treatment of waste water and ensure that the treated waste water conforms to norms prescribed by Maharashtra Pollution Control Board, Mumbai and same will be utilized for flushing, gardening to reduce fresh water demand. Organic waste Converter (OWC) will be provided to treat 857 Kg/ day biodegradable waste. The treated waste (Compost) will be used in gardening during operational phase
XLV	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	We have submitted all the project details and plans to MPCB while applying to Consent to Establish and accordingly MPCB has granted Consent to Establish.
LVI	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	In the case of any change (s) in the scope of the project, we will apply for a fresh appraisal by this Department.
LVII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Separate funds are allocated for implementation of environmental protection measures/EMP along with item wise breaks-up is as given in Annexure. Annexure EMP Attached as Annexure 7 .
VIII	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.	Separate funds allocated for implementation of environmental protection measures/EMP along with item wise breaks-up is as given in Annexure EMP Attached as Annexure 7 .
LIX	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	Complied.



	and may also be seen at Website at http://ec.maharashtra.gov.in .	
L	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 1 st June & 1 st December of each calendar year.	The monitoring Reports are sent with Compliance reports to MoEF, Nagpur and MPCB. December 2021 SMC report Acknowledgement copy attached as Annexure 9 .
LI	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.	Will be Complied.
LII	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 ₂ , NO _x (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.	The monitoring Reports are sent with Compliance reports to MoEF, Nagpur and MPCB. December 2021 SMC report Acknowledgement copy attached as Annexure 9 .
LIII	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.	The monitoring Report was sent with Compliance reports to MoEF, Nagpur and MPCB.



LIV	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.	Noted & will be complied.
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ANNEXURES

Sr. No	Particulars	Remarks
I.	Acknowledgement plan submitted to local planning authority.	Annexure 1
II.	EC copy	Annexure 3
III.	CTE copy	Annexure 4
IV.	CER	Annexure 5
V.	Monitoring report	Annexure 6
VI.	PUC Certificate	Annexure 7
VII.	EMP	Annexure 8





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

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Shri. Anil Diggikar (Member Secretary SEIAA)

11. Whether in Corporation / Municipal / other area	It falls partly in NAINA area of CIDCO and partly in MMRDA RP boundary
12. IOD/IOA/Concession/Plan Approval Number	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 IOD/IOA/Concession/Plan Approval Number: 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 Approved Built-up Area: 249916.89
13. Note on the initiated work (If applicable)	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.
14. LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15. Total Plot Area (sq. m.)	8,46,129.39 sq.mt
16. Deductions	0
17. Net Plot area	8,46,129.39 sq.mt
18 (a). Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): 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 Non FSI area (sq. m.): 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 Total BUA area (sq. m.): 458145.51
18 (b). Approved Built up area as per DCR	Approved FSI area (sq. m.): Total -2,51,570.13 Approved Non FSI area (sq. m.): Total - 73,936.43 Date of Approval: 11-05-2018
19. Total ground coverage (m2)	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
20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	RZ-04 (Residential): 32.10 % RZ-08 (Residential): 31.44 % EDU-01 (Educational): 38.52 % Fire Station: 14.63 %
21. Estimated cost of the project	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

Dry season:	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
	Total Water Requirement (CMD) :	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
Wet season:	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
	Total Water Requirement (CMD) :	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
Details of Swimming pool (If any)	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	--	--	--	--	--	--

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

26.Storm water drainage	Natural water drainage pattern:	Towards west
	Quantity of storm water:	N-10: 4.4 m ³ /sec N-12: 0.74 m ³ /sec N-49: 7.319 m ³ /sec N-53: 1.033 m ³ /sec N-55: 0.120 m ³ /sec N-58: 0.93 m ³ /sec N-66: 0.375 m ³ /sec N-75: 0.086 m ³ /sec N-76: 0.086 m ³ /sec
	Size of SWD:	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

27.Sewage and Waste water	Sewage generation in KLD:	4718.03
	STP technology:	MBBR
	Capacity of STP (CMD):	RZ-08- 4 STP of total capacity 4402 KLD RZ-04- 1 STP of capacity102 KLD EDU-01-1 STP of capacity 130KLD
	Location & area of the STP:	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
	Budgetary allocation (Capital cost):	14.96 cr
	Budgetary allocation (O & M cost):	1.49 cr

28.Solid waste Management

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

Power requirement:	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)

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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
40.Any Other Information							
No Information Available							



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

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:

I	PP to ensure that, as proposed project should be net Zero discharge project.
II	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.
III	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.
IV	PP to decide rainwater harvesting sites using geophysical investigation
V	PP to enter into tripartite Agreement with forest department for development of plantation work on degraded forest patches of 93 acres.
VI	PP to upload acknowledgement regarding plan submitted to local planning authority.
VII	PP to provide electrically operate bus service for the residents.
VIII	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.
IX	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.
X	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.
XI	PP to ensure that CER plan gets approved from Municipal Commissioner.
XII	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
XIII	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:

I	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
II	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.

XLVIII	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.
XLIX	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 http://ec.maharashtra.gov.in .
L	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.
LI	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.
LII	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 ₂ , NO _x (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.
LIII	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.
LIV	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
12. COLLECTOR OFFICE RAIGAD

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : (022)-27572739 (022)-
27572740
Fax : (022)- 27571586
Email : sronavimumbai1@mpcb.gov.in
Visit At : <http://mpcb.gov.in>



Sub-Regional Office Navi Mumbai-1, Raigad Bhavan
7th floor Sector - 11, C.B.D Belapur
Navi Mumbai - 400614

Green/L.S.I

Date: 17/06/2019

Consent No: SRO-RAIGAD -I/CONSENT/1906000766

Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / Renewal of Authorization under Rule 5 of the Hazardous & Other Wastes (Management & Transboundary) Rules 2016

[To be referred as Water Act, Air Act and HW (M&H) Rules respectively].

CONSENT is hereby granted to

M/s. Capacite Infraprojects Ltd.,
Wasdhwa Wise City, Survey No. 40 /1, Village Vardoli,
Tal-Panvel, Dist-Raigad,

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M&H) Rules and amendments thereto subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Operate is granted for a period up to: 31/05/2024
2. The Consent is valid for the manufacture of -

Sr. No.	Activity	Maximum Quantity	UOM
1	Ready Mix Concrete (Captive Plant)	6000	MT/Month

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall be 1.0 M3.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 0.4 M3.
- (iii) Trade Effluent :

Treatment: The applicant shall provide comprehensive treatment system consisting of primary / secondary and/or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

1	pH	Between	5.5 to 9.0
2	Oil & Grease	Not to exceed	10 mg/l
3	Suspended Solids	Not to exceed	100 mg/l.
4	BOD 3 days 27 deg C	Not to exceed	100 mg/l
5	COD	Not to exceed	250 mg/l

Trade Effluent Disposal: The treated effluent shall be reused in the process, water sprinkling system or gardening /plantation only. There should not any discharge of effluent from the plant.

(iv) Sewage Effluent Treatment:

The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.

(1)	Suspended Solids	Not to exceed	100	mg/l.
(2)	BOD 3 days 27o C.	Not to exceed	100	mg/l.

(v) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening / plantation only.

(vi) **Non-Hazardous Solid Wastes:** NA

(vii) **Other Conditions:** NA

4. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and amendment Rules, 2003 there under

The daily water consumption for the following categories is as under:

(i)	Domestic purpose	...	5.0	CMD
(ii)	Water gets Polluted & Pollutants are Biodegradable	...	30.00	CMD
(iii)	Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	0.00	CMD
(iv)	Industrial Cooling, spraying in mine pits or boiler feed	...	10.00	CMD
(V)	Gardening	...	1.00	CMD

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

5. CONDITIONS UNDER AIR ACT :

(i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

a. Control Equipment:

Industry shall provide dust collector/wet scrubbing system of sufficient capacity at all sources of emissions

b. Standards for Emissions of Air Pollutants:

(i)	SPM/TPM	Not to exceed	150	mg/Nm ³
(ii)	SO ₂	Not to exceed	---	Kg/day

6. Air Pollution Control:

UAN No: MPCB-CONSENT- 0000074533



(i) In-house measures

- A. All material transfer points should be covered.
- B. The dust containment system shall be provided incorporating either of the following
 - Barricading all around the periphery of the plot boundary with height of minimum 20 feet or 5 feet above free fall air emission area, whichever is higher with appropriate material. Same may extend above with netlon clothing whenever required.
 - Water sprinkling/Chemical dust stabilizing agent spraying system along the periphery inside the premises of RMC.
 - Tree plantation along the periphery inside boundary of the RMC premises having minimum width of 5 meters, on all sides. The foliage of the trees shall adequately cover area up to about 20m height.
- C. Internal work area shall be, cement concreted/Asphalted
- D. Daily cleaning / Removal of dust accumulation inside the plant (dry/wet) shall be carry out, with industrial vacuum cleaner.
- E. Two level tyre washing facility shall be provided at entry and exit points, for transit mixture vehicle.

(ii) Raw material storage & handling

- A. Storage silos of cement & fly-ash shall be equipped with adequate capacity of dust
- B. Collection system such as multi- cyclone followed by bag house assembly.
- C. Handling of Cement, sand, fly ash and aggregates shall be carried out with mechanical closed system only.
- D. Manual operations shall be permitted only in a closed shed, equipped with dust control system at the loading point as well as roof top secondary dust control system.
- E. All Conveyor belts of Sand, aggregate shall be covered with tin sheets and at transfer points dust collection system to be installed to avoid secondary fugitive emissions.
- F. Mixing section of cement, aggregate & sand shall be equipped with adequate capacity dust collection system, such as multi-cyclone followed by bag house, so as to limit dust emissions.
- G. Storage area of sand & aggregate shall be equipped with roof top water sprinkler system.
- H. The operation of the plant shall be interlocked with air pollution control devices.
- I. Alternative power supply system, should cover both the production and Air pollution control system.

(iii) The unit shall monitor ambient air quality at the plot boundary and meet the following ambient air quality standards (24 hours Average)

Particulate Matter PM 10	Not to Exceed	100 µg/m ³
Particulate Matter PM 2.5	Not to Exceed	60 µg/m ³

Industry shall carry out ambient air quality monitoring twice in a week for 24 hours.



7. Conditions for D.G. Set

1. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
2. Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
3. The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
4. Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
5. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
6. A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use
7. D.G. Set shall be operated only in case of power failure
8. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set

8. Standards for Stack Emissions:

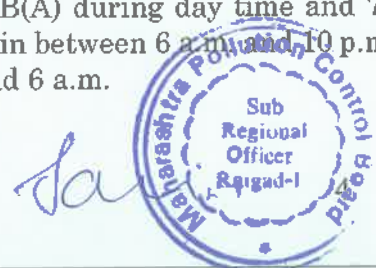
- (i) The applicant shall observe the following fuel pattern: -

Sr. No.	Type Of Fuel	Quantity	UOM
1	HSD	10	Lit/Hr

- (ii) The applicant shall erect the chimney(s) of the following specifications: -

Sr. No.	Chimney Attached To	Height in Mtrs.
1	DG Set 180 KVA	11

- (iii) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- (iv) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- (v) Other Conditions:



- 1) The industry should not cause any nuisance in surrounding area.
- 2) The industry should monitor stack emissions and ambient air quality regularly

9. CONDITIONS UNDER HAZARDOUS & other WASTE (MANAGEMENT & TRANSBOUNDARY) RULES, 2016:

The Industry shall not generate any hazardous wastes.

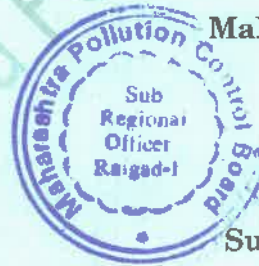
10. Industry shall comply with following additional conditions:

- i. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
- ii. The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation.
- iii. Solid waste – The non-hazardous solid waste arising in the factory premises, sweepings, etc., be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal to dumping ground.
- iv. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the applicant to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- v. The applicant shall not change or alter quantity, quality, the rate of discharge, temperature or the mode of the effluent / emissions or hazardous wastes or control equipment's provided for without previous written permission of the Board.
- vi. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- viii. The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- ix. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- ix. The applicant shall install a separate electric meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- Xi. Separate drainage system shall be provided for collection of trade and sewage effluents Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes / sewers down- stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection System .
- Xii. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.



8. The Gross Block Capital investment of the industry is Rs. 150.25 Lacs.
9. Board reserves right to revoke, suspend or amend the consent issued.
10. This consent should not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may deemed fit necessary
11. The authority shall provide adequate water treatment and disposal facility for generated effluent from their activity. They shall comply with provisions under the Water (Prevention and Control of Pollution) Act, 1974.
12. The authority shall provide adequate Air pollution control arrangement at the source. They shall comply with the provisions under the Air (Prevention and Control of Pollution) Act, 1981 and conditions prescribed
13. The remediation and restoration measure shall be taken by the project proponent in case of any environmental pollution in the surrounding area due to emission/effluent in excess of the standards being discharged/emitted in to the environment and violation of consent conditions and thereby causing environmental pollution.

For and on behalf of the
Maharashtra Pollution Control Board



Sachin Adkar
(Sachin Adkar)
Sub-Regional Officer Raigad- I

12/6/19

To,
M/s. Capacite Infraprojects Ltd.,
Wasdhwa Wise City, Survey No. 40 /1, Village Vardoli,
Tal-Panvel, Dist-Raigad.

Received Consent fee of -

Sr. No.	Amount(Rs.)	DR No.	Date	Drawn On
1	45,000	5451909	11-06-2019	Corporation Bank

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/ 24010437
Fax: 24023516
Website: <http://mpcb.gov.in>
E-mail: cac-cell@mpcb.gov.in



Kalpataru Point, 2nd - 4th Floor
Opp. Cine Planet Cinema,
Near Sion Circle, Sion (E)
Mumbai-400 022.

Consent order No: - Format1.0/BO/CAC-cell/UAN No. 0000038772/CE/CAC-

Date- 14/03/2018

1803000682

To,
M/s.Wadhwa Construction and Infrastructure Pvt. Ltd.,
S.No. 40 /1 and others ,Village Vardoli,
Taluka Panvel, Dist. Raigad

Subject: Consent to Establish for construction of Residential township project in RED Category.

Ref : Minutes of Consent Appraisal Committee (CAC) meeting held on 9.2.2018.

Your application No . 0000038772 Dated 27.12.2017.

For: Consent to Establish.

under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The Consent to establish is granted for a period upto commissioning of the unit or 5 years whichever is earlier.
2. The proposed capital investment of the project is Rs. 750 Crs (As per C.A. Certificate submitted by project proponent)

The Consent to Establish is valid for construction of Residential township project on plot bearing S.No.40/1,40/2,40/3,40/5,43/0,44/1,45/0,46/2/1,46/2/2,46/3,48/16,50/1,50/2,51/1,51/2,51/4,51/5, 52/0,53/0,54/0,55/4,56/1,56/2,56/3,56/4,56/5,57/1,57/3/B,57/4,59/2,59/3,59/5,60/1,60/2,60/3,60/ 4,61/1,62/1,62/2,63/1,70/2,70/3,71/1,71/2/A,71/3,71/4,71/5,71/7,113/2,113/4,113/5,115/5,115/6,1 17/13,117/14,117/15,117/16,117/17,117/18,117/19,117/20,117/21/1,117/24,117/26,117/28,117/29 ,117/30,117/31,117/32,118/0,119/2,119/3,119/5,119/6,119/7,119/8,119/9,119/10,119/11,119/13,1 19/15,119/17,119/18,119/19,119/20,119/21,119/22,119/23,119/24,119/25,119/26,119/2,119/32,12 0/2,122/1A,122/2,122/3,122/4,122/5,122/8,123/1,123/2,124/1,124/2,125/0,128/1,128/2,128/3,128/ 4,128/5,128/6,128/7,128/8,128/9,128/11,128/12,128/13,128/14,128/16,128/17,128/18,128/19,128/ 21,131/11,131/12,131/13,136/2,137/1,137/2,137/3,145/2,146/0,20/0,36/2/2,36/5,37/0,38/B,48/0,5 0/0,51/0,52/2,53/0,58/1,58/2,59/0,24/2,25/1,26/0,33/1(P),35/0,36/1,36/2,37/1,40/3/1,40/3/2,40/4, 44/1/C,44/1/D,44/2/A,44/2/B,45/0,46/0,131/9,131/16,131/18,131/19,131/20,131/24/2,131/25,131/ 26,45/1/A,2,45/1/2,45/1/3,45/1/4,45/1/6,45/1/8,22/0,24/4 ,25/0,26/0 ,27/2,39/0,40/0, 43/0, 40/1,129/2,128/20,131/10,131/24/1 Vardoli, Panvel Taluka Panvel, Dist. Raigad named as M/s. Wadhwa Construction and Infrastructure Pvt. Ltd., on Total plot area 8,46,129.3 sq. mtrs and total construction BUA area 4,25,117.93 sq. mtrs including utilities and services as per commencement certificate issued by local body.



3. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	NIL	NA	NA
2.	Domestic effluent	7743	As per Schedule -I	The treated domestic effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening and connected to the sewerage system provided by local body.

4. Conditions under Air (P & CP) Act, 1981 for air emissions:

Sr. No.	Description of stack/ source	Number Of Stack	Standards to be achieved
1	DG Set(750KVx2 Nos)	1	As Per Schedule -II
2	DG Set 380KVA	1	As Per Schedule -II
3	DG Set (500KVA x 2 Nos)	1	As Per Schedule -II
4	DG Set 1500KVA	1	As Per Schedule -II
5	DG Set (450KVA x 2 Nos)	1	As Per Schedule -II

5. Conditions under Municipal Solid Waste (Management and Handling) Rule, 2000 :

Sr. no.	Type Of Waste	Quantity	Treatment	Disposal
1	Biodegradable	9700.0 Kg/day	OWC	Will be used as Manure
2	Non-Biodegradable	6300.0 Kg/day	---	Segregate and Hand over to Local Body for recycling
3.	STP Sludge	200 Kg/Day		Will be used as Manure

6. Conditions under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 for treatment and disposal of hazardous waste

Sr. No.	Type Of Waste	Quantity	UOM	Treatment & Disposal
1.	Used oil	4824	Lit/Annum	Will be Sale to authorized vendor

- The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
- PP shall achieve the treated domestic effluent standard for the parameter BOD- 10 mg/lit.
- The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be used on land for gardening and connected to the sewerage system provided by local body.
- PP shall install online monitoring system for parameters BOD, TSS and flow at outlet of STP.
- 1st consent to operate for expansion will be considered only after submission of NOC from CGWB/Irrigation department for consumption of ground water/Surface water.
- PP shall obtained EC from competent authority and PP shall not take effective steps before obtaining EC from Competent authority.

For and on behalf of the
Maharashtra Pollution Control Board



(Dr. P. Anbalagan, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Transaction number	Bank Name	Amount	date
1	TXN1801000622	ICICI Bank	15,00,000/-	5.1.2018

Copy to:

1. Regional Officer, MPCB, Raigad and Sub-Regional Officer, MPCB, Raigad-I
-- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.



Maharashtra Pollution Control Board

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have proposed to provide Sewage Treatment Plants (STP) of capacity 7743 CMD with MBBR technology.

B] The Applicant shall operate the Sewage Treatment Plant (STP) to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr. No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for pH
01	pH	6.5 to 9
02	BOD (3 days 27°C)	20
03	Total Suspended Solids(TSS)	50
04	COD	100
05	Residual Chlorine	1 ppm
06	Detergent	2
07	Fecal Coliform(FC)	<1000

C) The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be connected to the sewerage system provided by local body. In no case, effluent shall find its way to any water body directly/indirectly at any time. Project Proponent shall achieve the treated domestic effluent standard for the parameter BOD- 10 mg/lit within six months period and shall install online monitoring system within three months. (As per MoEF, Notification dated 13.10.2017).

- 2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.
- 3) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 4) In case, the water consumption of the project is not covered under the water consumption of local body, in that situation, the project proponent shall submit the CESS Returns in the prescribed format given under the provision of Water (Prevention & Control of Pollution) Cess Act, 1977 and Rules made there under for various category of water consumption.

In case the water consumption is duly assessed under the quantity of water consumption of local body, the project proponent shall submit certificate to that effect from the concern local body with the request not to assess CESS on their water consumption, being already assessed on the water consumption of local body.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	8588
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00



Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have proposed to installed the Air pollution control (APC) system and also erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S Kg/Day	SO2 Kg/Day
1.	750KVax2 Nos	Acoustic Enclosure	10.0*	Diesel	192 Ltr/hr	13.33	26.66
2.	380KVA	Acoustic Enclosure	10.0*	Diesel	58.5 Ltr/hr	4.06	8.12
3.	500KVA x 2 Nos	Acoustic Enclosure	10.0*	Diesel	101.5Ltr/hr	6.95	13.90
4.	1500KVA	Acoustic Enclosure	10.0*	Diesel	128 Ltr/hr	8.88	17.77
5.	450KVA x 2 Nos	Acoustic Enclosure	10.0*	Diesel	76 Ltr/hr	5.27	10.54

* Above roof of the building in which it is installed.

2. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards.

Particulate matter	Not to exceed	150 mg/Nm ³
--------------------	---------------	------------------------

3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).




Schedule-III
Details of Bank Guarantees

Project Proponent shall extend the Bank Guarantee as below:

Sr. No.	Consent (Renewal Of C to D)	Amt of BG Imposed	Submission Period**	Purpose of BG #	Compliance Period	Validity
1	C to E	Rs. 25 Lakh*	15 Days from date of issue of consent	Towards compliance of C to E Condition.	COU or 5 years whichever is earlier	Validity of Consent+ 4 months

* The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.

++ The Bank Guarantee(s) shall be valid for a period upto: Validity of consent + 4 months

Existing BG obtained for above purpose if any may be extended for period of validity as above.



Schedule-IV

Conditions during construction phase:

a	During construction phase, applicant shall provide temporary sewage disposal and MSW facility for staff and worker quarters.
b	During construction phase, the ambient air and noise quality should be closely monitored to achieve Ambient Air Quality Standards and Noise by the project proponent through MoEF approved laboratory.
c	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.

General Conditions:

- 1) The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act 1986 and Municipal Solid Waste (Management & Handling) Rule 2000, Noise (Pollution and Control) Rules, 2000 and E-Waste (Management & Handling) Rule 2011.
- 3) Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 4) Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 5) Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Applicant should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Applicant should make efforts to bring down noise level due to DG set, outside their premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 6) Solid Waste – The applicant shall provide onsite municipal solid waste processing system & shall comply with Municipal Solid Waste (Management & Handling) Rule 2000 & E-Waste (M & H) Rule 2011.
- 7) Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.



- 8) Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.
- 9) The treated sewage shall be disinfected using suitable disinfection method.
- 10) The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 11) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.**

-----0000-----



Maharashtra Pollution Control Board

Wadhwa Construction & Infrastructure Pvt. Ltd.

301, Platina, Plot No. C-59, G-Block, BKC, Bandra (East), Mumbai-400 098

Tel: 022-67308400 • Fax: 022-67308401

E-mail: info@thewadhwagroup.com • Website: thewadhwagroup.com

CIN U70109MH2000PTC129871

Ref: WCIPL/PNVL/2019/124-EC

Dated: 16th May 2019

To
The District Collector,
Near Hira Court Talao,
Taluka Alibaug, District Raigad,

Reference: 1. Environmental Clearance for Integrated Township
Project, at Vardoli, Panvel Taluka, Raigad Maharashtra by M/s Wadhwa
Construction and Infrastructure Pvt Ltd
2. CER as per MoEF & CC Circular Dated 01.05.2018

Subject: Corporate Environmental Responsibility (CER) for our project Proposed Amendment of
Environmental Clearance Integrated Township Project at villages Vardoli, Bhingarwadi,
Bherle, Panvel Taluka, Raigad Maharashtra by M/s Wadhwa Construction and
Infrastructures Pvt Ltd


Respected Sir,


With reference to the above, as per the Corporate Environmental Responsibility (CER) notification dated 01.05.2018, in case of amendment in EC, CER will be applicable to only on the additional expenditure. So having additional capital investment of 750 Crores, for Greenfield project, the project requires 1.00 % of Capital Investment as CER activity and we shall comply with the same.

We have proposed the CER activity in the area around the project site as detailed in the attached enclosure as Annexure – 1. This is for your information and perusal.

Thanking You.

Yours faithfully
For M/s Wadhwa Construction and Infrastructure Pvt Ltd


Authorised Signatory
Encl: Annexure – 1


लिखित
नोंदणी शक्या
राधिकारी कार्यालय, रायगड
अलिबाग

Wadhwa Construction & Infrastructure Pvt. Ltd.

301, Platina, Plot No. C-59, G-Block, BKC, Bandra (East), Mumbai-400 098.

Tel: 022-67308400 • Fax: 022-67308401

E-mail: info@thewadhwaigroup.com • Website: thewadhwaigroup.com

CIN U70109MH2000PTC129871

Ref: WCIPL/PNVL/2020/194

Dated: 27th February 2020

To
The District Collector,
Near Hira Court Talao,
Taluka Alibaug, District Raigad,

Reference: 1. Proposed Amendment of Environmental Clearance for Integrated Township Project, at Vardoli, Panvel Taluka, Raigad Maharashtra by M/s Wadhwa Construction and Infrastructure Pvt Ltd
2. CER as per MoEF & CC Circular Dated 01.05.2018

Subject: Corporate Environmental Responsibility (CER) for our project Proposed Amendment of Environmental Clearance Integrated Township Project at villages Vardoli, Bhingarwadi, Bherle, Panvel Taluka, Raigad Maharashtra by M/s Wadhwa Construction and Infrastructures Pvt Ltd

Respected Sir,

With reference to the above, as per the Corporate Environmental Responsibility (CER) notification dated 01.05.2018, in case of amendment in EC, CER will be applicable to only on the additional expenditure. So having additional capital investment of 330 Crores (above the Initial Capital investment of 750 Crores), for Brownfield project, the project requires 0.75 % of Capital Investment as CER activity and we shall comply with the same.

We have proposed the CER activity in the area around the project site as detailed in the attached enclosure as Annexure – 1. This is for your information and perusal.

Thanking You.

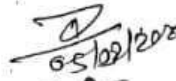
Yours faithfully

For M/s Wadhwa Construction and Infrastructure Pvt Ltd



Authorised Signatory

Encl: Annexure – 1


लिपिक
मोंदणी शाखा
सी कार्यालय, रायगड
अलिबाग

Annexure 1 - Proposed CER Plan

Name of Project: WADHWA WISE CITY , PANVEL

Total Project Cost: ₹ 1080 crores (RZ08 (Residential Project) - 880 Cr + RZ04 (Residential Project) - 150 Cr + Edu-01 (School Project) - 50 Cr)

Cost of CER accrued till date : 0.90 Cr

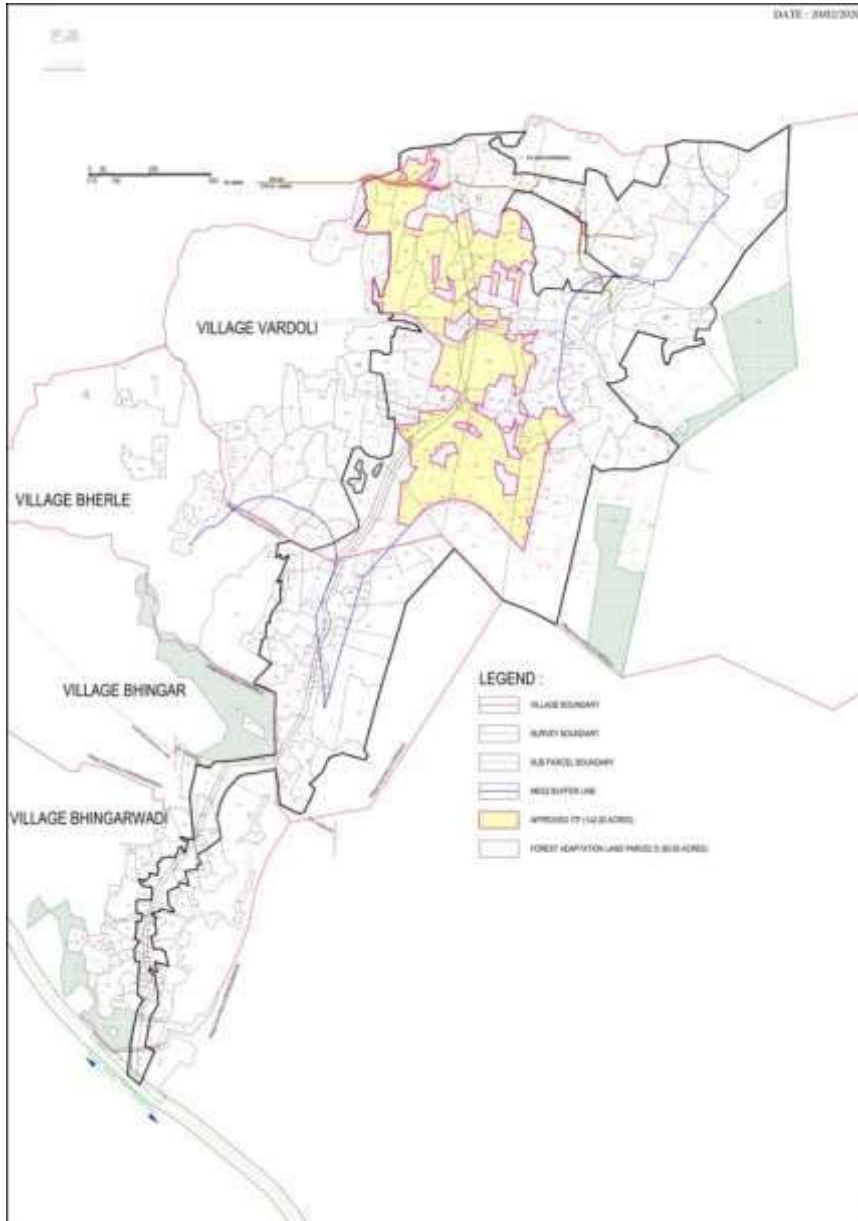
Proposed CER Cost - 9.975 Cr (7.5 Cr green field @ 1% + 2.475 Brown Field 0.75%)

Sr.No.	CER Activity	Details of CER Activity and Place of Implementation	Name/address of implementing agency	Total Duration of the Project : 10 Years										Total	
				2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2025-26	2026-27		
1	Construction of concrete road for village bhangar	Bhangar	Mr. N.G.Gharat	22,25,000											22,25,000
2	Construction of retaining wall at village bhangar	Bhangar,Vardoli	Mr. Dhotre	7,75,000											7,75,000
3	Layof new water pipe line for village bhangar and water pump repair work at village	Bhangar Vardoli	M/s Agree Games Engineering	19,75,000	19,75,000										39,50,120
4	Jobs for underprivileged ladies Self Help Group (Rainbow Services)	Bhangarwadi	WCIPL	7,68,000	12,12,000	12,12,000	12,12,000	12,12,000	13,50,000	13,50,000	13,50,000	13,50,000	13,50,000		123,66,000
5	Forest adaptation at village vardoli,bhangar and bhangarwadi	Vardoli,Bhangar and Bhangarwadi	WCIPL				27,00,000	27,00,000	27,00,000	27,00,000	27,00,000	25,00,000	25,00,000		185,00,000
6	Community programs at village vardoli,bhangar and bhangarwadi	Vardoli,Bhangar and Bhangarwadi	WCIPL	57,000	1,00,000	10,00,000	10,00,000	10,00,000	10,00,000	10,00,000	10,00,000	10,00,000	10,00,000	10,00,000	81,57,000
7	Environmental Projects for Surrounding Villages (Roads, Water Supply, Drainage, Solar lighting)	Vardoli,Bhangar and Bhangarwadi	WCIPL				37,50,000	37,50,000	37,50,000	37,50,000	37,50,000	36,00,000	36,00,000		259,50,000
8	Surrounding Villages (School Repair Student Welfare, Extra Curricular activities)	Vardoli,Bhangar and Bhangarwadi	WCIPL				20,00,000	20,00,000	20,00,000	20,00,000	20,00,000	20,00,000	20,00,000	20,00,000	140,00,000
9	Health related Projects for Surrounding Villages (Immunisation, Blood Donation, Free Eye Checkups)	Vardoli,Bhangar and Bhangarwadi	WCIPL				20,00,000	20,00,000	20,00,000	20,00,000	20,00,000	20,00,000	20,00,000	20,00,000	140,00,000
													Total	999,23,120	

Concrete road in Village Bhingarwadi.




Adoption of depleted forests for rejuvenation; and then handover to Forest Dept.




Sr. No	Village	Forest	Area
		Surevey No.	acres
1	Vardoli	97/3/1	3.80
2		103/2	23.45
3		107/22	22.93
4	Bhingar	26/0	13.42
5	Bhingarwadi	3/0	29.52
		Total	93.12
Application to Forest Dept. dated			26-09-2019

PUC

POLLUTION UNDER CONTROL CERTIFICATE
Issued By: PANVEL
Authorised by Motor Vehicles Department, Maharashtra




TEST RESULT : PASS
VALID TILL : 20/May/2021




DIESEL DRIVEN VEHICLES
Certified that the vehicle conforms to the standards prescribed under rule 115(2) of CMV Rules 1989

FUEL	Light Absorption Coefficient (Permissible Limit)	Measured Value
DIESEL	2.45	0.13334

Certificate No. MHO4601020000095
Registration No. **MH06AL3174**
Chassis No. -1268033
Engine No. 4H-2251/0704185
Class of Vehicle: Excavator (NT)
Make: JCB INDIA LTD
Model: JCB 30X 2WD
EXCAVATOR LOADER
Vehicle Category: OTHER THAN MENTIONED ABOVE
Date of Registration: 16/Jan/2008
Emission Norms: BHARAT STAGE III
Fuel: DIESEL
Date of Testing: 21/Nov/2020

Time of Testing: 11:48:44
Fee Charged: Rs.110.0
Fee Charged: 
(one hundred ten rupees only)

Auto Emission Testing Centre Code: MHO460102
Testing Centre Name: JAI NAA BACHHETAR PUC CENTER
Centre Address: HOUSE NO.704,GHODALWADI,PANVEL,RAIGAD BHOKARPADA,PANVEL,410221
Test Conducted By: SONU KHAN



TEST RESULT FOR DIESEL VEHICLE

	IDLE RPM	MAX RPM	K VALUE	OIL TEMP
TEST 1	750.0	2030.0	0.19	0.0
TEST 2	750.0	1930.0	0.12	0.0
TEST 3	750.0	1960.0	0.09	0.0
AVG	750.0	1973.33334	0.13334	0.0

This is a computer generated certificate and does not require signature
Fuel Norms entered by PUC center MHO460102 manually. Please visit RTD and correct norms



mParivahan

A step to virtualization



[Dashboard](#)

[RC Dashboard](#)

[DL Dashboard](#)

RC

Enter vehicle number to get details



RC number format e.g. DL01ZZ0000, DL1ZZ0000, ABC1, ABC0001



MH46BM1287

2518C/4


Owner Name	VIDYA R GAIKWAD
Registering Authority	PANVEL, Maharashtra
Vehicle Class	Goods Carrier(HGV)
Fuel Type	DIESEL
Vehicle age	0 years and 11 month.

Registration Date	Sep 13, 2019	Fitness Valid UpTo	Sep 04, 2021
Insurance Valid UpTo	Aug 01, 2021	Tax Valid UpTo	Aug 31, 2020
PUCC Valid UpTo	Feb 23, 2021	Permit Valid UpTo	Sep 16, 2024

[My RC](#)

[Shared RC](#)

[Received RC](#)

RC Enter vehicle number to get details 

RC number format e.g. DL01ZZ0000, DL1ZZ0000, ABC1, ABC0001




MH46BM0576
2518C/4

Owner Name	SANJAY B GAIKAR
Registering Authority	PANVEL, Maharashtra
Vehicle Class	Goods Carrier(HGV)
Fuel Type	DIESEL
Vehicle age	1 years and 1 month.

Registration Date	Jul 16, 2019	Fitness Valid UpTo	Jul 08, 2021
Insurance Valid UpTo	Jul 31, 2021	Tax Valid UpTo	Jun 30, 2020
PUC Valid UpTo	Aug 24, 2021	Permit Valid UpTo	Jul 16, 2024

Acknowledgement of plans submitted to local authority-

 CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED (CIN - U99999 MH 1970 SGC - 014574)	
REGD. OFFICE: "NIRMAL", 2nd Floor, Nariman Point, Mumbai - 400 021. PHONE : +91-22-6650 0900 FAX : +91-22-2202 2509	HEAD OFFICE: CIDCO Bhavan, CBD Belapur, Navi Mumbai - 400 021. PHONE : +91-22-6791 8100 FAX : +91-22-6791 8166
Ref. No. : CIDCO/NAINA/Panvel/Vardoli/ITP/BP-236/Amended perm/2019/585/SAP/162	Date : 20/05/2019
To, ✓ M/s Wadhwa Construction and Infrastructure Pvt. Ltd. 301, Platina, 3rd Floor, Plot No. C-59, G-Block, BKC, Bandra (East), Mumbai-400 098.	
Sub: Proposed Integrated Township Project (ITP) on land bearing Survey Numbers 40/1, and others (total 142 in numbers) at Village-Vardoli, Taluka-Panvel, District-Raigad. -Amended Master Layout and building plan approval.	
Ref:	<ol style="list-style-type: none">1. Location Clearance granted by the UDD GoM vide Notification Number TPS. 1714/451/CR-70/15/UD-12, dated 2/12/2015.2. ITP layout approval vide no. CIDCO/NAINA/Panvel/Vardoli/ ITP/BP-236/Layout/2018/1380 dated 13.03.2018.3. Development permission granted by this office vide no. CIDCO/NAINA/Panvel/Vardoli/ITP/BP-236/CC/2018/1649 dated 11.05.20184. NA Measurement map issued by Land Record Office bearing अतितातडी/बिनशेती/मो.रत्न. 411/04.04.2018.5. Letter of Superintending Engineer, Superintending Engineer, M.S.E.D.Co Ltd, Pen Circle, Pen No. SE/PC/Tech/ 00989 dated 29.02.2016, regarding assurance for giving power supply.6. Letter of Addl. Chief Engineer (II), CIDCO vide no. CIDCO/ACE(ii)/2017, dated 18.04.2017, regarding assurance for giving water supply.7. NOC issued for Height clearance of building from AAI, vide No. NAVI/WEST/B/041217/208760, dated 23/05/2017.8. Environment Clearance granted by environment department IA/MH/MIS/64748/2017; F.No. 21-258/2017/IA-III dated 13.10.20179. Fire NOC issued by CFO, CIDCO vide no. CIDCO/FIRE/HQ/864 dated 07.05.201910. Development Charges paid Rs. 6329500.00/- vide receipt no. 690000028/2019 dated 07.05.2019.11. Your application dtd 12.10.2018, 24.10.2018, 22.01.2019, 26.02.2019, 08.05.2019 and 15.05.2019.
Sir/ Madam,	
With reference to your application No Nil, dated 12.10.2018, 24.10.2018, 22.01.2019, 26.02.2019, 08.05.2019 and 15.05.2019 for grant of Amended Master layout approval and amended Commencement Certificate under Section 44 of the Maharashtra Regional and Town Planning Act, 1966 (Mah. XXXVII of 1966), to carry out development work / Building on	
<small>NAINA OFFICE : Tower No.10, 8th Floor, Belapur Railway Station Complex, Sec.10, CBD Belapur, Navi Mumbai - 400 614. Contact No. : Landline : +91-22-6255 0330 • Fax : +91-22-6255 0345 Page 1 of 15</small>	

Amended Master Layout & Building Plan approval letter



CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

(CIN - U99999 MH 1970 SGC - 014574)

REGD. OFFICE:

"NIRMAL", 2nd Floor, Nariman Point,
Mumbai - 400 021.
PHONE : +91-22-6650 0900
FAX : +91-22-2202 2509

HEAD OFFICE:

CIDCO Bhavan, CBD Belapur,
Navi Mumbai - 400 021.
PHONE : +91-22-6791 8100
FAX : +91-22-6791 8166

Ref. No. CIDCO/NAINA/Panvel/Vardoli/ITP/BP-236/Tentative Layout per/2019/1030/SAP/131, 3/10/2019

To,

M/s Wadhwa Construction and Infrastructure Pvt. Ltd.
301, Platina, 3rd Floor, Plot No. C-59, G-Block,
BKC, Bandra (East), Mumbai-400 098.

Sub: Proposed Integrated Township Project (ITP) on land bearing Survey Numbers 40/1,
and others (total 142 in numbers) at Village-Vardoli, Taluka-Panvel, District-Raigad.

- Plotted Layout tentative approval for plot no. RZ-4.

- Ref:
1. Location Clearance granted by the UDD GoM vide Notification Number TPS. 1714/451/CR-70/15/UD-12, dated 2/12/2015.
 2. ITP layout approval vide no. CIDCO/NAINA/Panvel/Vardoli/ ITP/BP-236/Layout/2018/1380 dated 13.03.2018.
 3. Amended Permission of Layout and Building Construction issued by this office for land u/r vide CC no. CIDCO/NAINA/PANVEL/Vardoli/ITP/BP-236/Amended Perm/2019/ 585/SAP/162 dated 20.05.2019.
 4. NA Measurement map issued by Land Record Office bearing अतितातडी/बिनशेती/मो.रं. 411/04.04.2018.
 5. Measurement map issued by DYSLR Office vide no. अतिअतितातडी /बिनशेती /मो. र. नं. ७/२१. ०५. २०१९ (Refer C/6887) dated 23.5.19 for plot no. RZ-4.
 6. Environment Clearance granted by environment department IA/MH/MIS/64748/2017; F.No. 21-258/2017/IA-III dated 13.10.2017
 7. Development Charges paid vide receipt no. 478165 dated 7.12.2017,478562 dated 8.3.2018, 6900000028/2019 dated 07.05.2019.
 8. Your application dtd 31.1.2019,17.6.2019,26.6.2019,28.6.2019,26.9.2019,3.10.2019

Sir/ Madam,

With reference to your application No Nil, dated 31.1.2019,17.6.2019,26.6.2019 & 3.10.2019 for grant of Plotted layout approval under Section 44 of the Maharashtra Regional and Town Planning Act, 1966 (Mah. XXXVII of 1966), to carry out development work on plot/pocket no. RZ-4 of Integrated Township Project on land bearing Survey No. 40/1 & others (total 142 in number) at Village- Vardoli, Taluka- Panvel, Dist.- Raigad, the plotted layout permission vide letter No. CIDCO/NAINA/ Panvel/ Vardoli/ITP/BP-236/ Tentative Layout Per /2019/1030/SAP/131 dt.3/10/2019, as

NAINA OFFICE : Tower No.10, 8th Floor, Belapur Railway Station Complex, Sec.10, CBD Belapur, Navi Mumbai - 400 614.
Contact No. : Landline : +91-22-6255 0330 • Fax : +91-22-6255 0345

Approval letter for RZ-4



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

Lab NABL Accredited - Testing - Chemical Field & Proficiency Testing Provider.

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Tel.: 020 - 25460202, 25460203, 25460023, 25460033. • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS Proposed Amendment of Environmental Clearance of Integrated Township Project, at Vardoli , Panvel Taluka, Raigad Maharashtra by M/s. Wadhwa Construction and Infrastructure Private Limited.	REPORT NO	HS/LAB/WA/05991A-1
	DATED	24/08/2022
	LAB REFERENCE NO	HS/LAB/WA/0570A
	DATE OF SAMPLING	19/08/2022
	DATE OF ANALYSIS	20/08/2022

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Surface Water Sample	The Client	---	Project Site 18°57'27.87" N 73°11'30.84" E

RESULT OF ANALYSIS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS IS: 2296 (1992) for Surface Water Quality (Class E)
01	pH @ 25 °C	---	7.44	6.0-8.5
02	Colour	PtCo	0.70	Not Specified
03	Odour	---	Agreeable	Not Specified
04	Taste	---	Agreeable	Not Specified
05	Total Dissolved Solids	mg/lit	530.00	2100.00
06	Electrical Conductivity @ 25 °C	mS/cm	822.00	2250.00
07	Phenolic Compounds as C ₆ H ₅ OH	mg/lit	NIL	Not Specified
08	Dissolved Oxygen	mg/lit	4.60	Not Specified
09	Biochemical Oxygen Demand @ 27°C for 3 days	mg/lit	10.55	Not Specified
10	Chlorides as Cl-	mg/lit	75.60	600.00
11	Sulphates as SO ₄ --	mg/lit	62.00	1000.00
12	Fluoride as F ⁻	mg/lit	NIL	Not Specified
13	Nitrate as NO ₃	mg/lit	0.60	Not Specified
14	Ammonia as N	mg/lit	0.35	Not Specified
15	Total Hardness as CaCO ₃	mg/lit	230.00	Not Specified
16	Iron as Fe	mg/lit	BDL < 0.01	Not Specified
17	Copper as Cu	mg/lit	BDL < 0.01	Not Specified
18	Manganese as Mn	mg/lit	BDL < 0.01	Not Specified



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

Lab NABL Accredited - Testing - Chemical Field & Proficiency Testing Provider.

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Tel.: 020 - 25460202, 25460203, 25460023, 25460033. • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

19	Boron as B	mg/lit	BDL< 0.01	2.00
20	Sodium Absorption Ratio	---	11.00	26.00
21	Barium as Ba	mg/lit	BDL< 0.01	Not Specified
22	Anionic detergents (as MBAS)	mg/lit	NIL	Not Specified
23	Selenium as Se	mg/lit	BDL< 0.01	Not Specified
24	Chromium as Cr+6	mg/lit	BDL< 0.01	Not Specified
25	Cadmium as Cd	mg/lit	BDL< 0.01	Not Specified
26	Mercury as Hg	mg/lit	BDL< 0.01	Not Specified
27	Arsenic as Ar	mg/lit	BDL< 0.01	Not Specified
28	Cyanide as CN	mg/lit	BDL< 0.01	Not Specified
29	Lead as Pb	mg/lit	BDL< 0.01	Not Specified
30	Zinc as Zn	mg/lit	BDL< 0.01	Not Specified
31	Total Coliform	Org/100ml	70.00	Not Specified

REMARK: As per IS:2296; above water sample is useful for irrigation, industrial cooling and controlled waste disposal purpose.

For **HORIZON SERVICES**

(LAB INCHARGE)



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

Lab NABL Accredited - Testing - Chemical Field & Proficiency Testing Provider.

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Tel.: 020 - 25460202, 25460203, 25460023, 25460033. • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/05991A-2
Proposed Amendment of Environmental Clearance of Integrated Township Project, at Vardoli , Panvel Taluka, Raigad Maharashtra by M/s. Wadhwa Construction and Infrastructure Private Limited.	DATED	24/08/2022
	LAB REFERENCE NO	HS/LAB/WA/0570A
	DATE OF SAMPLING	19/08/2022
	DATE OF ANALYSIS	20/08/2022

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Ground Water Sample	The Client	---	Project Site 18°57'27.87" N 73°11'30.84" E

RESULT OF ANALYSIS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS AS PER IS10500:2018
01	pH @ 25 °C	---	7.52	6.5 – 8.5
02	Temperature	°C	25.5	Not Specified
03	Turbidity	NTU	0.90	< 1.00
04	Electrical Conductivity @ 25 °C	mS/cm	0.700	Not Specified
05	Total Dissolved Solids	mg/lit	454.00	< 500.00
06	Total Suspended Solids	mg/lit	32.00	Not Specified
07	Dissolved Oxygen	mg/lit	3.30	Not Specified
08	Salinity	ppt	1.35	Not Specified
09	Chemical Oxygen Demand	mg/lit	8.40	Not Specified
10	Biochemical Oxygen Demand @ 27°C for 3 days	mg/lit	3.50	Not Specified
11	Chlorides as Cl ⁻	mg/lit	68.40	< 250.00
12	Sulphates as SO ₄ ⁻⁻	mg/lit	45.12	< 200.00
13	Fluoride as F ⁻	mg/lit	NIL	< 1.00
14	Total Alkalinity as CaCO ₃	mg/lit	54.00	< 200.00
15	Nitrate as NO ₃ ⁻	mg/lit	1.52	< 45.00
16	Nitrite as NO ₂ ⁻	mg/lit	0.12	Not Specified
17	Ammonia as NH ₃	mg/lit	0.09	< 0.50
18	Total Phosphate as PO ₄ ⁻	mg/lit	0.42	Not Specified



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19	Magnesium as Mg ⁺⁺	mg/lit	35.10	< 30.00
20	Total Hardness as CaCO ₃	mg/lit	174.00	< 200.00
21	Sodium as Na ⁺⁺	mg/lit	24.00	Not Specified
22	Total Iron as Fe	mg/lit	0.19	Not Specified
23	Copper as Cu	mg/lit	BDL< 0.01	< 0.05
24	Total Chromium as Cr	mg/lit	BDL< 0.01	< 0.05
25	Chromium as Cr ⁺⁶	mg/lit	BDL< 0.01	< 0.10
26	Nickel as Ni	mg/lit	BDL< 0.01	< 0.02
27	Cadmium as Cd	mg/lit	BDL< 0.01	< 0.003
28	Mercury as Hg	mg/lit	BDL< 0.01	< 0.001
29	Arsenic as As (Inorganic)	mg/lit	BDL< 0.01	< 0.01
30	Cyanide as Cn	mg/lit	BDL< 0.01	< 0.05
31	Lead as Pb	mg/lit	BDL< 0.01	< 0.01
32	Zinc as Zn	mg/lit	BDL< 0.01	< 5.00
33	Total Coliform	MPN/100ml	60.00	ABSENT
34	Fecal Coliform	Org/100ml	PRESENT	ABSENT

REMARK: As per IS:10500:2018; above water sample is chemically potable & **bacteriologically unpotable** for drinking purpose, for the parameters tested.

For **HORIZON SERVICES**

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ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS Proposed Amendment of Environmental Clearance of Integrated Township Project, at Vardoli , Panvel Taluka, Raigad Maharashtra by M/s. Wadhwa Construction and Infrastructure Private Limited.	REPORT NO	HS/LAB/WA/05991A-3
	DATED	24/08/2022
	LAB REFERENCE NO	HS/LAB/WA/0570A
	DATE OF SAMPLING	19/08/2022
	DATE OF ANALYSIS	20/08/2022

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Soil Sample	The Client	----	Project Site 18°57'27.87" N 73°11'30.84" E

RESULT OF ANALYSIS

SR. NO	DESCRIPTION	UNIT	RESULT	Standard as per Ministry of Agriculture 2011	TEST METHOD REFERENCE
01	pH @ 25 °C	---	8.23	< 8.5	IS 2720 (Part 26) 1987
02	Colour	---	Light Brown	Not Specified	Ministry of Agriculture 2011
03	Texture	---	Sandy loam	Not Specified	Ministry of Agriculture 2011
03a	Sand	%	19.00	Not Specified	Ministry of Agriculture 2011
03b	Slit	%	29.00	Not Specified	Ministry of Agriculture 2011
03c	Clay	%	52.00	Not Specified	Ministry of Agriculture 2011
04	Electric Conductance @ 25 °C	mS/cm	0.574	0.15 – 0.65	IS 14767:2000
05	Total Organic Matter	%	0.62	0.5 – 0.75	IS 2720 (Part XXII) 1972
06	Bulk Density	g/cm ³	1.40	Not Specified	Ministry of Agriculture 2011
07	Porosity	%	48.00	Not Specified	Ministry of Agriculture 2011
08	Sodium Adsorption Ratio (SAR)	---	3.51	10-18	Ministry of Agriculture 2011
09	Available Nitrogen as N	kg/ha	62.00	280 - 560	SOP NO: HS/ NABL/ SOIL/3A
10	Available Potassium as K ⁺⁺	Kg/ha	146.50	Not Specified	Ministry of Agriculture 2011



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11	Available Sodium as Na ⁺⁺	%	0.0405	Not Specified	Ministry of Agriculture 2011
12	Exchangeable Calcium as Ca ⁺⁺	mg/kg	534.00	< 400.00	SOP NO: HS/ NABL/ SOIL/4
13	Exchangeable Magnesium as Mg ⁺⁺	mg/kg	288.00	< 240.00	SOP NO: HS/ NABL/ SOIL/5
14	Available Phosphorus as P	kg/ha	3.45	10- 24.60	SOP NO: HS/ NABL/ SOIL/8
15	Cation Exchange Capacity	meq/100gm	736.00	Not Specified	Soil Manual – Ministry of Agriculture 2011 Method No. 4.6.3.3 PP-74

REMARK: Avai. Phosphorous, Avai. Nitrogen & SAR are below while Calcium & Magnesium are exceeding the limit as per specified by Ministry of Agriculture 2011.

For **HORIZON SERVICES**

(LAB INCHARGE)