

Date: 18.06.2024

To,  
**Ministry of Environment, Forest & Climate Change,**  
Regional office (WCZ),  
Ground Floor E wing,  
New Secretariat Building, Civil Line,  
Nagpur 440 001.

**Sub: Submission of Compliance Report for Proposed Residential Project with MMRDA rental housing Scheme at CS No. 148/1, 150/1, 155/1, 155/2, 156, 157, 158/1, 159, 160/4, 160/5, 161/2, 181/2A, 182 of village Sheel, Taluka & district- Thane.**

**Ref:** 1.Environmental Clearance Letter no. SEAC-2010/CR.161/TC-2 dated. 08.08.2012.  
2. Amendment in Environmental Clearance Letter no. SEAC-2010/CR.161/TC-2 dated. 17.10.2014.  
3. Amendment in Environmental Clearance Letter No. SEIAA-EC-0000000595 dated 10.01.2019.

Dear Sir,

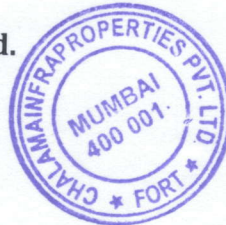
This is with reference to Environmental Clearance Letter no. SEAC-2010/CR.161/TC-2 dated. 08.08.2012; Amendment in Environmental Clearance Letter no. SEAC-2010/CR.161/TC-2 dated 17.10.2014 and Amendment in Environmental Clearance Letter No. SEIAA-EC-0000000595 dated 10.01.2019.

We are enclosing here with the detailed Compliance report (from October 2023 to March 2024) along with duly filled data sheet.

Thanking you,  
Yours faithfully

**For Chalama Infraproperties Pvt. Ltd.**

**Authorized Signatory**



**Enclosed:** Copy Compliance Report for the period of October 2023 to March 2024.

**Cc:**

1. Regional Office, MPCB, Thane
2. Environment Department, Mantralaya, Mumbai

# COMPLIANCE REPORT

PERIOD  
(OCTOBER 2023 TO MARCH 2024)

For

## PROPOSED RESIDENTIAL PROJECT WITH MMRDA RENTAL HOUSING SCHEME

ENVIRONMENTAL CLEARANCE NO. SEAC-2010/CR.161/TC-2 DT. 08.08.2012  
AMENDMENT IN EC SEAC-2010/CR.161/TC-2 dated 17.10.2014  
AMENDMENT IN EC SEIAA-EC-0000000595 dated 10.01.2019

*Proposed By*

**CHALAMA INFRAPROPERTIES  
PVT. LTD.**

## Project Details

Sr. No.	Particulars	Details
1	Project type :River- valley/mining /Industry/Thermal/Nuclear/other (specify)	Construction Project
2	Name of the Project	Proposed Residential Project with MMRDA Rental Housing Scheme
3	Clearance letter(s)/OM and Date	<ul style="list-style-type: none"> <li>ENVIRONMENTAL CLEARANCE NO. SEAC-2010/CR.161/TC-2 DT. 08.08.2012</li> <li>AMENDMENT IN EC SEAC- 2010/CR.161/TC-2 dated 17.10.2014</li> <li>AMENDMENT IN EC SEIAA-EC- 0000000595 dated 10.01.2019</li> </ul>
4	Location	S No. 148/1, 150/1, 155/1, 155/2, 156, 157, 158/1, 159, 160/4, 160/5, 161/2, 181/2A (pt), 182 of village Sheel, Taluka & district- Thane.
	a) District(s)	Thane
	b) State(s)	Maharashtra
	c) Latitude/Longitude	19° 09' 14.46" N 73° 02' 10.33" E
5	Address of correspondence	
	a) address of concerned Project Chief Executive (with pin code & telephone/telex/fax numbers)	Mr. Deepak Goradia <b>M/s. Chalama Infraproperties Pvt. Ltd.</b> Lawrence & Mayo House, 1st Floor, 276, Dr. D. N Road, Fort, Mumbai – 400001.
	b) Address of Executive Project Engineer /Manager (with pin code/fax numbers)	Same as above
6	Salient features	
	a) of the Project	The project comprises of 14 Residential Buildings (Sale), 2 MMRDA Buildings, 1 Commercial Building and Club House.
	b) of the Environmental Management Plan	Sewage Treatment Plant, Storm water drainage, Rain Water Harvesting and Solid waste management details are given in Annexure
7	Break- up of the project area	
	a) submergence area : forest & non-forest	NA

	b) Others	Plot area: 86,110 m <sup>2</sup> FSI area: 1,50,159.60 m <sup>2</sup> Total Construction Area: 3,28,554.58 m <sup>2</sup>	
8	Break up of the project affected population with enumeration of those losing houses/dwelling unit only agricultural land only, both dwelling units & agricultural land & landless laborers/		
	a) SC, ST / Adivasis	N.A.	
	b) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey carried out gives details and years of survey)	N.A.	
9	Financial details:		
	a) Project cost as originally planned and subsequent revised estimates and the year of price reference	Project cost : Rs. 228.72 Cr.	
	b) Allocation made for environmental management plans with item wise and year wise break-up	Capital Cost (Lakhs)	Rs. 1050 LAKHS
		Operation & Maintenance Cost (Lakhs/y)	Rs. 211 Lakh/year
	c) Benefit cost ratio/Internal rated of Return and the year of assessment	N.A.	
	d) Whether (c) includes the cost of environmental management as shown in the above	N.A.	
	e) Actual expenditure incurred on the environmental management plans so far	N.A.	
10	Forest land requirement	No Forest Land Required.	
	a) The status of approval for diversion of forest land for non-forestry use	N.A.	
	b) The status of clearing felling	N.A.	
	c) The status of compensatory	N.A.	
	d) afforestation, if any	N.A.	
	e) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far	N.A.	
11	The status of clear felling in non-forest area (such as submergence area of reservoir, approach roads), if any with quantitative information	N.A.	
12	Status of construction		
	a) Date commencement (Actual and/or planned)	March 2013	

	b) Date of completion (Actual and/or planned)	
13	Reasons for the delay if the project is yet to start	NA
14	Dates of site visits	
	a) The dates on which the project was monitored by the Regional office on previous occasions, if any	Site not yet visited by official of MoEF Regional Office, Nagpur.
	b) Date of site visit for this monitoring report	Not yet finalized.
15	Details of correspondence with project authorities for obtaining action plans/information on status of compliance to safeguards other than the routine letters for logistic support for site visits) (The first monitoring report may contain the details of all the letters issued so far, but the later reports may cover only the letters issued subsequently)	<ul style="list-style-type: none"> <li>• ENVIRONMENTAL CLEARANCE NO. SEAC-2010/CR.161/TC-2 DT. 08.08.2012</li> <li>• AMENDMENT IN EC SEAC-2010/CR.161/TC-2 dated 17.10.2014</li> <li>• AMENDMENT IN EC SEIAA-EC-0000000595 dated 10.01.2019.</li> </ul> <p>SEIAA, received from Government of Maharashtra.</p>



**Present Status of Proposed Residential Project at village  
Shil, Taluka and District - Thane, Maharashtra.**

- MMRDA: - 2 Buildings work completed
- Sale buildings: Total 11 nos buildings work completed.
- Plot E tower 1 – Podium slab completed.
- Plot E tower 2 – A wing – 29<sup>st</sup> floor slab completed
- Plot E tower 2 – B wing – 29<sup>st</sup> floor slab completed
- Plot E tower 3 – A wing – 29<sup>st</sup> floor slab completed
- Plot E tower 3 – B wing - 29<sup>st</sup> floor slab completed
- Clubhouse – completed.
- Clubhouse – completed.

**Compliance to Environmental Clearance Letter No. SEIAA-EC-0000000595  
Dated 10.01.2019.**

<b>SPECIFIC CONDITIONS</b>		
	<b>Conditions</b>	<b>Compliance</b>
I.	PP to explore the option of Roof top PV panels for energy saving	Partially complied.
II.	1209 KLD excess treated water should be used in construction area, gardening & flushing.	Treated water we are using for gardening and flushing purposes. We will also explore the possibility regarding utilization of excess treated water for construction purpose.
III.	PP to submit complete design of storm water drain with contour maps.	Detailed design of SWD with contour map is already submitted to SEIAA during the meeting.
IV.	PP to ensure that, STP is with 40% ventilation	We have kept 40% ventilation to STP provided on site.
V.	PP to provide 10,000 cloths bag as one of the CER activity	We will provide 10,000 cloths bags in due course of time.
VI.	SEIAA decided to grant EC for : FSI area:138483.90 m <sup>2</sup> , Non FSI area: 66774.91 m <sup>2</sup> & Total BUA: 2,05,258.81 m <sup>2</sup>	We agree.
<b>GENERAL CONDITIONS</b>		
(i)	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	This being residential project hence, only household E-Waste will generate out of the project and the same will be handed over to MPCB authorized vendor.
(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.	We have received the Water NOC and Sewer NOC from Thane Municipal Corporation.

(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.	The project does not attract clearance from NBWL.
(iv)	PP has to abide by the conditions stipulated by SEAC& SEIAA	Yes. We agree.
(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 before approving layout plan & before according commencement certificate to proposed work. ULB should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	The TMC has approved the plan as per local norms



(vi)	<p>“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 was obtained vide letter no. MPCB/HQ/ROHQ/Thane/CE/CC/138 dated 18.01.2012.</p> <p>Amendment in consent to establish vide letter no. format 1.0/BO/CAC-cell/TN-5993-15/ CE/CAC-7888 dated 16.06.2016.</p> <p>Consent to Establish (Expansion) vide letter no Format1.0/CC/UAN No.0000177878/CE/2401001234 dated 09.01.2024.</p> <p>Consent to Operate vide letter no Format1.0/CC/UAN No.0000177878 /CE/2401001234 dated 09.01.2024</p> <p>from the Maharashtra Pollution Control Board.</p>
(vii)	<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>An adequate sanitary and hygienic measure has been provided.</p> <p>Shelters, Drinking water, clean spaces and fuel for cooking, Solid waste disposal bins and toilets are provided at site. These are maintained in clean and operative condition for complete period of construction.</p>
(viii)	<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>Separate water connection from TMC has been taken for drinking water. The waste generated from the labour camps is mostly household waste which is collected and disposed off in municipal bins.</p>

(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	The Solid waste is segregated at source. The biodegradable waste is treated by Mechanical Composting Method. The recyclable wastes are given to Authorized vendor. The inert/non-biodegradable waste is disposed in Municipal Solid waste Management facility. The treated waste shall be utilized in premises for gardening and landscaping.
(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 approval sites with the approval of competent authority.	All safety precautions have been taken on the site. The safety nets, barricading to plot boundary, water spraying at source of dust and noise pollution mitigation measures are taken. The construction waste is disposed as per TMC's guidelines. The construction waste is disposed at site for land leveling and paving.
(xi)	Arrangement shall be made that waste water and storm water do not get mixed.	The Storm water drains and sewer lines are separately provided on site. This arrangement shall ensure that storm water and sewage will not mix.
(xii)	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	During construction phase the construction activities involve excavation and land filling which adversely affects the soil erosion. To avoid this, top layer of soil is stored and reused for the development of green belt.
(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.	Natural drainage system of area is not disturbed. The construction is done by taking advantage of natural contour.

(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.	Partly landscape is developed. The landscape has been developed considering CPCB guidelines including selection of plant species. The tree species which planted are of local variety.  140 No of trees planted till date on site.
(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.	The soil sample and drinking water sample from the project site is tested from MoEF recognized laboratory.  The monitoring reports are attached
(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 hazardous wastes are not expected to be generated in this activity. However, the disposal of the same shall be done as per CPCB /MPCB norms applicable to hazardous waste.
(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.	Project being residential Estate, no hazardous waste is expected during construction and operation phase.
(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.	The D. G. sets are enclosed type and as per CPCB norms.  400KVA, 320kVA, 500kVA and 200kVA DG sets are provided for completed buildings.  DG set of 200 kVA is provided on site for construction purpose.
(xix)	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	The diesel is procured as and when required.  No storage of diesel on site.

(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.	Regular maintenance of construction vehicles are carried out to keep them in good condition. The vehicles having PUC certificate is used. Copy of PUC certificate is attached in Annexure.  Adequate parking space is made available for construction vehicles inside the construction premises to lessen the impacts on traffic in surrounding areas
(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 are monitored regularly from MoEF recognized laboratory.  The monitoring reports are attached.
(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 27 <sup>th</sup> August, 2003. (The above condition is applicable only if the project site is located within the 100 km of Thermal Power Stations).	Fly ash containing bricks (AAC Type) are used for construction.
(xxiii)	Ready mixed concrete must be used in building construction.	Around 902 m <sup>3</sup> Ready mix concrete is used for building construction.
(xxiv)	Storm water control and its re-use as per CGWB and BIS standards for various applications.	The provision of Roof top rain water harvesting through collection tank is made. The overflow of the tank is connected to the Municipal Storm Water drains. The Storm water drains are constructed as per TMC's approval.

(xxv)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Complying the same by use of pre-mixed concrete, curing agents and other best practices in NBC.
(xxvi)	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	<p>There is no source of ground water, so quality of ground water sample is not tested. Drinking water sample from MoEF recognized laboratory. As mostly municipal supply is used.</p> <p>The monitoring reports are attached.</p>
(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.	<p>STP of 750 KLD day has been provided on site. The PP will obtain the certificate from an independent expert and a report in this regard will be submitted to the Ministry.</p> <p>The dual plumbing system has been provided at site to recycle the treated water for flushing purpose.</p> <p>The plant is designed as per standards prescribed by Maharashtra Pollution Control Board.</p>
(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.	We are not using the ground water in 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.	Instead of the grey and black water separation we have made the provision of STP. Dual plumbing lines are used for recycled water and fresh 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.	A water efficient sanitary feature includes showers, low flush, dual cisterns are provided for completed building.
(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.	The use of glass is less than 40%
(xxxii)	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Roof is as per the prescriptive requirement specified in Energy Conservation Building Code Roofing material: Total 8" thick (Slab + 2" Brick bat Coba + China Chips flooring)
(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.	98 nos. of solar PV panels are installed on site.



(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.	During operation phase the provision of DG Sets shall be as per EPA-1986 as well as, guidelines for DG Set installation shall be followed.  All DG Sets shall be with acoustic enclosures and will be using low Sulphur diesel. The stack heights shall be as per MPCB prescribed norms.
(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.	The barricading has been provided at site. The noise levels & ambient air monitoring results are well within the limits.
(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.	Entry & exit to the proposed project are located in such way that it won't affect traffic on the adjoining roads. Also sufficient parking is provided.
(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.	The buildings are not air-conditioned, these are Residential buildings hence ECBC code is not applicable in the instant case. However, we have used 6" AAC blocks (Autoclaved Aerated Concrete Blocks) and additional 2" of plaster resulting in the U value of 0.56 w/m <sup>2</sup> °K for the effective insulation against the Heat gain.
(xxxviii)	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.

(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.	The Regular supervision is carried out by the project in-charge and supervisors are trained in Environmental Management measures.
(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.	We have obtained environmental clearance and after obtaining environmental clearance we have started the construction work.
(xli)	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.	The six-monthly Compliance monitoring reports to Regional Office, MoEF, Env. Dept. Govt. of Maharashtra and MPCB has been submitted.
(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.	Yes we agree.
(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.	We have already installed OWC on site to treat wet waste.

(xliv)	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Yes we agree.
(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 documents to MPCB accordingly MPCB has granted Consent.
(xlvi)	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Yes we agree.
(xlvii)	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards	Yes we agree.
(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.	Yes we agree.
(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 <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a>	We have given advertisement in local newspapers. Copy attached as Annexure.

(i)	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 <sup>st</sup> June & 1 <sup>st</sup> December of each calendar year.	We are complying with the same.
(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.	We have uploaded the EC on our web site.
(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 <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain	We are complying with the same.
(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.	Yes we are complying with the same.

(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.	We will submit.
(xxxix)	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 DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	During operation phase the provision of DG Sets shall be as per EPA-1986 as well as, guidelines for DG Set installation shall be followed.  All DG Sets shall be with acoustic enclosures and will be using low Sulphur diesel. The stack heights shall be as per MPCB prescribed norms.
(xl)	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 barricading has been provided at site. The noise levels & ambient air monitoring results are well within the limits.
(xli)	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 won't affect traffic on the adjoining roads. Also sufficient parking is provided.

(xlii)	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 inspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	The buildings are not air-conditioned, these are Residential buildings hence ECBC code is not applicable in the instant case. However, we have used 6" AAC blocks (Autoclaved Aerated Concrete Blocks) and additional 2" of plaster resulting in the U value of 0.56 w/m <sup>2</sup> K for the effective insulation against the Heat gain.
(xliii)	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.
(xliv)	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.	The Regular supervision is carried out by the project in-charge and supervisors are trained in Environmental Management measures.
(xlv)	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 and after obtaining environmental clearance we have started the construction work.
(xlvi)	Six monthly monitoring reports should be submitted to the Department and MPCB.	The six-monthly Compliance monitoring reports to Regional Office, MoEF, Env. Dept. Govt. of Maharashtra and MPCB has been submitted.
(xlvii)	A complete set of all the documents submitted to Department should be forwarded to the MPCB.	We have submitted all the project details and plans to MPCB while applying to Consent to Establish
(xlviii)	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Noted and will be complied



(xlix)	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	At present project head himself is managing environment issues. However, the Cell shall be formed and it shall be responsible for necessary environmental safeguards.
(l)	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.	The funds for implementation of environmental protection measures/EMP are provided as per planned requirement.  Expenditure on EMP is being done as planned. However, year-wise expenditure was not submitted to MPCB & Env. Dept. as the project is still under progress. All the environmental infrastructure like STP, Rainwater harvesting and Solar hot water system will be installed for the constructed buildings
(li)	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://envis.maharashtra.gov.in">http://envis.maharashtra.gov.in</a>	Copy of the newspaper advertisement is attached
(lii)	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 <sup>st</sup> June & 1 <sup>st</sup> December of each calendar year.	We have submitted the half yearly compliance reports to Environment Department Mantralaya, Regional office MPCB, RO MPCB & MoEF Nagpur.

(liii)	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.	Noted. The copy of clearance letter is submitted to municipal corporation.
(liv)	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (Ambient level as well as stack emissions) or critical sectoral 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.	Six monthly reports regarding the status of compliance of EC conditions and monitoring reports are regularly sent to Regional Office of MoEF, MPCB and Environment Department
(lv)	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.	Six monthly reports regarding the status of compliance of EC conditions are regularly sent to Regional Office of MoEF, MPCB and Environment Department

(lvi)	The environmental statement for each financial year ending 31 <sup>st</sup> 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 Officers of MoEF by e-mail.	Six monthly reports regarding the status of compliance of EC conditions are regularly sent to all mandated authorities.
4.	The environmental clearance is being issued without prejudice to the 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 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	We understand the issue and shall be abided accordingly
5.	In case of submission of false document and non compliance of stipulated conditions, Authority/ Environment department will revoke or suspend the environmental clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	We understand the issue and shall be abided accordingly
6.	The Environmental 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.	We agree

7.	<b>Validity of Environment Clearance:</b> The environmental clearance accorded shall be valid for a period of 5 years.	Noted
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	There is no deviation or alteration in the project.
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.	N.A
10.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, van Vigyan Bhawan, Sec-5 R.K. Puram, New Delhi- 110 022, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	N.A.

## **Annexure – I**

### **SOLID WASTE MANAGEMENT PLAN FOR PHASE I OF PROJECT**

- Wet Garbage: 3,185 kg/day.
- Dry Garbage: 4,778 kg/day.
- The biodegradable and non-biodegradable waste is segregated at source of waste generation. Then this is separately disposed in municipal waste disposal system.
- Biodegradable garbage is composted using organic waste converter.

**ANNEXURE II**

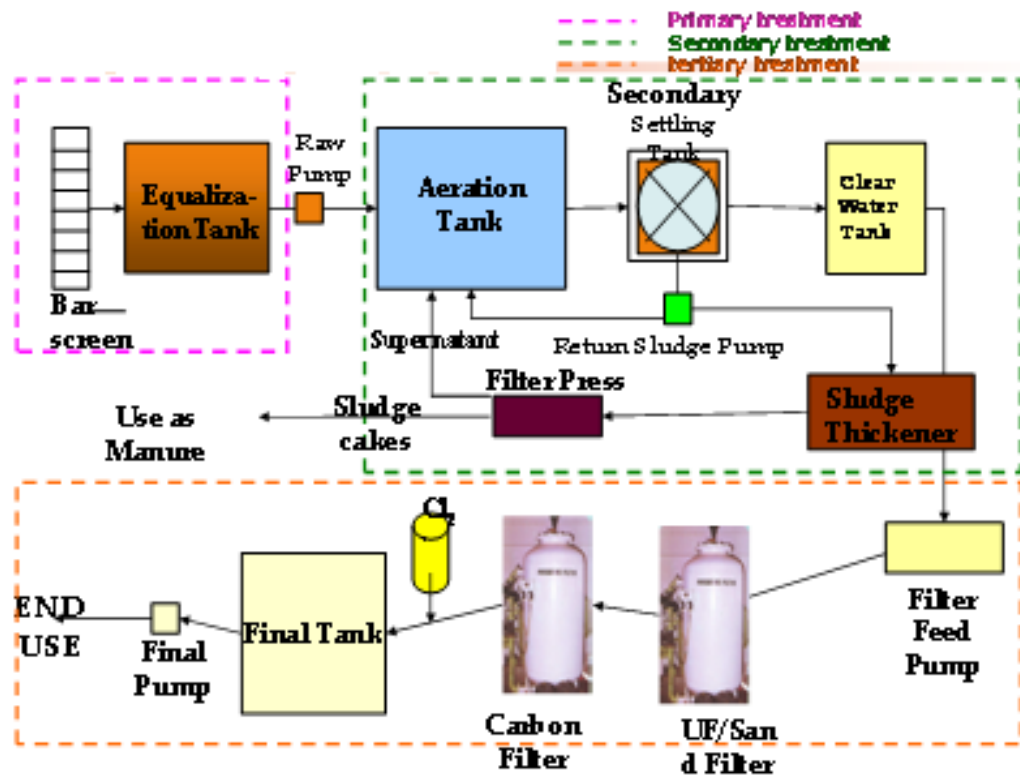
**SEWAGE TREATMENT PLANT**

**STP UNITS**

<b>Name of the Unit</b>	<b>Purpose</b>
Bar Screen Chamber	For removing unwanted floating materials
Equalization Tank	To even out the flow variations, and continuous uniform mixing operations with coarse bubble.
Aeration Tank	Activated Sludge Process For developing the bacterial culture, which stabilizes the waste aerators.
Secondary clarifier/Plate settler	To separate out the solids from the treated sewage, And to separate clear supernatant water, Clarifloculator has been proposed with flash mixer to add coagulant to allow more settlement of fine particles.
Pre- Filtration Tank	To collect the supernatant clear water from the settling tank for further treatment.
Filter Press	A Sludge holding tank has been provided with filter press for dewatering sludge. Sludge cakes shall be used as manure.
Pressure Sand Filter	To filter out minute suspended solids if any in the treated water.
Activated Carbon Filter	To remove color and Odor if any in the filtered water.
Final holding tank	To collect the final treated water from the outlet of Activated carbon filter for reuse



## STP FLOW SHEET



### **ANNEXURE III**

#### **WATER BUDGET FOR PHASE I OF PROJECT**

<b>Water Demand</b>	<b>Quantity</b>	<b>Unit</b>
Water consumption	2148	m <sup>3</sup> /day
Sewage generation	2005	m <sup>3</sup> /day
STP capacity	2430	m <sup>3</sup> /day
Treated water is recycled & used for flushing	717	m <sup>3</sup> /day
Treated water used for gardening	59	m <sup>3</sup> /day

**ANNEXURE IV****ENVIRONMENTAL MANAGEMENT PLAN  
DURING CONSTRUCTION PHASE**

<b>Sr. No.</b>	<b>Environmental Components</b>	<b>Predicted Impacts</b>	<b>Probable source of Impact</b>	<b>Mitigation Measures</b>	<b>Remarks</b>
<b>CONSTRUCTION PHASE</b>					
1.	Ambient Air Quality	Negative impact inside construction site premises. No negative impact outside site.	Dust emissions from excavation, air emissions from machinery and other construction activities at site.	Dust reduction measures such as road watering. Periodic maintenance of construction equipment. Use of good quality fuels. Use of Personal Protective Equipments	Impacts are temporary during construction phase. Impacts are confined to short distances, as coarse particles will settle within the short distance from activities.
2.	Noise	Negative impact near noise generation sources inside premises. No significant impact on ambient noise levels in the surrounding area.	Noise generated from construction activities and operation of construction equipment and DG sets	Use of well-maintained equipment. Heavy construction activity limited to day-time hours only. Use of noise mufflers in and construction vehicle. Use of earplugs/muffs by construction staff.	Temporary impacts during construction phase. No blasting or other high noise activities envisaged.
3.	Water	No significant negative impact.	Surface runoff from project site. Oil/fuel and waste spills. Improper debris disposal. Discharge of sewage from labour camp.	Silt fences to reduce runoff Secondary containment and dykes in material storage areas. Sewage treatment in septic tanks.	Labour employed to reduce size of labour camps. No perennial surface water resource adjacent to site.
4.	Land	Minor negative impact	Excavation, Construction debris, waste from labour camp.	Reutilization and recycling of construction debris Waste from labour camps are collected and composted on site. Non compostable waste is	-

				transported to landfill site. Topsoil is conserved and used for landscaping in functional phase.	
5.	Aesthetics	Minor negative impacts	Construction activities and Excavation	The impacts are compensated by extensive tree plantation and gardening in the use phase.	Short term impact restricted only in the initial stages of construction.

## ANNEXURE V

### ADVERTISEMENT FREE PRESS JOURNAL DTD 03-09-2020

#### **"CHALAMA INFRAPROPERTIES PVT. LTD."**

Our proposed Environmental Clearance for Residential Project at plot bearing S. No. -181/2G, 181/2H, 181/2D, 156/3 at Village-Shill, Taluka & District-Thane, Maharashtra was accorded the Environmental Clearance from the Department of Environment, Government of Maharashtra.

The copy of the Environmental clearance letter is available with Maharashtra Pollution Control Board web site at [www.ecmpcb.in](http://www.ecmpcb.in)

#### **NAVASHAKTI DTD 03-09-2020**

#### **"चलामा इन्फ्राप्रॉपर्टीज प्रा. लि."**

आमच्या प्रस्तावित सर्वे नं. 181 / 2जी, 181 / 2एच, 181 / 2डी, 156 / 3 शील गांव, तालुका व जिल्हा-ठाणे, महाराष्ट्र येथील रहिवासी प्रकल्पाला पर्यावरण विभाग महाराष्ट्र शासन मुंबई, यांच्या कडून पर्यावरण विषयक मंजूरी देण्यात आली आहे.

सदर पर्यावरण विषयक मंजूरीची प्रत महाराष्ट्र प्रदूषण नियंत्रण मंडळ यांच्या [www.ecmpcb.in](http://www.ecmpcb.in) या संकेतस्थळावर उपलब्ध आहे.

**ANNEXURE VI****EMP COST**

<b>Component</b>	<b>Capital Cost (Rs. In Lakhs)</b>	<b>O &amp; M Cost (Rs. In Lakhs/Year)</b>
STP (Tertiary)	486	97
Solar System	150	8
Rainwater harvesting	104	5
Solid Waste Composting plant	200	80
Landscape	110	17
Environmental monitoring	-	4
<b>Total Cost</b>	<b>1050</b>	<b>211</b>



## ANNEXURE VII SITE PHOTOGRAPHS

**Tower 1**



**SOLAR PV PANNEL Jade Bldg**



**JADE-A WING -47 NOS**







**JADE B WING -48 NOS**







**Solar Panels**  
Onyx A & B wing  
128 nos





<p><b>WORKERS TOILET</b></p>	
<p><b>DRINKING WATER FACILITY</b></p>	
<p><b>OWC- CAPACITY</b></p>	<div data-bbox="516 1094 867 1472">  </div> <div data-bbox="964 1094 1330 1472">  </div> <div data-bbox="660 1535 883 1871">  </div> <div data-bbox="915 1535 1143 1871">  </div>

STP CIVIL WORK COMPLETED		
		



<b>TEMPORARY SUPPLY DG SET-200KVA</b>	 A photograph of a temporary supply diesel generator (DG) set. It consists of two large white metal cabinets with green horizontal stripes and the 'KCEL' logo. The units are situated outdoors under a dark, corrugated metal roof. In the background, a multi-story residential building is visible. A timestamp '2018.06.16 15:34' is in the bottom right corner.
<b>BUILDING 320 KVA</b>	 A photograph of a large white metal DG set with green stripes and the 'KCEL' logo. It is enclosed behind a silver metal mesh fence. The unit is located outdoors near a building.
<b>400 KVA</b>	 A photograph of a large white metal DG set with green stripes and the 'KCEL' logo, viewed from a slightly different angle than the previous one. It is also enclosed behind a metal mesh fence.
<b>500kVA</b>	 A photograph showing two large white metal DG sets with green stripes and the 'KCEL' logo. They are both enclosed behind metal mesh fences. The setting is outdoors with a building in the background.

<p><b>FIRE FIGHTING PROVISION</b></p>		
<p><b>SWD</b></p>		

HEALTH CHECK UP		
	<b><u>SUMMARY OF MEDICAL CHECK UP</u></b>	
	<b><u>SITE :- DOSTI PLANET NORTH</u></b>	<b><u>PERIOD : FROM OCT-23 TO MARCH-24</u></b>
	<b>SR NO</b>	<b>TOTAL NOS OF LABOURS BEEN EXAMINED</b>
	1	409
	2	366
	3	511
	4	447
	5	465
	6	463
	<b>TOTAL LABOUR</b>	<b>2661</b>
 		

## PUC CERTIFICATES

**Pollution Under Control Certificate**  
 Form 59  
 (See rules 115 (2))

Authorised by  
 Government of Maharashtra

Date: 12/12/2023  
 Time: 12:50:42 PM  
 Validity upto: 11/06/2024

Vehicle St. No. : MH00400630008621  
 Registration No. : MH00400630008621  
 Date of Registration : 08/Dec/2014  
 Month & Year of Manufacturing : October 2014  
 Valid Mobile Number : \*\*\*\*1700  
 Emission Norms : BHARAT STAGE III  
 Fuel : DIESEL  
 PUC Code : MH0040063  
 GSTIN :  
 Fee : Rs. 150.00  
 (GST to be paid extra as applicable)  
 MIL observation : No

Vehicle Photo with Registration plate  
 60 mm x 30 mm

Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	Carbon Monoxide (CO)	percentage (%)		
2	Hydrocarbon, (THC/HC)	ppm		
3	CO	percentage (%)		
4	RPM		2500 ± 200	
5	Lambda		1 ± 0.03	
6	Light absorption coefficient	1/metre	2.45	0.65

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

**Pollution Under Control Certificate**  
 Form 59  
 (See rules 115 (2))

Authorised by  
 Government of Maharashtra

Date: 12/01/2024  
 Time: 12:31:37 PM  
 Validity upto: 11/07/2024

Vehicle St. No. : MH00400630008958  
 Registration No. : MH040C4914  
 Date of Registration : 26/Jun/2013  
 Month & Year of Manufacturing : May 2013  
 Valid Mobile Number : \*\*\*\*1700  
 Emission Norms : BHARAT STAGE III  
 Fuel : DIESEL  
 PUC Code : MH0040063  
 GSTIN :  
 Fee : Rs. 150.0  
 (GST to be paid extra as applicable)  
 MIL observation : No

Vehicle Photo with Registration plate  
 60 mm x 30 mm

Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	Carbon Monoxide (CO)	percentage (%)		
2	Hydrocarbon, (THC/HC)	ppm		
3	CO	percentage (%)		
4	RPM		2500 ± 200	
5	Lambda		1 ± 0.03	
6	Light absorption coefficient	1/metre	2.45	0.49

This PUC certificate is system generated through the national register of Motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator  
 60mm x 30 mm



Form 59  
(See rules 115 (2))

**Pollution Under Control Certificate**  
Authorized By:  
Government of Maharashtra

Date: 12/12/2023  
Time: 12:51:51 PM  
Validity upto: 11/06/2024

Certificate No.: MH00400830008622  
Registration No.: MH04G81209  
Date of Registration: 30/Oct/2014  
Month & Year of Manufacturing: June-2014  
Valid Mobile Number: \*\*\*\*\*1709  
Emission Norms: BHARAT STAGE III  
Fuel: DIESEL  
PUC Code: MH0040083  
GSTIN: -  
Fees: Rs.150.00  
(GST to be paid extra as applicable)  
ML observation: No

Vehicle Photo with Registration plate  
60 mm x 30 mm

Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	Carbon Monoxide (CO)	percentage (%)		
Idling Emissions	Hydrocarbon, (THC/HC)	ppm		
	CO	percentage (%)		
High Idling emissions	RPM	RPM	2500 ± 200	
	Lambda	=	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.54

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note: 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorized Signature with stamp of PUC operator  
60mm x 20 mm

Form 59  
(See rules 115 (2))

**Pollution Under Control Certificate**  
Authorized By:  
Government of Maharashtra

Date: 12/12/2023  
Time: 12:52:43 PM  
Validity upto: 11/06/2024

Certificate No.: MH00400830008623  
Registration No.: MH04G81209  
Date of Registration: 26/Jun/2013  
Month & Year of Manufacturing: May-2013  
Valid Mobile Number: \*\*\*\*\*1709  
Emission Norms: BHARAT STAGE III  
Fuel: DIESEL  
PUC Code: MH0040083  
GSTIN: -  
Fees: Rs.150.00  
(GST to be paid extra as applicable)  
ML observation: No

Vehicle Photo with Registration plate  
60 mm x 30 mm

Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	Carbon Monoxide (CO)	percentage (%)		
Idling Emissions	Hydrocarbon, (THC/HC)	ppm		
	CO	percentage (%)		
High Idling emissions	RPM	RPM	2500 ± 200	
	Lambda	=	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.39

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note: 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorized Signature with stamp of PUC operator  
60mm x 20 mm



Netel (India) Limited

## ANALYSIS REPORT FOR AMBIENT AIR QUALITY

Name of the Client:			Report Date			: 29.01.2024
			Report No			: NIL/OT/01/24/142
CHALAMA INFRAPROPERTIES PVT. LTD.  RESIDENTIAL PROJECT WITH MMRDA RENTAL HOUSING SCHEME VILLAGE SHEEL, TALUKA & DISTRICT- THANE, MAHARASHTRA			Reference			: Verbal Discussion
			Date of Sampling			: 22.01.2024
			Date of Analysis			: 24.01.2024
			Duration of Monitoring			: 8hr
			Sampling Location			: Project site
			Sampling Procedure			: N(I)L/AIR/SOP-12/13/14
			Sampling Done By			: Pristine Consultants
RESULT						
Sr. No	Parameters	Result	NAAQS Limits	Unit	Method	
1	Particulate Matter (PM10)	74.6	100	µg/m³	IS 5182(part 23); reaffirmed : 2017	
2	Particulate Matter (PM2.5)	30.1	60	µg/m³	Lab SOP No.NIL/AIR SOP/03,based on CPCB Guideline Volume-1: 2011	
3	Sulphur Dioxide (SO2)	36.6	80	µg/m³	IS 5182 Part 2, reaffirmed: 2017	
4	Nitrogen Dioxide (NOX)	40.1	80	µg/m³	IS 5182 Part 6, reaffirmed: 2017	

For NETEL (INDIA) LIMITED





**Netel (India) Limited**

## ANALYSIS REPORT FOR AMBIENT NOISE

Name of the Client:			Report Date : 29.01.2024		
CHALAMA INFRAPROPERTIES PVT. LTD. RESIDENTIAL PROJECT WITH MMRDA RENTAL HOUSING SCHEME VILLAGE SHEEL, TALUKA & DISTRICT- THANE, MAHARASHTRA			Report No : NIL/OT/01/24/143		
			Reference : Verbal Discussion		
			Date of Monitoring : 22.01.2024		
			Sample Details : Noise sample _ project site		
			Sampling Procedure : As per the Method Reference		
			Sampling Done By : Pristine Consultants		
RESULT					
Sr. No	Location	Result dB(A) Day	Result dB(A) Day	Ambient Noise Standards in dB(A)	Method
1	Project Site	55.4	44.8	55*/45*	IS 9876:1981 & Manufacturer Manual, WI/S/5/35&36, Issue no. 3, Issue date 10.04.2014

### Remark:

Limit During Day time < 55. (Day time shall mean from 6.00 am to 10.00 pm.)

Limit

During Night time < 45. (Night time shall mean from 10.00 pm to 6.00 am.)

As per Code of practice for Controlling Noise prescribed by Noise Pollution Committee from Sources other than Industries and Automobiles, the maximum noise levels near the construction site should be limited to 75 dB(A) Leq (5 min.) in industrial areas and to 65 dB(A) Leq(5 min.) in other areas.<http://envfor.nic.in/citizen/specinfo/noise.html>

For NETEL (INDIA) LIMITED

*S. Icele*  
Lab Incharge



MoEF Recognized Laboratory





## ANALYSIS REPORT FOR WATER

**Netel (India) Limited**

Name of the Client:			Report Date : 29.01.2024		
CHALAMA INFRAPROPERTIES PVT. LTD.  RESIDENTIAL PROJECT WITH MMRDA RENTAL HOUSING SCHEME VILLAGE SHEEL, TALUKA & DISTRICT- THANE, MAHARASHTRA			Report No : NIL/OT/01/24/144		
			Reference : Verbal Discussion		
			Date of Sampling : 22.01.2024		
			Date of Analysis : 24.01.2024		
			Test Location : project site		
			Sampling Procedure : IS 3025 (P-1)		
			Sampling Done By : Pristine Consultants		
DRINKING WATER SAMPLE RESULT					
Sr. No	Parameter	Result	Unit	IS desirable Limit (As per IS 10500:2012)	Method
PHYSICO-CHEMICAL PARAMETERS					
1	Colour	<5	Hazon	--	IS 3025(part4)
2	Odour	Agreeable	--	--	IS 3025(part5)
3	Taste	Agreeable	--	--	IS 3025(part 8)
4	pH	7.51	--	6.5-8.5	IS 3025 Part11:1983: RA 2017
5	Turbidity	<1	NTU	1	IS 3025 Part 10:1984RA: 2017
6	Alkalinity	112	mg/lit	200	IS 3025 part 23: 1986RA-2019
7	Total Hardness	154	mg/lit	200	IS 3025 (Part 21): 2009 EDTA method, RA: 2019
8	Total Dissolved Solids	166	mg/lit	500	IS : 3025 (Part 16):1984, RA 2017
9	Chloride	18.4	mg/lit	250	IS 3025 (part 32):1988, RA: 2019
10	Calcium	6.3	mg/lit	75	IS 3025( part 40): 1991, EDTA method, RA:2019
11	Magnesium	3.7	mg/lit	30	IS 3025(part 46):1999, RA: 2019
12	Sulphate	BDL	mg/lit	200	IS 3025 (Part 24): 1988,RA: 2019
13	Copper	BDL	mg/lit	0.05	APHA 3111 B, 23rdEdition Additional Air-Acetyleneflame AAS method:2017
14	Nitrate	BDL	mg/lit	45	IS : 3025 ( Part 34) :1988, RA 2019
BACTERIOLOGICAL TEST					
15	Total Coliform	Absent	MPN/100ml	ABSENT	IS 1622

BDL : Below Detectable Limit

Remark : Test results related only to the sample tested.

: The Complaint register is available with the laboratory as per Environment protection act 1986.

For NETEL (INDIA) LIMITED

*S. S. Chak*  
Lab Incharge





**Netel (India) Limited**

## ANALYSIS REPORT FOR SOIL

<b>Name of the Client:</b>			<b>Report Date</b> : 29.01.2024	
CHALAMA INFRAPROPERTIES PVT. LTD.  RESIDENTIAL PROJECT WITH MMRDA RENTAL HOUSING SCHEME VILLAGE SHEEL, TALUKA & DISTRICT- THANE, MAHARASHTRA			<b>Report No</b> : NIL/OT/01/24/145	
			<b>Reference</b> : Verbal Discussion	
			<b>Date of Sampling</b> : 22.01.2024	
			<b>Date of Analysis</b> : 24.01.2024	
			<b>Test Location</b> : Project site	
			<b>Sampling Procedure</b>	: NIL/SOIL/SOP-11
			<b>Sampling Done By</b>	: Pristine Consultants
<b>RESULT</b>				
Sr. No	Parameter	Result	Unit	Method
1	pH (1:5 Suspension)	7.14	--	IS 2720 Part 26 :1987
2	Moisture	3.1	%	Lab SOP No. NIL/SOP/06 Based on Manual of Soil testing in India, Ministry of Agriculture, GOI: 2011
3	Electrical Conductivity (at 25OC)	4.8	Mmhos/cm	IS 14767:2000
4	Organic Carbon	5.5	%	Lab SOP No. NIL/SOP/05 Based on Manual of Soil testing in India, Ministry of Agriculture, GOI: 2011
5	Cation Exchange Capacity	52.6	Meq/100g m	Lab SOP No. NIL/SOP/08 Based on Manual of Soil testing in India, Ministry of Agriculture, GOI : 2011
6	Available Nitrogen	72.4	mg/kg	APHA 4500-Norg-B,23rd Ed 2017
7	Available Phosphorus	56.3	mg/kg	APHA 4500-P,23rd Ed 2017
8	Available Potassium	74.5	mg/kg	Lab SOP No. NIL/SOP/10 Based on Manual of Soil testing in India, Ministry of Agriculture, GOI : 2011
9	Sodium	2.6	mg/kg	Lab SOP No. NIL/SOP/10 Based on Manual of Soil testing in India, Ministry of Agriculture, GOI : 2011
10	Copper	<2	mg/kg	EPA 3050 B Air- Acetylene flame AAS Method : 1996
11	Zinc	<2.5	mg/kg	EPA 3050 B Air- Acetylene flame AAS Method : 1996
12	Total Chromium	<5	mg/kg	EPA 3050 B Air- Acetylene flame AAS Method : 1996
13	Cadmium	<5	mg/kg	EPA 3050 B Air- Acetylene flame AAS Method : 1996
14	Lead	<1	mg/kg	EPA 3050 B Air- Acetylene flame AAS Method : 1996

BDL : Below Detectable Limit

Remark : Test results related only to the sample tested.

For NETEL (INDIA) LIMITED

Lab Incharge

