Environmental Clearance Compliance Report

October 2022 to March 2023

Paranjape Schemes (Construction) Ltd.
Happiness Hub

at Varve, Pune

(Environmental Clearance Letter no. SEAC-2014/CR-395/TC-2 dated 16th January 2016)

Compliance Status of EC Conditions

Conditions of Environmental Clearance Letter No. SEAC-2014/C.R.-395/TC-2 Dated 16.01.2016

No	Condition	Compliance	🗗	P
	I-Construction Phase			
(i)	This environment clearance is issued subject to land use verification. Local authority/ planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, Etc. issued if any. Judgments/ orders issued by Hon'ble High Curt, Hon'ble NGT, Hon'ble Supreme court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details, provided in the above para may be reported to environmental department. This does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use	PP agrees to comply the condition.		
(ii)	No treated water or any waste / sewage shall be discharged into the water body, River, Nallah or storm water drain and in case any violation observed, the MSEDL shall disconnect the power supply	Being complied with the condition. Proper storm water drainage and sewer network has been provided for the project area.		
(iii)	E-waste shall be disposed through Authorized vendor as per E-waste (Management & Handling) Rules, 2011	This is residential construction project; E-waste is not generated at site.		
(iv)	Occupation certificate shall be issued to the project by Local Planning Authority only after ensuring availability of drinking water an connectivity of the sewer line to the project site	PP agrees to comply the condition.		

No	Condition	Compliance	🗗	P
(v)	This environment 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 imply that Forestry & Wild life clearance grated to the project which will be considered separately on merit	PP agrees to comply the condition		
(vi)	PP has to abide by the conditions stipulated by SEAC/SEIAA.	Noted by PP.		
(vii)	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	Being Complied with the condition		
(viii)	Consent for Establishment" shall be obtained from Maharashtra Pollution control Board under Air and Water Act and a copy shall be submitted to the approved development before start of any construction work at the site.	PP has obtained Consent to Establish No Format I./BO/RO-HQ/1902000466 Date: 12/02/2019	✓	
(ix)	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Being complied with the condition.		
II)	**General Conditions for Construction Phase**			
(i)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking mobile toilets, mobile STP, safe drinking water, medical health care, crèche ad First Aid Room etc.	Being complied with the condition.		
(ii)	Adequate drinking water and sanitary facilities should be provided for construction at site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	PP is complying with conditions		

No	Condition	Compliance	🗗	P
(iii)	The solid waste generated should be properly collected, segregated. Wet garbage should be composted & dry/inert solid waste should be disposed off at approved sites for land filling after recovering recyclable material.	Yes, PP is complying with the conditions		
(iv)	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 approve sites with the approval of competent authority	PP is complying with the conditions		
(v)	Arrangements shall be made that waste water and storm water do not get mixed.	Yes, PP is complying with the condition.		
(vi)	All the topsoil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	The Top soil generated during excavation work is being used in landscape development work within project area. The additional top soil generated during future building excavation work will be stored and used for landscape development.		
(vii)	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.	Being complied with the condition. The excavated soil from project site is being used for backfilling and leveling work. Additional soil is stored at separate location and will be used for backfilling and leveling work in Future development		
(viii)	Green Belt Development shall be carried out considering CPCB guideline including selection of plants species and in construction with the local DFO/ Agriculture Dept.	Yes, PP will comply with the condition		

No	Condition	Compliance	🗗	P
(ix)	Soil and ground water samples will be tested to as certain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	The ground water from surrounding area as well as the soil sample from the Project site has been tested as per the ISO: 10500 from MoEF&CC and NABL accredited Lab. Monitoring Reports for the same are provided.		
(x)	Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.	Adequate measures have been taken to prevent the leaching in to ground water. Ground water quality monitoring reports are attached.	✓	
(xi)	Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norm with necessary approvals of the Maharashtra State Pollution Control Board.	As it is residential project, so there will be no Hazardous Waste generation at the site		
(xii)	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.	During Construction phase PP has provided one DG Set for emergency backup. These DG sets are enclosed type and conforms to rules made under Environment (protection) act 1986, prescribed for air and noise emission standards. DG Set stack emission monitoring report are attached		

No	Condition	Compliance	🗗	P
(xiii)	The diesel required for operating DG Set shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	Diesel is not stored at site. As DG sets are used in case of power failure only, diesel is procured as per requirement		
(xiv)	Vehicles hired for bringing construction material at site should be in good condition and should have valid "pollution under check" (PUC) certificate & to conform to applicable air and noise emission standards and should be operated only during non-peaking hours.	Regular maintenance of construction vehicles is carried out to keep them in good condition during Construction Phase.		
(xv)	Ambient noise levels should confirm 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 the reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB	The noise Level as well as air pollution is being monitored regularly from MoEF recognized laboratory. Monitoring reports are provided	✓	
(xvi)	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 is located within the 100 Km of Thermal Power Stations).	PP using Fly ash in a construction material		
(xvii)	Ready mixed concrete must be used in building construction.	PP using ready mixed concrete for construction of building		
(xviii)	The approval of competent authority shall be obtained for structural safety of the building due to any possible earthquake, adequacy of firefighting equipment's etc. as per National building Code including measures from lighting.	PP complying with the condition		
(xix)	Strom water control and its re-use as per CGWB and BIS standards for various applications.	PP is complying with the condition		

No	Condition	Compliance	🗗	P
(xx)	Water demand during construction should reduce by use of pre-mixed concrete, curing agents and other best practices preferred.	PP is using several measures for water conservation such as use of premixed concrete, slab ponding and use of jute cloth for curing purpose		
(xxi)	The ground water level and its quantity should be monitored regularly in consultation with Ground water authority.	PP is complying with the condition. Ground water quality monitoring reports are attached herewith.		
(xxii)	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 sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odor problem form STP.	PP will comply with the condition		
(xxii)	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.	PP is not using ground water at construction site.		
(xxiv)	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water	PP will comply with the condition		
(xxv)	Fixtures for showers, toilets flushing and drinking should be of flow either by use of aerators or pressure reducing devices or sensor based control.	PP will comply with the condition		
(xxvi)	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 special reflective coating in windows	PP is complying with the condition		

No	Condition	Compliance	🗗	P
(xxvii)	Roof should meet prescriptive requirement as per Energy Conservation building code by using appropriate thermal insulation material to fulfill requirement.	PP will comply with the condition		
(xxviii)	Energy conservation measures like installation of CFLs/ TFLs for the lighting the areas outside the building should be internal 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 lights, comma solar water heaters system. PP should install, after checking feasibility, solar plus hybrid non conational energy source as source of energy	PP will comply with the condition		
(xxix)	Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be 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 combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with MPCB	PP will comply with the condition		
(xxx)	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 prevent regulations.	The noise Level is being monitored in day and night time regularly from MoEF and NABL recognized laboratory. Monitoring reports are attached.	✓	
(xxxi)	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.	PP is complying with the condition		

No	Condition	Compliance	🗗	P
(xxxii)	Opaque wall should meet prescriptive requirements 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.	PP agrees to comply with the condition		
(xxxiii)	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Being complied with the condition		
(xxxiv)	Regular supervision of the above and other measure for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	EHS team working at site is responsible for day to day monitoring and implementation of EMP.		
(xxxv)	Under the provision 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 environment clearance.	PP has started construction after getting Environmental Clearance.		
(xxxvi)	Six monthly monitoring reports should be submitted to the Ministry and its regional office.	PP is complying with the condition. Six monthly monitoring reports are attached	✓	
	General Conditions For Post Construction /operation phase			
(i)	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the building, 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 para2. Prior certification from appropriate authority shall be obtained	PP will comply with the condition		
(ii)	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	PP will comply with the condition		

No	Condition	Compliance	🗗	P
(iii)	Local body should ensure that no occupation certificate is issued prior to operation of STP/MSW site etc. with due permission of MPCB	PP agrees to comply with the condition.		
(iv)	A complete set of all the documents submitted to department should be forwarded to the Local authority and MPCB.	Being complied with the condition		
(v)	In case of any changes in the scope of the project, the project would require a fresh appraisal by this Department.	PP agrees to comply with condition.		
(vi)	A Separate environment management cell with qualified staff be set up for implementation of the stipulated environmental safeguards.	A separate qualified EHS team is working on site for implementation of the stipulated environmental safeguard.		
(vii)	Separate funds shall be allocated for implementation of environmental protection measures/ EMP along with item-wise breakup. 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 purpose and year-wise expenditure should reported to the MPCB & this department	PP agrees to comply with condition		
(viii)	The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in Marathi language of the local concerned within 7 days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Maharashtra State Pollution Control and may also be seen on the website of the ministry of Environment and Forests at the http://www.envfor.nic.in	Being complied with the condition. The public notice is published in two local newspaper		

No	Condition	Compliance	🗗	P
(ix)	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard and soft copies to the MPCB and this department, on 1st June & 1st December of each calendar year	PP is regularly submitting half yearly compliance reports to the concerned authorities. Submitting herewith six-monthly compliance report for the period April 2020 to September 2020.		
(x)	A copy of the environmental clearance letter shall be sent 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 the proponent.	Copy of Environment Clearance has been submitted to Pune Metropolitan Region Development Authority (PMRDA) along with approval documents	✓	
(xi)	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 pollution levels namely; SPM, RPM, SO_2, NOx (ambient levels as well as stack emissions) or critical sector parameters, indicate for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Being complied with the condition		
(xii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of the monitored data (both in hard copies as well as e-mail) to the respective Regional Office of MoEF. The respective zonal Office of CPCB and the SPCB.	Being complied with the condition		

No	Condition	Compliance	🗗	P
(xiii)	The environment 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 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 sans shall also be sent to the respective Regional Officers of MoEF by e-mail	Being complied with the condition		
(4)	The environment 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 environment laws in the past ad whatever decision under EP Act or of Hon'ble court will be binding to the project proponent. Hence this clearance does not give immunity to the project proponent in the case field against him, if any or action initiated under EP Act.	PP agrees with the condition		
(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 EP Act,1986	PP agrees with the condition.		
(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.	PP agrees with the condition.		
(7)	**Validity of Environment clearance:** The Environment clearance accorded shall be valid for a period of 7 years as per MoEF& CC Notification dated 29th April, 2015.	Noted by PP. As per the Notification dated 29th April, 2015 validity of Environment Clearance is 7 years.		
(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 conditions imposed and to incorporate additional environmental protection measures required, if any.	PP agrees with the condition		

No	Condition	Compliance	🗗	P
(9)	The above stipulation would be enforced among others under the water (Prevention and control of pollution) Act 1974. The Air (Prevention and control of pollution), 1981, the Environment (Protection), 1986 and rules there under, hazardous Waste (Management & Handling) Rules, 1989 and its amendment, the public Liability Insurance Act, 1991 and its amendments.	PP agrees with the condition.		
(10)	Any appeal against this Environment clearance shall lie with the National Green Tribunal, Van Vigyan Bhavan, Sec-5, R. K. Puram, New Delhi-110 22, if preferred, within 30 days as prescribed under Section 16 of National Green Tribunal Act,2010	PP agrees with the condition		

CONDITIONS OF CONSENT TO ESTABLISH

Consent order No. Format I./BO/RO-HQ/1902000466

Date: 12/02/2019

<table>
<tr><th>No</th><th>Condition</th><th>Compliance</th><th>🗗</th><th>P</th></tr>
<tr><td>4.</td><td>Conditions under Water (P&CP), 1974 Act for discharge of effluent:
<table>
<tr><th>Sr. No</th><th>Description</th><th>Permitted quantity of discharge (CMD)</th><th>Standards to be achieved</th><th>Disposal</th></tr>
<tr><td>1.</td><td>Trade effluent</td><td>Nil</td><td>NA</td><td>N.A.</td></tr>
<tr><td>2.</td><td>Domestic effluent</td><td>1281</td><td>As per Schedule-I</td><td>60% should be reused recycled and remaining should be discharge in municipal sewer</td></tr>
</table></td><td>PP will comply with the condition</td><td></td><td></td></tr>
<tr><td>5.</td><td>Conditions under Air (P & CP) Act, 1981 for air emissions:</td><td></td><td></td><td></td></tr>
<tr><td></td><td>
<table>
<tr><th>Sr. No</th><th>Description of stack/source</th><th>Capacity</th><th>Number of Stack</th><th>Standards to be achieved</th></tr>
<tr><td>1</td><td>DG Set</td><td>320 kVA</td><td>1</td><td>As Per Schedule-II</td></tr>
<tr><td>2</td><td>DG Set</td><td>250 kVA</td><td>1</td><td>As Per Schedule-II</td></tr>
</table></td><td>PP will comply with the condition</td><td></td><td></td></tr>
<tr><td>6.</td><td>Conditions under Solid Waste Management Rule, 2016:
<table>
<tr><th>Sr.No</th><th>Type of waste</th><th>Quantity</th><th>Treatment</th><th>Disposal</th></tr>
<tr><td>1</td><td>Bio-Degradable</td><td>2022 kg/day</td><td>OWC</td><td>Use as Manure</td></tr>
<tr><td>2</td><td>Non-Biodegradable</td><td>1113 kg/day</td><td>Segregation</td><td>Segregate and Hand Over to Local Body for recycling</td></tr>
<tr><td>3</td><td>STP sludge</td><td>15 Kg/day</td><td>-</td><td>Use as manure</td></tr>
</table></td><td>PP will comply with the condition.</td><td></td><td></td></tr>
<tr><td>7.</td><td>Conditions under Hazardous & other waste (M & TM) Rules,2016 for treatment and disposal of hazardous waste: Nil</td><td>No hazardous waste is generated</td><td></td><td></td></tr>
<tr><td>8.</td><td>The Board reserves the right to review, amend, suspend, revoke etc this consent and the same should be binding on the industry</td><td>Noted by PP.</td><td></td><td></td></tr>
<tr><td>9.</td><td>This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.</td><td>Noted by PP.</td><td></td><td></td></tr>
<tr><td>10.</td><td>Project Proponent shall comply the Construction and Demolition Waste management rule 2016 which is notified by ministry of Environmental, Forest and Climate Changes dtd 29.03.2016</td><td>PP is complying with the condition</td><td></td><td></td></tr>
</table>

No	Condition	Compliance	🗗	P
11	**Project Proponent shall submit an affidavit in board prescribed format within 15 days regarding the compliance of conditions of EC/CRZ clearance and C to E**	Being complied with the condition		
12.	**Project Proponent shall comply with the conditions stipulated in Environmental Clearance granted by MoEF, GOI vide no. SEAC-2014/C.R.395/TC-2 dated 16.01.2016**	PP will comply with the condition		

CONSENT SCHEDULE I
TERMS & CONDITIONS FOR COMPLIANCE OF WATER POLLUTION CONTROL

<table>
<tr><th>No</th><th>Condition</th><th>Compliance</th><th>🗗</th><th>P</th></tr>
<tr><td></td><td><u>Schedule-I</u></td><td></td><td></td><td></td></tr>
<tr><td></td><td><u>Terms & conditions for compliance of Water Pollution Control:</u></td><td></td><td></td><td></td></tr>
<tr><td>1)</td><td>A. As per you’re application, you have proposed to install Sewage Treatment Plants (STP) with the design capacity of 1350 CMD.</td><td>PP will comply with the condition.</td><td></td><td></td></tr>
<tr><td></td><td>B. The Applicant shall operate the effluent treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.
<table>
<tr><td>Sr. No</td><td>Parameters</td><td>Standard Prescribed by Board</td></tr>
<tr><td></td><td></td><td>Limiting Concentration in mg/l, except for pH</td></tr>
<tr><td>1</td><td>BOD (3 days 27 oc)</td><td>10</td></tr>
<tr><td>2</td><td>Suspended Solids</td><td>50</td></tr>
<tr><td>3</td><td>COD</td><td>100</td></tr>
</table></td><td>PP will comply with the condition.</td><td></td><td></td></tr>
<tr><td></td><td>C. The treated effluent shall be 60% recycled for secondary purpose such as toilet flushing, air conditioning, firefighting, on land for gardening etc. and remaining shall be discharge in to the sewage system
D. Project Proponent shall operate STP for five year from the date of obtaining occupation certificate
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.</td><td>PP will comply with the condition.</td><td></td><td></td></tr>
<tr><td>2)</td><td>Project Proponent shall install online monitoring system for monitoring of BOD, SS and flow parameters at the outlet of STP</td><td>Yes, PP agrees with the condition.</td><td></td><td></td></tr>
</table>

<table>
<tr><th>No</th><th>Condition</th><th>Compliance</th><th>🗗</th><th>P</th></tr>
<tr><td>3)</td><td>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.</td><td>Yes, PP agrees with the condition.</td><td></td><td></td></tr>
<tr><td>4)</td><td>The Water consumption is as under.
<table>
<tr><th>Sr. No.</th><th>Purpose for water consumed</th><th>Water consumption quantity (CMD)</th></tr>
<tr><td>1</td><td>Domestic purpose</td><td>1423</td></tr>
</table>
</td><td>PP agrees with the condition.</td><td></td><td></td></tr>
</table>

CONSENT SCHEDULE-II

TERMS & CONDITIONS FOR COMPLIANCE OF AIR POLLUTION CONTROL:

<table>
<tr><th>No</th><th>Condition</th><th>Compliance</th><th>🗗</th><th></th></tr>
<tr><td></td><td><u>Schedule-II</u>
<u>Terms & conditions for compliance of Air Pollution Control:</u></td><td></td><td></td><td></td></tr>
<tr><td>1.</td><td>As per your applications you have proposed to install the Air pollutions control (APC) system and also proposed to erect following stack (s) and to observe the following fuel pattern-
<table>
<tr><th>Sr. No.</th><th>Stack Attached to</th><th>APC system</th><th>Height in Mtrs</th><th>Type of Fuel</th><th>Quantity</th><th>UOM</th><th>S%</th><th>So_2</th></tr>
<tr><td>1</td><td>DG Set (320 KVA)</td><td>Acoustic enclosure</td><td>3.6* each</td><td>Diesel</td><td>5</td><td>Lit/Hr</td><td>-</td><td>-</td></tr>
<tr><td>2</td><td>DG Set (250 KVA)</td><td></td><td>3.1* each</td><td></td><td></td><td></td><td></td><td></td></tr>
</table>
* Above roof of the building in which it is installed.</td><td>PP will comply with the condition.</td><td></td><td></td></tr>
<tr><td>2.</td><td>The applicant should operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards.
<table>
<tr><td>Particulate Matter</td><td>Not to exceed</td><td>150 mg/Nm^3</td></tr>
</table></td><td>PP will comply with the condition.</td><td></td><td></td></tr>
<tr><td>3.</td><td>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.</td><td>PP will comply with the condition.</td><td></td><td></td></tr>
<tr><td>4.</td><td>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)</td><td>PP will comply with the condition.</td><td></td><td></td></tr>
</table>

CONSENT SCHEDULE-III
DETAILS OF BANK GUARANTEES

<table>
<tr><th>No</th><th>Condition</th><th>Compliance</th><th>🗗</th><th>Photo</th></tr>
<tr><td></td><td>Schedule-III
Details of Bank Guarantees
<table>
<tr><th>Sr. No.</th><th>Consent (C to E/O/R)</th><th>Amt of BG Imposed</th><th>Submission period</th><th>Purpose of BG</th><th>Compliance Period</th><th>Validity Date</th></tr>
<tr><td>1</td><td>Consent to Establish</td><td>Rs. 10 lakh</td><td>15 Days</td><td>Towards compliance of consent and EC conditions</td><td>Upto Commissioning of Project</td><td>Five Years</td></tr>
</table></td><td>PP will comply with the condition.</td><td></td><td></td></tr>
</table>

CONSENT SCHEDULE-IV
General Conditions:

No	Condition	Compliance		
	Conditions during construction phase:			
1)	During construction phase applicant shall provide temporary sewage disposal and MSW facility for staff and water quarters	Being complied with the condition.		
b)	During construction phase, the ambient air and noise should be closely monitored to achieve Ambient Air Quality Standards and Noise by the project proponent through MoEF approved laboratory.	Being complied with the condition.		
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 regulation.	Being complied with the condition.		
	The following general conditions shall apply as per the type pf the industry:			
	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.	PP will comply with the condition.		
2)	The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and environmental protection Act 1986 and Solid Waste Management Rule 2016 and E-waste management &Rules 2016	PP is complying with the condition.		
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	PP will complying with the condition.		
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.	PP is complying with the condition. PUC is checked regularly.		
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) Industry should provide acoustic enclosure for control of noise. The	PP agrees with the condition. Installations and operation of DG Sets will be as per notification of MoEF dated 17.05.2002		

No	Condition	Compliance	🗗	
	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) The industry should take adequate measure for control of noise levels from its own sources within the premises in respect 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 night time is reckoned between 10 p.m. to 6 a.m. d) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures. 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.	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 Solid Waste Management Rule 2016 & E-Waste (M) Rule 2016	PP will comply with the condition.		
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.	PP will comply with the condition.		
8)	The industry shall submit official e-mail address and any change will be duly informed to the MPCB	Being complied with the condition		

No	Condition	Compliance	🗗	
9)	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.	Being complied with the condition. Environment Statement report is attached herewith.		
11)	The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.	PP agrees with the condition		

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Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

Report No.:	ME-NG05505-230404- SA-HH-PUNE	Date: 04.04.2023
ULR No.:	TC748723000004994F	

Name and Address of Customer	**Paranjape Schemes (Construction) Ltd., "Happiness Hub" Residential, Shopping & Commercial Project, S. No. 94,96 & 97, Village –Varve, Tal-Bhor, Dist- Pune.**		WO No.: Verbal WO Date: -
Sample Description / Type	Stack Emission	Sample Collected by	Laboratory
Sampling Location	DG Set 200 kVA	Sample Quantity / Packing	Thimble: 1 X 1 No. SO_2:30 mL X 1 No. PVC Bottle NO_X:25 mL X 1 No. PVC Bottle
Date of Sampling	25.03.2023	Date of Receipt of Sample	27.03.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	28.03.2023	Date of Completion of Analysis	04.04.2023

Stack Details	
Stack Identity	DG Set 200 kVA
Stack attached to	DG Set
Material of construction	M.S.
Stack height above ground level (Meter)	1.5
Stack Dimension (Meter)	0.30
Stack shape at top	Round
Type of fuel	Diesel
Fuel Consumption (L/h)	16

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)			
1	Flue gas Temperature	^0C	136	IS 11255 (Part 3):2008; RA 2018
2	Flue gas Velocity	m/s	6.4	IS 11255 (Part 3):2008; RA 2018
3	Total gas quantity	Nm^3/h	1168	IS 11255 (Part 3):2008; RA 2018
4	Particulate Matter (PM)	mg/Nm^3	28	IS 11255 (Part 1):1985 RA 2019
5	Sulphur Dioxide (SO_2)	mg/Nm^3	19	IS 11255 (Part 2):1985; RA 2019
6	Oxides of Nitrogen (NO_X)	mg/Nm^3	180	IS 11255 (Part 7): 2005; RA 2017

END OF REPORT

Harish Mendhi
Technical Manager
Chemical Testing

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

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TEST REPORT

Report No.:	ME-NG05505-230404- SA-HH-PUNE	Date: 04.04.2023
ULR No.:	TC748723000004994F	

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TEST REPORT

Report No.:	ME-NG05505N-230404- SA-HH-PUNE	Date: 04.04.2023
ULR No.:	TC748723000004994F	

Name and Address of Customer	**Paranjape Schemes (Construction) Ltd., "Happiness Hub" Residential, Shopping & Commercial Project, S. No. 94,96 & 97, Village –Varve, Tal-Bhor, Dist- Pune.**		WO No.: Verbal WO Date: -
Sample Description / Type	Stack Emission	Sample Collected by	Laboratory
Sampling Location	DG Set 200 kVA	Sample Quantity / Packing	SO_2:30 mL X 1 No. PVC Bottle
Date of Sampling	25.03.2023	Date of Receipt of Sample	27.03.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	28.03.2023	Date of Completion of Analysis	04.04.2023

Stack Details	
Stack Identity	DG Set 200 kVA
Stack attached to	DG Set
Material of construction	M.S.
Stack height above ground level (Meter)	1.5
Stack Dimension (Meter)	0.30
Stack shape at top	Round
Type of fuel	Diesel
Fuel Consumption (L/h)	16

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)			
1	Sulphur Dioxide (SO_2)	kg/d	0.533	IS 11255 (Part 2):1985; RA 2019

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TEST REPORT

Report No.:	ME-NG05846-230413-SA-HH-PUNE	Date: 13.04.2023
ULR No.:	TC748723000005316F	

Name and Address of Customer	**Paranjape Schemes (Construction) Ltd., "Happiness Hub" Residential, Shopping & Commercial Project, S. No. 94,96 & 97, Village –Varve, Tal-Bhor, Dist- Pune.**		WO No.: Verbal WO Date: -
Sample Description / Type	Soil	Sample Collected by	Laboratory
Sampling Location	Project Site	Sample Quantity / Packing	1 kg X 1 No. Polythene Bag
Date of Sampling	30.03.2023	Date of Receipt of Sample	31.03.2023
Sampling Procedure	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India		
Date of Start of Analysis	02.04.2023	Date of Completion of Analysis	13.04.2023

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Pollution & Environment (Soil)			
1.	pH (1+5)	-	8.0	FAO 1976, Sec.III,1, Page No. 65
2.	Moisture Content	%	8.79	IS 2720 (Part II): 1973, RA 2002, Ed. 3.1
3.	Organic Carbon	%	0.531	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India. Sec.4-17, Page No 83.
4.	Available Nitrogen	mg/kg	78.4	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India, Sec.4 - 17, Page No 89
5.	Available Phosphorous	mg/kg	5.15	FAO Sec. III .12-1 Page no-157
6.	Total Cadmium	mg/kg	BQL (LOQ:2)	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
7.	Total Chromium	mg/kg	56.2	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
8.	Total Lead	mg/kg	10.7	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
9.	Total Zinc	mg/kg	79.4	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
10.	Total Copper	mg/kg	110	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007

END OF REPORT

Harish Mendhi
Technical Manager
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TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

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TEST REPORT

Report No.:	ME-NG05846-230413-SA-HH-PUNE	Date: 13.04.2023
ULR No.:	TC748723000005316F	

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TEST REPORT

Report No.:	ME-NG05846N-230413-SA-HH-PUNE	Date: 13.04.2023
ULR No.:	-	

Name and Address of Customer	**Paranjape Schemes (Construction) Ltd., "Happiness Hub" Residential, Shopping & Commercial Project, S. No. 94,96 & 97, Village –Varve, Tal-Bhor, Dist- Pune.**		WO No.: Verbal WO Date: -
Sample Description / Type	Soil	Sample Collected by	Laboratory
Sampling Location	Project Site	Sample Quantity / Packing	1 kg X 1 No. Polythene Bag
Date of Sampling	30.03.2023	Date of Receipt of Sample	31.03.2023
Sampling Procedure	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India		
Date of Start of Analysis	02.04.2023	Date of Completion of Analysis	13.04.2023

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Pollution & Environment (Soil)			
1.	Chloride	mg/kg	50.0	USEPA/SW 846 Method 9253:1996
2.	Sulphate	mg/kg	29.4	IS 2720 (Part XXVII):1977, Reaffirmed 2001.
3.	Oil & Grease	mg/kg	BQL (LOQ:5)	CPCB (HW) manual, Page No. 156

END OF REPORT

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TEST REPORT

Report No.:	ME-NG05521-230404- SA-HH-PUNE	Date: 04.04.2023
ULR No.:	TC748723000005010F	

Name and Address of Customer	**Paranjape Schemes (Construction) Ltd., "Happiness Hub" Residential, Shopping & Commercial Project, S. No. 94,96 & 97, Village –Varve, Tal-Bhor, Dist- Pune.**		WO No.: Verbal WO Date: -
Sample Description / Type	Ambient Noise		
Date of Sampling	25.03.2023	Sampling Procedure	IS 9876:1981

Sr. No.	Location	Time in h	Sound Level L_{eq} dB (A) Fast Response	Sound Level L_{eq} dB (A) Slow Response
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Noise)			
1	Project Site	09:05	52.4	50.1
		22:10	43.6	41.3

As per The Noise Pollution (Regulation & Control) Rules, 2000 (Rules 3(1) and 4(1))			
Area Code	Area Type	Limits in dB (A) weighted scale	
		Day Time (6:00a.m. to 10:00 p.m.)	Night Time (10:00 p.m. to 6:00 a.m.)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

END OF REPORT

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TEST REPORT

Report No.:	ME-NG05506-230404- SA-HH-PUNE	Date: 04.04.2023
ULR No.:	TC748723000004995F	

Name and Address of Customer	**Paranjape Schemes (Construction) Ltd., "Happiness Hub" Residential, Shopping & Commercial Project, S. No. 94,96 & 97, Village –Varve, Tal-Bhor, Dist- Pune.**	WO No.: Verbal WO Date: -
Sample Description / Type	Source Noise	
Date of Sampling	26.03.2023	
Sampling Procedure	IS 9876:1981	

Sr. No.	Location	Time in h	Result dB(A) Inside	Result dB(A) Outside	Insertion Loss
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Source Noise Excluding Vibrations)				
1	D G Set (200 kVA)	09:30	98.5	73.3	25.2

END OF REPORT

Note: 1. **Limit as per EPA Rule 1986:**
a) For rated capacity more than 1000 kVA, insertion loss of Min. 25dB(A) or meeting the ambient noise standards whichever is on the higher side at different points at 0.5 m from the acoustic enclosure and averaged.
b) For rated capacity up to 1000 kVA, manufactured on or after the 1st January 2005, the maximum permissible sound pressure level shall be 75 dB(A) at 1 metre from the enclosure surface.
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Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

Report No.:	ME-NG05845-230410-SA-HH-PUNE	Date: 10.04.2023
ULR No.:	TC748723000005315F	

Name and Address of Customer	**Paranjape Schemes (Construction) Ltd., "Happiness Hub" Residential, Shopping & Commercial Project, S. No. 94,96 & 97, Village –Varve, Tal-Bhor, Dist- Pune.**		WO No.: Verbal WO Date: -
Sample Description / Type	Ground water	Sample Collected by	Laboratory
Sampling Location	Surrounding Area	Sample Quantity / Packing	2L X 1 No. PVC Can 500 mL X 1 No. PVC Can 250 mL X 1 No. Sterilized Glass Bottle
Date of Sampling	30.03.2023	Date of Receipt of Sample	31.03.2023
Sampling Procedure	IS:3025(Part I):1987 RA 2019; IS 1622:1981 RA 2019, APHA 23rd Ed. 2017, 1060-B, 1-40; 9060 A, 9-36		
Date of Start of Analysis	31.03.2023	Date of Completion of Analysis	08.04.2023

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Water (Ground Water)			
1.	Colour	Hazen	BQL (LOQ:1)	APHA 23rd Ed. 2017, 2120-B, 2-6
2.	Odour	-	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2018
3.	Turbidity	NTU	0.8	APHA 23rd Ed. 2017, 2130-B, 2-13
4.	pH	-	7.3	APHA 23rd Ed. 2017, 4500-H^+-B, 4-95
5.	Total Dissolved Solids	mg/L	465	IS 3025 (Part 16):1984 RA 2017, Ed.2.1 (1999-12)
6.	Total Alkalinity (as CaCO3)	mg/L	334	APHA 23rd Ed. 2017, 2320-B, 2-36
7.	Total Hardness (as CaCO3)	mg/L	342	APHA 23rd Ed. 2017, 2340-C, 2-48
8.	Chloride (as Cl)	mg/L	61.0	APHA 23rd Ed. 2017, 4500-Cl-B,4-75
9.	Sulphate (as SO_4)	mg/L	12.0	APHA 23rd Ed. 2017, 4500- SO_4-E, 4-199
10.	Nitrate (as NO_3)	mg/L	7.84	APHA 23rd Ed. 2017, 4500-NO_3, E 4-131
11.	Calcium (as Ca)	mg/L	89.0	APHA 23rd Ed. 2017, 3500-Ca-B, 3-69
12.	Magnesium (as Mg)	mg/L	29.2	APHA 23rd Ed. 2017, 3500-Mg-B, 3-86
13.	Fluoride (as F)	mg/L	0.48	APHA 23rd Ed. 2017, 4500-F D, 4-90
14.	Cyanide (as CN)	mg/L	BQL (LOQ:0.001)	APHA 23rd Ed. 2017, 4500-CN, C & E, 4-44 & 4-46
15.	Anionic detergents as MBAS	mg/L	BQL (LOQ:0.1)	APHA 23rd Ed. 2017, 5540-C, 5-55

Harish Mendhi
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Shital Lakhorkar
Group In-charge
Biological Testing

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

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TEST REPORT

Report No.:	ME-NG05845-230410-SA-HH-PUNE	Date: 10.04.2023
ULR No.:	TC748723000005315F	

Sr. No.	Parameter	Unit	Result	Method Reference
16.	Phenolic Compounds (as C_6H_5OH)	mg/L	BQL (LOQ:0.001)	APHA 23rd Ed. 2017, 5530- B & C, 5-49, 5-50
	Residues in water (Trace metal Element)			
17.	Iron (as Fe)	mg/L	0.156	APHA 23rd Ed. 2017, 3111-B, 3-20
18.	Manganese (as Mn)	mg/L	0.060	IS 3025(Part 2): 2019
19.	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	IS 3025(Part 2): 2019
20.	Zinc (as Zn)	mg/L	0.074	IS 3025(Part 2): 2019
21.	Copper (as Cu)	mg/L	0.010	IS 3025(Part 2): 2019
22.	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	IS 3025(Part 2): 2019
23.	Hexavalent Chromium (as Cr^{+6})	mg/L	BQL (LOQ:0.02)	APHA 23rd Ed. 2017, 3500- Cr-B, 3-71
24.	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	IS 3025(Part 2): 2019
25.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	APHA 23rd Ed. 2017, 3112-B, 3-25
	Discipline: Biological Testing; Product Group: Water (Ground water)			
26.	Total Coliforms	MPN/ 100 mL	2.2	APHA 23rd Ed. 2017, 9221–B, 9-69
27.	*Escherichia coli*	MPN/ 100 mL	Absent	APHA 23rd Ed. 2017, 9221–B, E & G, 9-69, 9-77 & 9-80

END OF REPORT

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TC-7407

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Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

Report No.:	ME-NG05844-230410- SA-HH-PUNE	Date: 10.04.2023
ULR No.:	TC748723000005314F	

Name and Address of Customer	**Paranjape Schemes (Construction) Ltd., "Happiness Hub" Residential, Shopping & Commercial Project, S. No. 94,96 & 97, Village –Varve, Tal-Bhor, Dist- Pune.**		WO No.: Verbal WO Date: -
Sample Description / Type	Drinking water	Sample Collected by	Laboratory
Sampling Location	Project Site	Sample Quantity / Packing	2L X 1 No. PVC Can 500 mL X 1 No. PVC Can 250 mL X 1 No. Sterilized Glass Bottle
Date of Sampling	30.03.2023	Date of Receipt of Sample	31.03.2023
Sampling Procedure	IS:3025(Part I):1987 RA 2019; IS 1622:1981 RA 2019, APHA 23rd Ed. 2017, 1060-B, 1-40; 9060 A, 9-36		
Date of Start of Analysis	31.03.2023	Date of Completion of Analysis	08.04.2023

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Water (Drinking Water)					
1.	Colour	Hazen	BQL (LOQ:1)	5 Max.	15 Max.	APHA 23rd Ed. 2017, 2120-B, 2-6
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2018
3.	Turbidity	NTU	0.3	1 Max.	5 Max.	APHA 23rd Ed. 2017, 2130-B, 2-13
4.	pH	-	7.5	6.5 to 8.5	No relaxation	APHA 23rd Ed. 2017, 4500-H^+-B, 4-95
5.	Total Dissolved Solids	mg/L	30	500 Max.	2000 Max.	IS 3025 (Part 16):1984 RA 2017, Ed.2.1 (1999-12)
6.	Total Alkalinity (as CaCO3)	mg/L	17	200 Max.	600 Max.	APHA 23rd Ed. 2017, 2320-B, 2-36
7.	Total Hardness (as CaCO3)	mg/L	21	200 Max.	600 Max.	APHA 23rd Ed. 2017, 2340-C, 2-48
8.	Chloride (as Cl)	mg/L	5.0	250 Max.	1000 Max.	APHA 23rd Ed. 2017, 4500-Cl-B,4-75
9.	Sulphate (as SO_4)	mg/L	1.8	200 Max.	400 Max.	APHA 23rd Ed. 2017, 4500- SO_4-E, 4-199
10.	Nitrate (as NO_3)	mg/L	0.59	45 Max.	No relaxation	APHA 23rd Ed. 2017, 4500-NO_3, E 4-131

Harish Mendhi
Technical Manager
Chemical Testing

Shital Lakhorkar
Group In-charge
Biological Testing

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

PLOT NOS. 13,14,17,18, GRAMPANCHAYAT BOKHARA, CHHINDWARA ROAD, KORADI, NAGPUR, MAHARASHTRA, INDIA
Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

Report No.:	ME-NG05844-230410- SA-HH-PUNE	Date: 10.04.2023
ULR No.:	TC748723000005314F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
11.	Calcium (as Ca)	mg/L	5.6	75 Max.	200 Max.	APHA 23rd Ed. 2017, 3500-Ca-B, 3-69
12.	Magnesium (as Mg)	mg/L	1.7	30 Max.	100 Max.	APHA 23rd Ed. 2017, 3500-Mg-B, 3-86
13.	Fluoride (as F)	mg/L	BQL (LOQ:0.05)	1 Max.	1.5 Max.	APHA 23rd Ed. 2017, 4500-F-D, 4-90
14.	Cyanide (as CN)	mg/L	BQL (LOQ:0.001)	0.05 Max.	No relaxation	APHA 23rd Ed. 2017, 4500-CN, C & E, 4-44 & 4-46
15.	Anionic detergents as MBAS	mg/L	BQL (LOQ:0.1)	0.2 Max.	1.0 Max.	APHA 23rd Ed. 2017, 5540-C, 5-55
16.	Phenolic Compounds (as C_6H_5OH)	mg/L	BQL (LOQ:0.001)	0.001 Max.	0.002 Max.	APHA 23rd Ed. 2017, 5530- B & C, 5-49, 5-50
	Residues in water (Trace metal Element)					
17.	Iron (as Fe)	mg/L	BQL (LOQ :0.03)	1.0 Max.	No relaxation	APHA 23rd Ed. 2017, 3111-B, 3-20
18.	Manganese (as Mn)	mg/L	0.015	0.1 Max.	0.3 Max.	IS 3025(Part 2): 2019
19.	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	0.01 Max.	No relaxation	IS 3025(Part 2): 2019
20.	Zinc (as Zn)	mg/L	0.055	5 Max.	15 Max.	IS 3025(Part 2): 2019
21.	Copper (as Cu)	mg/L	0.014	0.05 Max.	1.5 Max.	IS 3025(Part 2): 2019
22.	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	0.003 Max.	No relaxation	IS 3025(Part 2): 2019
23.	Hexavalent Chromium (as Cr^{+6})	mg/L	BQL (LOQ:0.02)	-		APHA 23rd Ed. 2017, 3500- Cr-B, 3-71
24.	Arsenic (as As)	mg/L	0.009	0.01 Max.	0.05 Max.	IS 3025(Part 2): 2019
25.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	0.001 Max.	No relaxation	APHA 23rd Ed. 2017, 3112-B, 3-25
	Discipline: Biological Testing; Product Group: Water (Drinking water)					
26.	Total Coliforms	/100mL	Absent	Shall not be detectable in any 100 mL Sample.		IS 15185:2016

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REPORT-DW-05844

TEST REPORT

Report No.:	ME-NG05844-230410- SA-HH-PUNE	Date: 10.04.2023
ULR No.:	TC748723000005314F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
27.	*Escherichia coli*	/100mL	Absent	Shall not be detectable in any 100 mL Sample.		IS 15185:2016

END OF REPORT

Note:
1. BQL: Below Quantification Limit.
2. LOQ: Limit of Quantification.
3. #: Acceptable Limit as per IS 10500:2012; RA 2018.
4. $ Permissible Limit in the Absence of Alternate Source as per IS 10500:2012 RA 2018
5. The result listed refers only to the tested sample(s) and applicable parameter(s).
6. This report is not to be reproduced except in full, without the written approval of the laboratory.
7. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

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TEST REPORT

Report No.:	ME-NG05520-230401- SA-HB-PUNE	Date: 01.04.2023
ULR No.:	TC748723000005009F	

Name and Address of Customer	**Paranjape Schemes (Construction) Ltd., "Happiness Hub" Residential, Shopping & Commercial Project, S. No. 94,96 & 97, Village –Varve, Tal-Bhor, Dist- Pune.**		WO No.: Verbal WO Date: -
Sample Description / Type	Ambient Air	Sample Collected by	Laboratory
Sampling Location	Project Site	Sample Quantity / Packing	PM_{10}: Filter Paper 1 X 1 No. $PM_{2.5}$: Filter Paper 1 X 1 No. SO_2:30 mL X 2 No. PVC Bottle NO_2:30 mL X 2 No. PVC Bottle CO:2L X 1No. Gas Bladder
Date of Sampling	25.03.2023	Date of Receipt of Sample	27.03.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	28.03.2023	Date of Completion of Analysis	30.03.2023

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1	Sulphur Dioxide (SO_2)	µg/m³	7.9	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
2	Nitrogen Dioxide (NO_2)	µg/m³	11.4	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
3	Particulate Matter (size less than 10µm) or PM_{10}	µg/m³	67	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
4	Particulate Matter (size less than 2.5µm) or $PM_{2.5}$	µg/m³	22	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
5	Carbon Monoxide (CO)	mg/m³	0.87	04	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13, Page No. 16-22, (NDIR method)

END OF REPORT

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TEST REPORT

Report No.:	ME-NG05520-230401- SA-HB-PUNE	Date: 01.04.2023
ULR No.:	TC748723000005009F	

Note:
1. BQL: Below Quantification Limit.
2. LOQ: Limit of Quantification.
3. Duration of Sampling: 8h
4. TWA: Time Weighted Average
5. NAAQS: National Ambient Air Quality Standard
6. #- NAAQS specified as: 24 h. TWA in case of SO_2, NO_2, PM_{10}, $PM_{2.5}$, 1 h. TWA in case of CO.
7. The result listed refers only to the tested sample(s) and applicable parameter(s).
8. This report is not to be reproduced except in full, without the written approval of the laboratory.
9. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

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Technical Manager
Chemical Testing

Annexure IV

ENVIRONMENT CLEARANCE LETTER

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEAC-2014/C.R.395/TC-2
Environment department
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai- 400 032.
Dated: 16 January, 2016.

To,
M/s. Paranjape Schemes (Construction) Ltd.
PSC House, CTS No 111+111/2, Anand colony,
Off Prabhat Road, Near Karnataka High School,
Earndavane, Pune- 411 004.

Subject: Environment clearance for residential and commercial project at Gat No. 94, 96 and 97 at Varve , Dist- Pune by M/s. Paranjape Schemes (Construction) Ltd

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-III, Maharashtra in its 32nd 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 90th meeting.

2. It is noted that the proposal is considered by SEAC-III under screening category 8(a) B2 as per EIA Notification 2006.

Brief Information of the project submitted by you is as-

1.	Name of the project	Happiness Hub Residential, Shopping & Commercial project at Varve Pune
2.	Project Proponent	Paranjape Scheme (Construction) Ltd.
3.	Consultant	Mahabal Enviro Engineers Pvt. Ltd. Mr. Raghunath Mahabal
4.	Type of project: Housing project/ Industrial Estate/ SRA scheme/ MHADA/ Township or others	Happiness Hub Residential, Shopping & Commercial project
5.	Location of the project	Gut No. 94, 96 & 97 at Varve. Pune
6.	Whether in Corporation/ Municipal / other area	Varve Gram panchayat
7.	Applicability of DCR	Town planning DCR
8.	IOD/IOA/Concession document or any other	No

	form of document as applicable(clarifying its conformity with local planning rules & provision)	
9.	Note on initiated work(if applicable)	We have not started the construction.
10.	LOI / NOC from MHADA / Other approvals (If applicable)	No
11.	Total Plot Area (sq.m.) Deduction Net plot area	Total plot area: 87,200 m^2 Deduction in road widening: 5,214 m^2 Deduction Service Road: 1,903 m^2 Deduction in Amenity: 12,012 m^2 Net plot area: 68,070 m^2
12.	Permissible FSI (including TDR etc.)	1,00,859 m^2
13.	Proposed Built-up Area (FSI & Non-FSI)	FSI area in m^2: 87,007.98 Non FSI area in m^2: 48,929.99 Total construction area in m^2: 1,35,937.97
14.	Ground-coverage percentage (%) *(Note: Percentage of plot not open to sky)*	12,032 (17%)
15.	Estimated cost of the project	Rs.250 Crore
16.	No. of building & its configuration	

Wing	No. of Floors	Tenaments	Population
A	Stilt + 12 Floors	62	310
B	Stilt + 12 Floors	62	310
C	Stilt + 12 Floors	62	310
D	Stilt + 12 Floors	95	475
E	Stilt + 12 Floors	95	475
F	Stilt + 12 Floors	95	475
G	Stilt + 12 Floors	71	355
H	Stilt + 12 Floors	95	475
I	Stilt + 12 Floors	95	475
J	Stilt + 12 Floors	95	475
K	Stilt + 12 Floors	95	475
L	Stilt + 12 Floors	95	475
M	Stilt + 12 Floors	95	475
N	Stilt + 12 Floors	95	475
O	Stilt + 12 Floors	95	475
P	Stilt + 12 Floors	95	475
Q	Stilt + 12 Floors	95	475
R	Stilt + 12 Floors	95	475
S	Stilt + 12 Floors	95	475
T	Stilt + 12 Floors	95	475
U	Stilt + 12 Floors	71	355

		V	Stilt + 12 Floors	95	475
		W	Stilt + 12 Floors	95	475
		Commercial shop	Ground + mezzanine +2 Floors in Wing - A,B,C	9	1,038
		Total		2,038	11,238
17.	Number of tenants and shops	2,038 Tenements + 9 shops			
18.	Numbers of expected residents/ users	11,238 no.			
19.	Tenant density per hector	299/ha			
20.	Height of the building	WING	No. of Floors	Height (m)	
		A	Stilt + 12 Floors	37.5	
		B	Stilt + 12 Floors	37.5	
		C	Stilt + 12 Floors	37.5	
		D	Stilt + 12 Floors	37.5	
		E	Stilt + 12 Floors	37.5	
		F	Stilt + 12 Floors	37.5	
		G	Stilt + 12 Floors	39.9	
		H	Stilt + 12 Floors	37.5	
		I	Stilt + 12 Floors	37.5	
		J	Stilt + 12 Floors	39.9	
		K	Stilt + 12 Floors	37.5	
		L	Stilt + 12 Floors	37.5	
		M	Stilt + 12 Floors	37.5	
		N	Stilt + 12 Floors	39.9	
		O	Stilt + 12 Floors	37.5	
		P	Stilt + 12 Floors	37.5	
		Q	Stilt + 12 Floors	37.5	
		R	Stilt + 12 Floors	37.5	
		S	Stilt + 12 Floors	37.5	
		T	Stilt + 12 Floors	37.5	
		U	Stilt + 12 Floors	37.5	
		V	Stilt + 12 Floors	37.5	
		W	Stilt + 12 Floors	39.9	
21.	Right of way (Width of the road from the nearest fire station to the proposed building (s))	NH4 highway : 60 m Service road: 12 m Internal road: 6 m, 12 m & 15 m			
22.	Turning radius for easy access of fire tender	12 m			

	movement from all around the building excluding the width for the plantation	
23.	Existing structure (s)	No
24.	Details of the demolition with disposal (if applicable)	No
25.	Water conservation	Dry season: • Fresh water (CMD): 953 m^3/day • Source: Varve Gram panchayat • Recycled water (CMD): 528 m^3/day • Total water requirement (CMD): 1,423 m^3/day • Swimming pool requirement (Cum): No Wet season: • Fresh water (CMD): 923 m^3/day • Source: Varve Gram panchayat • Recycled water (CMD): 507 m^3/day • Total water requirement (CMD): 1,423 m^3/day • Swimming pool requirement (Cum): No
26.	Details of Swimming pool	Dimension of Swimming Pool: Not applicable Total water Requirement in KL: Not applicable Water requirement for make up in KLD: Not applicable Details of Plant & Machinery used for treatment of Swimming pool water: Not applicable Details of quality to be achieved for swimming pool water and parameters to be monitored: Not applicable
27.	Rain Water Harvesting (RWH)	Residential Level of the Ground water table: 8-15 m below ground level • Size and no. of RWH tank (s) and Quantity: Capacity of RWH tank: No • Location of the RWH tank (s): Underground • No. of recharge pits: 8 no. of recharge pits having size 2 m × 2 m × 2 m depth Commercial: (No) • Level of the Ground water table: Not applicable • Size and no. of RWH tank (s) and Quantity: Not applicable Capacity of RWH tank: Not applicable • Location of the RWH tank (s) : Not applicable • No of Recharge Pits: Not applicable • Budgetary allocation (Capital cost and O & M cost): Capital cost is Rs.24 lakh O & M cost is Rs.1.2 lakh/year
28.	UGT tanks	Residential & Commercial: Domestic UG tank Capacity: 1,000 m^3/day Flushing UG tank Capacity: 500 m^3/day Fire UG tank Capacity: 500 m^3
29.	Storm water drainage	• Natural water drainage pattern: along the road side. • Quantity of storm water: 2.4 m^3/sec

		• Size of SWD: 1,000 mm × 1,000 mm wide
30.	Sewage and waste water	Residential & Commercial • Sewage generation (CMD): 1,281 m^3/day • STP technology: Moving Bed Bio Rector (MBBR) • Capacity of STP: 1,350 m^3/day (1,050 + 250 + 50) Budgetary allocation (Capital cost and O & M cost) Capital cost is Rs.166 lakh O & M cost is Rs.10 lakh/year
31.	Solid waste Management	Waste generation in the Pre construction and construction phase • Waste generation is 100 kg/day • Quantity of the top soil to be preserved: • Top soil preservation / conservation: Top soil will be preserved and later reused in landscape area. • Disposal of the construction way debris: Debris generated will be sent to the authorized debris disposal site as per "Construction and Demolition and De-silting Waste (Management and Disposal) Rules 2006. Waste generation in the Operation Phase Residential & Commercial: • Dry quantity: 1,113 kg/day • Wet quantity: 2,022 kg/day • Total quantity: 3,371 kg/day • E-Waste (kg/month): Negligible • Hazardous waste (kg/month): Not Applicable • Biomedical waste (kg/month) (If applicable): Not Applicable • STP Sludge (Dry sludge) (kg/day): 15 kg/day Mode of Disposal of waste: • Dry quantity: Dry garbage will be segregated & disposed off to recyclers. • Wet quantity: Wet garbage will be composted and used as organic manure for landscaping • E-Waste: Disposed off to recyclers. • Hazardous waste: Not Applicable • Biomedical waste (If applicable): Not Applicable • STP Sludge (Dry sludge): Dry sludge can be used as manure for plantation & gardening purposes inside the premise. Area requirement: Location (s) and total area provided for the storage and treatment of the solid waste: 500 m^2 Budgetary allocation (Capital cost and O & M cost) Capital cost is Rs.30 lakh O & M cost is Rs.6 lakh/year
32.	Green Belt Development	Total R.G area: • RG area other then green belt: Not applicable (Please specify for playground, etc.) RG area is 8,184 m^2 • RG area under green belt: On Ground: 8,184 m^2 • Plantation: • Number and list of trees species to be planted in the ground

RG - 1,081 no. of trees will be planted in total RG area.

- List is given below

Sr.	Botanical name	Common name	No.	Ecological importance
	Road Side / Boundary Trees			
1	Azadirachta Indica	Neem	145	Medicinal Propoerties
2	Anthocephallus Cadamba	Kadamb	110	Deciduous tree,large foliage & beautiful tree
3	Albizia lebbeck	Shirish	30	Spreading tree,dense foliage provides shades
4	Cassia fistula	Amaltas	40	Deciduous tree, has yellow drooping flowers
5	Khaya grandis	Khaya	228	Deciduous tree, provides shade & graceful appearance
	Garden Trees			
6	Putranjiva Roxburghii	Putranjiva	58	Medicinal properties & evergreen tree & has nice cascading look
7	Lagerstromia Reginea	Taaman	101	Official state tree
8	Saraca Indica	Sita Ashok	56	Hardy evergreen tree,grows well in warm climate
9	Michelia Champaca	Chafa	45	Ornamental plant used at very specific locations, hardy plant
10	Bauhinia Tomentosa	Yellow Kanchan	26	Small ,deciduous tree,good for garden plantation
11	Murayya Exotica	Kunti	43	Small ,Evergreen tree,good for garden plantation
12	Erythrina Variegata	Pangara	91	Deciduous tree,quick growing tree & attracts lots of birds during flowering
	Fruit Trees			
13	Phyllanthus Emblica	Awala	56	Fruit bearing tree attracts birds
14	Acrus Sapota Variety	Chikoo	26	Fruit bearing tree attracts birds
15	Pumica Granatum Bhagva	Pomogranate	26	Fruit bearing tree attracts birds & butterflies.
	Trees Planted in Ground RG		1,081	

		• Number and list of trees species to be planted in the ground RG: 1,081 no. • Number and list of Shrub & bushes species planted in the podium RG: Not applicable • Number and list of trees species to be planted around the border of nalla/ stream / pond (if any): No • Number of existing Trees: 15 no. • Number, Size, Age and Species of trees to be cut, trees to be transplanted: • Number, Size, Age and Species of trees to be cut, trees to be transplanted: • NOC for the tree cutting / transplantation / compensatory plantation, if any: trees to be transplanted: 9 no. of trees will retained 6 no. • Budgetary allocation (Capital cost and O & M cost) Capital cost is Rs.21 lakh O & M cost is Rs.2.1 lakh/year
33.	Energy	Power supply: • Maximum demand: 4,987 kW • Connected load: 7,124 kW • Source: MSEDCL • Total DG power consumption for residential buildings: 320 kVA & 250 kVA • Total DG power consumption for clubhouse and commercial buildings: Not applicable Energy saving measures: • The following Energy Conservation Methods are proposed in the project: ➢ Use of energy efficient, BEE labeled electrical fixtures, solar powered lighting in external common area. ➢ Energy efficient Light Emitting Diode (LED) lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. of fixtures. ➢ Solar Electrical Power + LED lighting is complimentary in Residential as in day time, it is used effectively in night time in Common areas like staircase, area lighting. Calculation & % of saving: 12%

Connected load	7,124
Peak demand	4,987
Average load	3,562
Residential kWh/y (300 kWh/m/flat)	73,36,800
Commercial kWh/y (20 W/m^2) x m^2 x 18h/d	15,76,800
Total	89,13,600
Solar use kWh/y	10,54,003
% saving on total use	12

	Terrace area available for Solar Panels (m^2)	Covered area (60%) (m^2)	Solar capacity @100 W/m^2, 4hr/day (kWh/year)	Solar energy Rs./year
Total	12,032	7,219	10,54,003	63,24,019

- Number and capacity of the DG sets to be used:
  320 kVA & 250 kVA

Stack Height: 3 m

Electricity requirement from MSEDCL: 7,124 kW

HT line passing through the plot if any: No

34. Environmental Management plan Budgetary Allocation

Construction phase (with Break-up)

Parameter	Cost (Rs. In Lakh)
Water For Dust Suppression	1.80
Air & Noise monitoring	2.24
Soil erosion control	10.00
Water monitoring	0.26
Site Sanitation	2.50
Gardening Set up	30.00
Disinfection-Pest Control	0.36
First Aid Facilities	1.20
Health Check Up	2.40
Training and awareness	1.00
Personal Protective Equipments	9.00
Modular STP	10.00
CFL lamps for labour hutments	0.08
Miscellaneous	5.00
Total	75.84

Operational Phase (with Break-up)

Sr.	Parameter	Set up cost	O & M cost (Rs. In Lakh)

				(Rs. in Lakh)	
		1	Sewage Treatment Plant	166	10.0
		2	Water Treatment Plant	26	16.0
		3	Landscape Development	21	2.1
		4	Solid Waste Composting	30	6.0
		5	Rain water harvesting	24	1.2
		6	Fire Fighting	25	1.5
		7	Solar hot lighting	63	1.6
		8	Environmental Monitoring	MoEF Approved Lab	5.0
		9	Pond Maintenance, Aeration	12	2.0
			Total	367	45.4
		• Quantum & generation of Corpus fund & commitment: Not Applicable as facility is operated by us • Responsibility for further O & M: All facilities will be handed over to the society. O & M of this facility will be handled by the society. We have incorporated the same in the sale agreement.			
35.	Traffic management	Traffic management: Nos. of the junction to the main road & design of confluence: Traffic generated from this project will confluent on 18 m wide road abutting to site. Plot area: Parking details:			
		Sr.	Type	Applicable no. of parking As per DCR	Provided parking
		1	4 Wheeler	Nil	55 no.
		2	2 Wheeler	2,946 no.	2,946 no.
		3	Cycle	2,946 no.	2,946 no.
		No. of car parking provided: 55 no. Type of parking: Open Area per car including driveway provided for car parking: 25 m^2 Width of all internal roads (m): 6 m, 12 m & 15 m			
36.	CRZ/RRZ clearance obtain, if any	No			
37.	Distance from Protected Area/Critically Polluted areas/ Eco-sensitive areas / Inter-State boundaries	Not applicable			

3. The proposal has been considered by SEIAA in its 90th 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 :

General Conditions for Pre- construction phase:-

(i) This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.

(ii) No treated water or any waste / sewage shall be discharged into the water body, River, Nallh or Strom water drain and in case any violation is observed, the MSEDL shall disconnect the power supply.

(iii) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2011.

(iv) Occupation certificate shall be issued to the project only after ensuring availability of drinking water and connectivity of the sewer line to the project site.

(v) 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.

(vi) PP has to abide by the conditions stipulated by SEAC & SEIAA.

(vii) 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.

(viii) "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.

(ix) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

General Conditions for Construction Phase-

(i) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.

(ii) 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.

(iii) 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.

(iv) 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.

(v) Arrangement shall be made that waste water and storm water do not get mixed.

(vi) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.

(vii) 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.

(viii) Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.

(ix) 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.

(x) 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.

(xi) 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.

(xii) 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.

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

(xiv) 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.

(xv) 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.

(xvi) 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).

(xvii) Ready mixed concrete must be used in building construction.

(xviii) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.

(xix) Storm water control and its re-use as per CGWB and BIS standards for various applications.

(xx) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

(xxi) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.

(xxii) 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 affluent, 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 affluent, 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.

(xxiii) 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.

(xxiv) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.

(xxv) 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.

(xxvi) 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.

(xxvii) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.

(xxviii)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.

(xxix) Diesel power generating sets proposed as source of back up 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.

(xxx) 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.

(xxxi) 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.

(xxxii) 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.

(xxxiii) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.

(xxxiv)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.

(xxxv) 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.

(xxxvi)Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.

General Conditions for Post- construction/operation phase-

(i) 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.

(ii) 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.

(iii) Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.

(iv) A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.

(v) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.

(vi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

(vii) 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.

(viii) 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.

(ix) 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.

(x) 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.

(xi) 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, NOx (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.

(xii) 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.

(xiii) 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.

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 Environmental 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 for a period of 7 years as per 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 environmental 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.

(Malini Shankar)
Member Secretary, SEIAA

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.

2. Shri. Jagdish Joshi, Chairman, IAS (Retd.). SEAC-III, Flat no. 3, Tahiti chs. Juhu Vers Ova Link Road, Andheri (W), Mumbai- 400 053.

3. Additional Secretary, MOEF, 'MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.

4. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).

5. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.

6. Managing Director, MSEDCL, MG Road, Fort, Mumbai

7. Collector, Pune.

8. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.

9. Regional Office, MPCB, Pune.

10. Select file (TC-3)

(EC uploaded on 16|1|16)

Annexure V

CONSENT TO ESTABLISH LETTER

(As per EC construction phase Condition: Xi)

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781 /4037124/4035273
Fax : 24044532/4024068 /4023516
Email : rohq@mpcb.gov.in
Visit At : http://mpcb.gov.in

Kalpataru Point, 3rd & 4th floor, Sion- Matunga Scheme Road No. 8, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai - 400022

Infrastructure /LSI
Consent order No: Format1.0/BO/RO-HQ/CC-1902000466 **Date-12/02/2019**

To,
M/s. Paranjape Schemes (Construction) Ltd.,
"Happiness Hub Residential, shopping & Commercial project",
S no. 94, 96 & 97, Village-Varve,
Tal-Bhor, Dist - Pune.

Subject: Consent to Establish for Residential, shopping & Commercial project project under Red Category.

Ref :

1. **Environmental Clearance granted by Envt. Dept. vide no. SEAC-2014/C.R.395/TC-2 dated 16.1.2016.**
2. **Minutes of Consent Committee meeting held on 4.1.2019.**

Your application MPCB-CONSENT-000005021 Dated: 21/05/2016

For: Consent to Establish for Residential, shopping & Commercial project 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 5 of the Hazardous and Other Wastes (M & TM) Rules, 2016and Municipal Solid Waste (Management & Handling) Rule, 2000 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 up to commissioning of the project or 5 years whichever is earlier.**
2. **The proposed capital investment of the project is Rs. 250 Crs. (As per undertaking submitted by project proponent)**
3. **The Consent to Establish is valid for construction of Residential, shopping & Commercial project by M/s. Paranjape Schemes (Construction) Ltd named as "Happiness Hub" at S no. 94, 96 & 97, Village-Varve, Tal-Bhor, Dist - Pune on total plot area of 87,200 sq.m. and total construction built up area 1,35,937.97 sq. mtrs including utilities and services as per commencement certificate issued by local body.**
4. **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	1281	As per Schedule –I	60% should be reused & recycled and remaining should be discharged in municipal sewer

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

Sr. No.	Description of stack/ source	Capacity	Number Of Stack	Standards to be achieved
1	DG Set	320 KVA	1	As Per Schedule –II
2	DG Set	250 KVA	1	As Per Schedule –II

6. **Conditions under Solid Waste Management Rules, 2016:**

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Bio-degradable	2022 Kg/Day	OWC	Use as Manure
2	Non-biodegradable	1113 Kg /Day	Segregation	Segregate and Hand over to Local Body for recycling
3	STP sludge	15 Kg/day		Use as Manure

7. **Conditions under Hazardous & Other Waste (M & TM) Rules, 2016 for treatment and disposal of hazardous waste: Nil**

8. **The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same should be binding on the industry.**

9. **This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.**

10. **Project Proponent shall comply the Construction and Demolition Waste Management Rules, 2016 which is notified by Ministry of Environment, Forest and Climate Change dtd.29/03/2016.**

11. **Project Proponent shall submit an affidavit in Board's prescribed format within 15 days regarding the compliance of conditions of EC/CRZ clearance and C to E.**

12. **Project Proponent shall comply with the conditions stipulated in Environmental Clearance obtained vide no. SEAC-2014/C.R.395/TC-2 dated 16.1.2016.**

For and on behalf of the
Maharashtra Pollution Control Board

(E. Ravendiran, IAS)
Member Secretary

Received Consent fee of –

Amount(Rs.)	DR No.	Received Date	Bank Name
500100	0171493	2016-06-10	HDFC Bank

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune-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.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have proposed to install Sewage Treatment Plants (**STPs**) with the design capacity of **1350 CMD.**

B] The Applicant shall operate the effluent treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or 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	BOD (3 days 27oC)	10
02	Suspended Solids	50
03	COD	100

C) The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, firefighting, on land for gardening etc and remaining shall be discharged in to the municipal sewerage system.

D] Project proponent shall operate STP for five years from the date of obtaining occupation certificate.

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 should 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

2) **Project proponent shall install online monitoring system for monitoring of BOD, SS and flow parameters at the outlet of STP.**

3) The industry should 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) The water consumption is as under:

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Domestic purpose	1423

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. **As per your application, you have 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%	SO_2
1	DG Set (320 KVA)	Acoustic enclosure	3.6*	Diesel	5	Lit/Hr	–	–
2	DG Set (250 KVA)		3.1*					

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

2. **The applicant should 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 should 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

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Establish	Rs. 10 lakh	15 Days	Towards compliance of consent and EC conditions	Upto Commissioning of the project	Five years

Schedule-IV

General Conditions:

1) The applicant should 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 should pay to the Board for the services rendered in this behalf.
2) The firm should strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and environmental protection Act 1986 and Solid Waste Management Rules, 2016 and E-Waste (Management) Rules, 2016.
3) Drainage system should be provided for collection of sewage effluents. Terminal manholes should be provided at the end of the collection system with arrangement for measuring the flow. No sewage should be admitted in the pipes/sewers downstream of the terminal manholes. No sewage should 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) 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) should 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) The industry should 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.
    d) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
    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 should 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 should comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
6) Solid Waste – The applicant should provide onsite municipal solid waste processing system &should comply with Solid Waste Management Rules, 2016 & E-Waste (M) Rules, 2016.
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) The industry should submit official e-mail address and any change will be duly informed to the MPCB.
9) The firm should 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.
10) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.**