

## Consent

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**From:** Consent  
**Sent:** Thursday, December 8, 2022 10:03 AM  
**To:** eccompliance; 'apccfcentral-ngp-mef@gov.in'  
**Cc:** 'Thirunavukkarasu'  
**Subject:** Submission of Post Monitoring Report for the period of April, 2022 – September, 2022 for proposed Residential project Plot Bearing S.No. 93/2+4,....Rohinjan, Panvel, Raigad by M/s Paradise Super Structures – Environmental Clearance - reg.  
**Attachments:** PMR-Sai World Empire-Apr,22-Sept,22.pdf

To,  
**The Director**  
**Ministry of Environment, Forests & Climate Change,**  
Regional Office, West Central Zone,  
New Secretarial Building, East wing, Civil Lane,  
Near Old VCA stadium,  
**Nagpur - 440001.**  
**Maharashtra.**

Subject: Submission of Post Monitoring Report for the period of April, 2022 – September, 2022 for proposed Residential project Plot Bearing S.No. 93/2+4, 93/3, 94/1, 94/2, 94/3A, 94/313, 94/4, 102/1A, 102/4, 102/5A/2, 102/5B, 102/5C, 103/1A, 103/213, 103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad by M/s Paradise Super Structures – Environmental Clearance - reg.

Reference: Clearance letter No. 21-35/2016-IA-III dated 23<sup>rd</sup> October, 2017.

Dear Sir,

This is with reference to the above subject. We are submitting the half yearly, post monitoring report. We are submitting relevant documents needed as follows:

1. Data Sheet.
2. EC compliance Report.
3. Post Environment Monitoring Report.
4. EC letter.
5. Copy of consent to Establish.
6. Copy of Newspaper Advertisement (English & Marathi).

Hope the above are in line with your requirement and kindly acknowledge the receipt.

Thanking you,

Yours faithfully,

**M/S. Paradise Super Structures**

C.C. to : - The Secretary, Environmental Department, Mantralaya, Mumbai.  
- The M.S., MPCB, Sion, Mumbai



Thanks & Regards

**Chandni Rupani**

**M/s. Enviro Analysts and Engineers Private Limited.**

**B-1003, Enviro House, 10th floor.**

**Western Edge-II, W.E Highway.**

**Borivali(E),Mumbai-400066**

**Tel No:91-22 2854 1647/48/49/67/68**

**Email: [c.rupani@caepl.com](mailto:c.rupani@caepl.com)**

**Contact No.: +91 9022334577**

**“File this email in an email folder and save a tree.”**

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**From:** Consent  
**Sent:** Thursday, December 8, 2022 10:03 AM  
**To:** sroraigad1@mpcb.gov.in  
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**Attachments:** PMR-Sai World Empire-Apr,22-Sept,22.pdf

To,  
The Member Secretary,  
M.P.C.Board,  
Kalapataru point, Sion (East),  
Mumbai – 400 022.  
Maharashtra.

Subject: Submission of Post Monitoring Report for the period of April, 2022 – September, 2022 for proposed Residential project Plot Bearing S.No. 93/2+4, 93/3, 94/1, 94/2, 94/3A, 94/313, 94/4, 102/1A, 102/4, 102/5A/2, 102/5B, 102/5C, 103/1A, 103/213, 103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad by M/s Paradise Super Structures – Environmental Clearance - reg.

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- C.C. to: 1. The Director, MoEF&CC, Nagpur.  
2. The Secretary, Environment Department, Mantralaya, Mumbai.



Thanks & Regards

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**PARADISE  
GROUP**

Your World. Our Vision.  
ISO - 9001: 2015 Certified Organization

Date: 07-12-2022

To,  
The Director  
Ministry of Environment, Forests & Climate Change,  
Regional Office, West Central Zone,  
New Secretarial Building, East wing, Civil Lane,  
Near Old VCA stadium,  
Nagpur - 440001.  
Maharashtra.

Subject: Submission of Post Monitoring Report for the period of April, 2022 – September, 2022 for proposed Residential project Plot Bearing S.No. 93/2+4, 93/3, 94/1, 94/2, 94/3A, 94/313, 94/4, 102/1A, 102/4, 102/5A/2, 102/5B, 102/5C, 103/1A, 103/213, 103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad by M/s Paradise Super Structures – Environmental Clearance - reg.

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Yours faithfully,

M/S. Paradise Super Structures

Authorized Signatory

C.C. to : - The Secretary, Environmental Department, Mantralaya, Mumbai.  
- The M.S., MPCB, Sion, Mumbai.

**Paradise Superstructures**

Off : 1701, Satra Plaza, Plot no. 19 & 20, Sector - 19D, Vashi, Navi Mumbai  
Tel.: 022 2783 9000 / 2784 9000 | Fax: 022 2783 6800 | Email: admin@paradisegroup.co.in  
Website: www. paradisegroup.co.in



**PARADISE<sup>®</sup>  
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Date: 07-12-2022

To,

The Director  
Ministry of Environment, Forests & Climate Change,  
Regional Office, West Central Zone,  
New Secretarial Building, East wing, Civil Lane,  
Near Old VCA stadium,  
Nagpur - 440001.  
Maharashtra.

Subject: Present status of Project work for period April, 2022 – September, 2022.

Reference: Clearance letter No. 21-35/2016-IA-III dated 23<sup>rd</sup> October, 2017.

Dear Sir,

This is with reference to the above subject, our proposed Residential project Plot Bearing S.No. 93/2+4, 93/3, 94/1, 94/2, 94/3A, 94/313, 94/4, 102/1A, 102/4, 102/5A/2, 102/5B, 102/5C, 103/1A, 103/213, 103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad by M/s Paradise Super Structures – Environmental Clearance - reg.

The present project status at site is as follows:

Wings	Floors	Status
Building 1- Ceasar	Ground + 3 Podium + 37 Habitable Floors	Ground + 3 Podium + 33 Floors Civil Work Completed
Building 2- Alexander	Ground + 3 Podium + 37 Habitable Floors	Ground + 3 Podium + 33 Floors Civil Work Completed
Building 3- Napoleon	Ground + 3 Podium + 37 Habitable Floors	Ground + 3 Podium + 33 Floors Civil Work Completed

Thanking you,

Yours truly,

M/S. Paradise Superstructures

Authorized Signatory

**Paradise Superstructures**

Off : 1701, Satra Plaza, Plot no. 19 & 20, Sector - 19D, Vashi, Navi Mumbai  
Tel.: 022 2783 9000 / 2784 9000 | Fax: 022 2783 6800 | Email: admin@paradisegroup.co.in  
Website: www.paradisegroup.co.in

# **DATA SHEET**

**M/s. Paradise Super Structures,**

Plot no. S.No. 93/2+4,  
93/3,94/1,94/2,94/3A,94/313,94/4,102/1A,102/4,102/5A/2,102/5B,102/5C,  
103/1A,103/213,103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan,  
Pavel, Raigad

## MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS

Ministry of Environmental and Forests  
Regional Office, West Central Zone, Nagpur.

### Monitoring Report

### PART – I

### DATA SHEET

1.	Project type: river - valley/ mining/ Industry / thermal / nuclear/ Other (specify)	Residential Project.
2.	Name of the project	Sai World Empire
3.	Clearance letter (s) / OM/ no and date:	Clearance F. No. 21-35/2016-IA-III dated 23.10.17.
4.	Location	Plot no. 93/2+4, 93/3, 94/1, 94/2, 94/3A, 94/313, 94/4, 102/1A, 102/4, 102/5A/2, 102/5B, 102/5C, 103/1A, 103/213, 103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad.
a.	District (s)	Thane
b.	State (s)	Maharashtra
5.	Address for correspondence	
a.	Address of concerned project Chief Engineer (with pin code & telephone / telex / fax numbers)	M/s Structural Concept Designs Pvt Ltd- B-803, Maithili's Signet, Plot 39/4, Sector 30A, Vashi, Navi Mumbai, 022 2781 0993
b.	Address of Executive Project Engineer /Manager (with pin code / fax number)	Mr. Patankar Flat No 302, Bldg M-9, Valley Shilp, Sec 36, Kharghar, Navi Mumbai 9833344821
6.	Salient features	
a.	of the project	<ul style="list-style-type: none"> <li>Total Plot Area: 66,260 Sq.m.</li> <li>FSI Area: 176748.51 Sq.m.</li> <li>Non FSI: 2,20,019.9 Sq.m.</li> <li>Total Construction Area: 3,96,768.41 Sq.m.</li> </ul> <p><u>Building Configuration:</u> Sale Building - G+P1 TO P3+34 floors G+P1 TO P3+35 Floors</p>

		Rental Building - Gr. +23 floors Gr + 22 <sup>nd</sup> floors
b.	of the environmental management plans	<p>1. <u>Sewage Treatment Plant:</u></p> <p>Sewage Treatment Plants with capacities of 750, 250 and 650 KLD will be provided for treating the wastewater with MBBR Technology.</p> <p>2. <u>Water Management:</u></p> <p>Rain Water Harvesting shall be provided to recharge the ground water table.</p> <p>3. <u>Solid Waste Management:</u></p> <ul style="list-style-type: none"> <li>• Dry waste: Will be hand over to Local Recyclers for recycling.</li> <li>• Wet waste: Will be processed in the OWC. Manure obtained shall be used for landscaping.</li> <li>• STP Sludge (Dry sludge): To be used as a manure.</li> </ul>
7.	Break Up Of the project Area	
a.	Submerge area: forest & non-forest	Non-Forest
b.	Others	<ul style="list-style-type: none"> <li>• Total Plot Area: 66,260 Sq.m.</li> <li>• FSI Area: 176748.51 Sq.m.</li> <li>• Non FSI: 2,20,019.9 Sq.m.</li> <li>• Total Construction Area: 3,96,768.41 Sq.m.</li> </ul>
8.	Breakup of the project affected: population with enumeration of those losing houses / dwelling units, only agriculture land only, both dwelling units and agriculture land and landless labourers / artisan	Not Applicable.
a.	SC, ST / Adivasis	---
b.	Others	---
	(Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details and years of survey)	
9.	Financial details	
a.	Project cost as originally planned and	Rs. 175 Crores.

	subsequent revised estimates and the year of price reference	
b.	Allocation made for environmental management plans with item wise and year wise break-up	Capital Cost: Rs. 866.9 Lakhs O & M Cost: Rs. 93.5 Lakhs
c.	Benefit cost ratio/ Internal rate of return and the year of assessment	---
d.	Whether (c) includes the cost of environmental management as shown in the above	---
e.	Actual expenditure incurred on the project so far	Rs. 78,24,17,367/-
f.	Actual expenditure incurred on the environmental management plans so far	Nil
1	Forest land required	
a.	The status of approval for diversion of forest land for non-forestry use	The land is of non-forest type hence not applicable.
b.	The status of clearing and felling	R.G. Area Provided: 10,373.61 Sq. m.  A combination of native evergreen trees and ornamental flowering trees, shrubs and palms are planned in the complex. Different species will be selected as per CPCB green belt guidelines and common species available in the proposed area.
c.	The status of compensatory afforestation, if any	---
d.	Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	N.A.
1.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information	N.A.
2.	Status of construction (Actual and/or planned)	
a.	Date of commencement	30-09-2016
b.	Date of completion	---

3.	Reasons for the delay if the project is yet to start	---
4.	Dates of site visits	
a.	The date on which the project was monitored by the regional office on previous occasions, if any	Not yet monitored.
b.	Date of site visit for this monitoring report	08.06.2022; 19.09.2022
5.	Details of correspondence with project authorities for obtaining action plans/information on status on compliance to safeguards other than the routine letters for logistic support for site visits	Clearance F. No. 21-35/2016-IA-III dated 23.10.17. 1701, Satra Plaza, Plot No. 19 & 20, Sector-19D, Vashi, Navi Mumbai — 400705, Maharashtra

# **COMPLIANCE REPORT**

**M/s. Paradise Super Structures,**

Plot no. S.No. 93/2+4,

93/3,94/1,94/2,94/3A,94/313,94/4,102/1A,102/4,102/5A/2,102/5B,102/5C,

103/1A,103/213,103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan,

Panvel, Raigad



# COMPLIANCE REPORT

## PART A- SPECIFIC CONDITIONS:

### I. Construction Phase:

1.	The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.	<p>The development is carried out as per local planning authority.</p> <p>Approval for layout from Mumbai Metropolitan Regional Development Authority (MMRDA), Environment Clearance, Consent to Establish, Power Supply NOC, etc has been obtained from the concerned authorities.</p>
2.	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage system (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	<p>There is no any natural drainage passing through the site. There will be no alternation in the existing drainage pattern of the area.</p> <p>The waste water generated will be treated in STP as below and there shall not be any waste water discharge to natural drainage.</p> <p>Sewage Treatment Plants with capacities of 750, 250 and 650 KLD will be provided for treating the wastewater with MBBR Technology.</p>
3.	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles brining in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site. Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution. Wet jet shall be provided for grinding and stone cutting. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.	<p>Yes, it is barricaded to prevent Dust, Smoke &amp; other air pollutants.</p> <p>Vehicles use for transportation of building materials are covered with plastic sheets, covered transportation system shall be followed.</p> <p>Dust suppression measures are taken. Water sprinkled on unpaved surfaces and loose soil to suppress dust.</p>

4.	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction and Demolition waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016. All workers working at the construction site and involved in loading, uploading, carriage of construction materials and construction debris or working in any area with dust pollution shall be provided with dust mask.	All construction and demolition debris gets collected and segregated properly. Most of that was reused for the construction activity.  This is in accordance with, provisions of the Construction and Demolition Waste Rules, 2016.  Dust mask shall be provided to the all workers working at the construction site and involved in loading, uploading, carriage of construction materials.
5.	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 etc. The housing may be in the form of temporary structures to be removed after the completion of project.	The provision for the 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 etc. is made.
6.	At least 20% of the open spaces as required by the building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.	Open spaces are provided as pervious surface.
7.	Compliance with the Energy conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Building in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, Window, and roof u-values shall be as per ECBC specification.	Energy conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Building in the States which have notified their own ECBC, shall be complied with the State ECBC.
8.	Use of water saving devices/fixtures (via flow flushing systems; use of low flow faucets tap aerators etc.) For water conservation	Proper measures will be incorporated for water conservation in the building plan.

	shall be incorporated in the building plan.	
9.	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.	Dual plumbing system will be adopted for reuse and recycle of water.
10.	Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system shall be done.	Yes, water will be separated by the use of dual plumbing line.
11.	Sewage shall be treated in the STP based on MBBR technology (with tertiary treatment preferably Ultra filtration). The treated effluent from STP shall be recycled/re-used for flushing, horticulture & DG cooling. Excess treated water shall be sent to CETP.	Sewage Treatment Plants with capacities of 750, 250 and 650 KLD will be provided for treating the wastewater with MBBR Technology.
12.	The local bye-law provision on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. As proposed, 3 nos. rain water harvesting tanks of total capacity 261 m <sup>3</sup> shall be provided. In addition, 18 nos. of rain water recharge pit shall be constructed.	Provision of Rain water harvesting has been proposed.  Rooftop rainwater of buildings will be collected and recharged with a capacity of 58 cum.
13.	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from group housing project will be sent to dumping site.	Solid waste shall be segregated into wet garbage and inert materials.  1. Wet Garbage will be collected in separate Bins by Cleaning Staff and Garbage will be transported to Garbage storage area and OWC Area. Organic waste will be converted to compost by using Organic waste converter.  2. Dry Garbage will be collected in separate Bins by Cleaning Staff and Garbage will be transported to Garbage storage area. And handed over to authorized recyclers/vendors for further disposal.
14.	Solar based electric power shall be provided to each unit for at least two bulbs/light and	Annual Power Saving proposed is 23 %. Average Annual power saving with Solar PV

	one fan. As proposed, central lighting and street lighting shall also be based on solar power.	Panels is proposed to be 1.02%. Additional Average Annual Power Saving with Solar hot water Panels for 240 days will be 0.85%
15.	A First Aid Room shall be provided in the project both during construction and operation of the project.	A First Aid box has been provided during both construction and operation phase.
16.	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas and external services. It should be stockpiled appropriately in designed areas and reapplied during plantation of the proposed vegetation on site.	Excavated soil is used for landscaping.
17.	Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposal taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	All construction waste gets collected and segregated properly. Most of that is reused for the construction activity and other will be handed over to authorized recyclers/vendors for further disposal.
18.	The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standard.	No DG set is used for backup during construction phase.
19.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Water demand during construction should be reduced by using RMC regularly.
20.	As proposed, no ground water shall be used during construction/operation phase of the project.	PP reported that there no extraction ground water at the site for construction. Tanker water is used for construction work.
21.	Approval of CGWA require before any dewatering for basement.	PP reported that there is no extraction ground water; tanker water is used for construction work so no use of Ground water is required.
22.	The approval of competent authority shall be obtained for structural safety of the building due to any possible earthquake, adequacy of fire-fighting equipments etc. as per National Building Code including measures from lighting.	Condition is noted by PP.

23.	Any hazardous waste generator during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra pollution Control Board.	This is the construction project; no such hazardous waste is generated on site.
24.	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.	The PUC checked/authorized vehicles are allowed on the site for transfer of material.
25.	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.	<p>During construction, phase adequate measures are taken to maintain the prescribed limits.</p> <p>Ambient air &amp; Noise level monitoring is being carried out during construction phase.</p> <p>Monitoring reports for Air &amp; Noise are attached.</p>
26.	Use of environmental friendly materials in bricks, blocks and other construction materials shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime gypsum blocks, Compressed earth blocks, and other environment friendly materials. Fly ash should be used as building material in the construction as per the provision of fly Ash Notification of September, 1999 and amended as on 27 <sup>th</sup> August, 2003 and 25 <sup>th</sup> January, 2016. Ready, mixed concrete must be used in building construction.	Yes, Ready mixed concrete added with fly ash is being used in the construction.
27.	An assessment of the cumulative impact of all activities being carried out or proposed to be carried out by the project shall be made for traffic densities and parking capabilities in a 05 Kms radius from the site. A details traffic management and a traffic decongestion plan drawn up through an organization of repute and specializing in transport planning shall be implemented to the satisfaction of the State Urban Development and Transport Departments shall also include the consent of	<ul style="list-style-type: none"> <li>This effect would be prominent during construction as well as operation phase. The probability of inconvenience faced due to the frequency of truck movement during construction phase would be minimized by better control of traffic movement in the area. Noise levels expected from the planned operating conditions have been assessed and are likely to be within acceptable levels. The impacts have been mitigated by the suggested measures in the "air control and</li> </ul>

	all the concerned implementing agencies.	management section”.  <ul style="list-style-type: none"> <li>• Anti-honking sign boards are placed in the parking areas and on entry and exit point. The project will be provided with sufficient road facilities within the project premises and there will be a large area provided for the parking of vehicles.</li> </ul>
28.	<p>A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.</p> <ul style="list-style-type: none"> <li>• Hierarchy of roads with proper segregation of vehicular and pedestrian traffic</li> <li>• Traffic calming measures</li> <li>• Proper design of entry and exit points</li> <li>• Parking norms as per local regulations</li> </ul>	<p>The internal roads are undivided to maintain flexibility of traffic lanes. Minimum 6m wide roadway width has been provided for the movement of vehicles. Recommended design speed on the internal road is 15kmph and on the turns is 10kmph. Speed tables will be provided near the entrance/exit point to control traffic and regulate speed of vehicles</p> <ul style="list-style-type: none"> <li>• Road Markings and Signages: Proper Road markings (edge, median, arrows, turning, Kerb) and signages (direction, turning, speed, and pedestrian crossings) will be installed and maintained on all roads in the vicinity of project premises.</li> <li>• On-street parking will be prohibited on all external and internal streets.</li> <li>• Pick and drop at designated places only.</li> <li>• Preferably no U-Turn on roadway</li> <li>• Traffic calming measures – speed tables, signage</li> </ul>

## II. Operational Phase:

1.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.	<p>Yes, it will be as per CPCB norms. Monitoring of the DG set is carried out the results are within limits.</p> <p>Reports attached.</p>
2.	For indoor air quality the ventilation provisions as per National Building Code of India.	Condition is noted, shall be complied.
3.	Fresh water requirement from MJP water supply shall not exceed 138 m <sup>3</sup> /day.	Condition is noted by PP.



4.	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.	Condition is noted. Monitoring is carried out periodically and records are submitted along with the six-monthly reports.
5.	The installation of Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.	The waste water generated will be treated in STP as below and there shall not be any waste water discharge to natural drainage.  Sewage Treatment Plants with capacities of 750, 250 and 650 KLD will be provided for treating the wastewater with MBBR Technology.
6.	No sewage or untreated effluent water would be discharged through storm water drains.	Condition is noted. No sewage or untreated effluent water shall be discharged through storm water drains.
7.	Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.	Sludge from the onsite sewage treatment, including septic tanks shall be collected and will be used as manure for gardening.
8.	The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.	Condition is noted.
9.	Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/local building bye-laws requirement, whichever is higher.	Annual Power Saving proposed is 23 %. Average Annual power saving with Solar PV Panels is proposed to be 1.02%. Additional Average Annual Power Saving with Solar hot water Panels for 240 days will be 0.85%.
10.	Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heaters shall be provided to meet 20% of the hot water demand of the commercial and institutional	Annual Power Saving proposed is 23 %. Average Annual power saving with Solar PV Panels is proposed to be 1.02%. Additional Average Annual Power Saving with Solar hot water Panels for 240 days will be 0.85% to meet the hot water demand.

	building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water demand from solar water heaters, as far as possible.	
11.	Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be used to meet hot water demand, as far as possible.	Solar power shall be used for lighting in the apartment to reduce the power load on grid.
12.	Energy conservation measures like installation of CFL's/LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used CFL's, TFL and LED shall be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.	<p>A separate energy conservation report attached with this report.</p> <ul style="list-style-type: none"> <li>• More than 23% energy saving in terms of demand load of the entire project by different energy saving measures and with solar.</li> </ul>
13.	A minimum of 1 tree for every 80 m <sup>2</sup> of land should be planted and maintained. The existing trees will be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of 3 trees for every 1 tree for every 1 tree that is cut) shall be done and maintained. As proposed 1159 sqm area shall be provided for green belt development.	<p>R.G. Area Provided 10,373.61 Sq. m.</p> <p>A combination of native evergreen trees and ornamental flowering trees, shrubs and palms are planned in the complex. Different species will be selected as per CPCB green belt guidelines and common species available in the proposed area.</p>



14.	An environmental management plan (EMP) shall be prepared and implemented to ensure compliance with the environmental conditions specified above. A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like Sewage Treatment Plant, Landscaping, Rain water Harvesting, Energy efficiency and conservation, water efficiency and conservation, solid waste management, renewable energy etc. are kept operational and meet the required standards. The environmental cell shall also keep the records of environment monitoring and those related to the environment infrastructure.	EMP cost has been worked out and allocated. Year wise expenditure of the same is submitted to MPCB and Env. Dept., in the 6 monthly compliance.  Capital Cost: Rs. 866.9 Lakhs O & M Cost: Rs. 93.5 Lakhs
15.	The company shall draw up and implement a corporate social Responsibility plan as per the Company's Act of 2013.	Condition is noted by PP.

### Part B – GENERAL CONDITIONS:

1.	A copy of the environmental clearance letter shall also be displayed on the website of the concerned at the Regional Office, District Industries center and Collector's office/Tehsildar's office for 30 days.	Condition is noted by PP.
2.	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be delivered for other purpose. Year-wise expenditure shall be reported to this ministry and its concerned Regional office.	Year wise expenditure of the same is submitted to MPCB and Env. Dept., in the 6 monthly compliance.
3.	Officials from the Regional Office MoEF&CC, Nagpur who would be monitoring the implementation of environmental safeguards should be given full corporation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the APCCF, Regional Office of MoEF&CC, and Nagpur.	A complete set of all the documents submitted to MoEF&CC is submitted regularly to the, Regional Office of MoEF&CC, Nagpur, MPCB and Mantralaya.

4.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Condition is noted by PP.
5.	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the suggested safeguard measures in a time bound and satisfactory manner.	Condition is noted by PP.
6.	All other statutory clearance such as the approvals for storage of diesel from chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective component authorities.	Condition is noted by PP.
7.	These stipulations would be enforced among others under the provisions of the water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.	Condition is noted by PP.
8.	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a> .	The advertisement is published in Marathi and English language local newspaper. In Marathi newspaper 'Navshakti' dtd. 27.07.2017 & in English newspaper 'The Free Press Journal' dtd. 27.07.2017 respectively. Copies of same are enclosed for your ready reference.
9.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, Van Vigyan Bhawan, Sec-5, R.K. Puram, New Delhi – 110 022, if preferred within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Condition is noted by PP.

10.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body 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.	Condition is noted by PP.
11.	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&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Condition is noted by PP.
12.	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&CC by email.	PP agreed to comply the condition.
13.	These issues with the approval of the Competent Authority.	Condition is noted by PP.

# **ENERGY CONSERVATION MEASURES**

**M/s. Paradise Super Structures,**

Plot no. S.No. 93/2+4,

93/3,94/1,94/2,94/3A,94/313,94/4,102/1A,102/4,102/5A/2,102/5B,102/5C,

103/1A,103/213,103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan,

Panvel, Raigad

## ENERGY CONSERVATION MEASURES

PARTICULARS	RENATL BUILDING	SALE BUILDING
Connected load (Kw)	14203	32947
Maximum Demand (Kw)	6015	14218
DG set	1 X 500 KVA 1X385KVA+1 X 40 KVA	2 X 750 KVA X600 KVA+1 X 285 KVA

FOR RENTAL BUILDING					
No	Description	Connected Load in Kw	MD in Kw	Savings in Kw	Solar water Heating panels
	Residential Apartments				
	FLATS LOAD				
	BUILDING 1				
	1 BHK FLAT = 982 NOS.				

	Inverter AC, Water heater, Kitchen Equip, Fridge etc	9,967.30	3,986.92	530.28	
	Lighting with CFL, LED	459.58	183.83	137.87	9
	Solar water heating panels				
	<b>BUILDING 2</b>				
	1 BHK FLAT = 277 NOS.				
	Inverter AC, Water heater, Kitchen Equip, Fridge etc	2,811.55	1,124.62	145.43	
	Lighting with CFL, LED	129.64	51.85	38.89	5
	Solar water heating panels				
	<b>Common Areas</b>				
	<b>BUILDING 1</b>				
	Lighting with CFL, LED	7.7	110.14	41.30	
	Building 1 lifts	7	125.33	7.83	
	Building 1 RAW POWER		2.32		
	<b>BUILDING 2</b>				
	Lighting with CFL, LED	40	37.92	14.22	
	Building 2 lifts		71.62	4.48	

	Building 2 RAW POWER		1.42		
	RENTAL BULDING 1,& 2 ROAD LIGHTS	0	10.40	3.90	
	<b>COMMERCIAL LOAD</b>				
	<b>BUILDING - SHOPS =8 NOS.</b>				
	Inverter AC, Raw Power ,etc		18.59	6	
	Lighting with CFL, LED	3.87	3.10	1.16	
	Energy Efficient Pumping Machinery	211.86	169.49	10.59	
	FIRE FIGHTING	238.72	190.98		
	Stand Alone Solar Light				
	<b>Total</b>	<b>14,295</b>	<b>6,089</b>	<b>959</b>	<b>524</b>
					<b>SOLAR PANEL</b>
	<b>Annual % Power Saving Without Solar Panels</b>			<b>.75</b>	
	<b>Annual % Power Saving With Solar Panels</b>			<b>.41</b>	<b>1363</b>

FOR RENTAL BUILDING					
No	Description	Connected Load in Kw	MD in Kw	Savings in Kw	Solar water Heating panels

	<b>Residential Apartments</b>				
	<b>FLATS LOAD</b>				
	<b>BUILDING 1</b>				
	1 BHK FLAT = 982 NOS.				
	Inverter AC, Water heater, Kitchen Equip, Fridge etc	9,967.30	3,986.92	530.28	
	Lighting with CFL, LED	459.58	183.83	137.87	409
	Solar water heating panels				
	<b>BUILDING 2</b>				
	1 BHK FLAT = 277 NOS.				
	Inverter AC, Water heater, Kitchen Equip, Fridge etc	2,811.55	1,124.62	145.43	
	Lighting with CFL, LED	129.64	51.85	38.89	115
	Solar water heating panels				
	<b>Common Areas</b>				
	<b>BUILDING 1</b>				



	Lighting with CFL, LED	137.7	110.14	41.30	
	Building 1 lifts	157	125.33	7.83	
	Building 1 RAW POWER	3	2.32		
	<b>BUILDING 2</b>				
	Lighting with CFL, LED	47.40	37.92	14.22	
	Building 2 lifts	90	71.62	4.48	
	Building 2 RAW POWER	2	1.42		
	RENTAL BULDING 1,& 2 ROAD LIGHTS	13.0	10.40	3.90	
	<b>COMMERCIAL LOAD</b>				
	<b>BUILDING - SHOPS =8 NOS.</b>				
	Inverter AC, Raw Power ,etc		18.59	6	
	Lighting with CFL, LED	3.87	3.10	1.16	
	Energy Efficient Pumping Machinery	211.86	169.49	10.59	
	FIRE FIGHTING	238.72	190.98		
	Stand Alone Solar Light				

	<b>Total</b>	<b>14,295</b>	<b>6,089</b>	<b>959</b>	<b>524</b>
					<b>SOLAR PANEL</b>
	<b>Annual % Power Saving Without Solar Panels</b>			<b>75</b>	
	<b>Annual % Power Saving With Solar Panels</b>			<b>41</b>	<b>1363</b>

<b>No</b>	<b>Description</b>	<b>Connected Load in Kw</b>	<b>MD in Kw</b>	<b>Savings in Kw</b>	<b>Solar water Heating panels</b>
	<b>ALEXANDER</b>				
	<b>2 BHK BIG FLAT = 70 NOS.</b>				
	Inverter AC, Water heater, Kitchen Equip, Fridge etc	1,256.50	502.60	90.79	
	Lighting with CFL, LED	52.78	21.11	15.83	
	<b>3 BHK SMALL FLAT = 56 NOS.</b>				
	Inverter AC, Water heater, Kitchen Equip, Fridge etc	1,162.00	464.80	76.44	
	Lighting with CFL, LED	46.59	18.64	13.98	

	3 BHK BIG FLAT = 58 NOS.				
	Inverter AC, Water heater, Kitchen Equip, Fridge etc	1,293.40	517.36	91.35	
	Lighting with CFL, LED	55.80	22.32	16.74	
	2 BHK SMALL FLAT = 68 NOS.				
	Inverter AC, Water heater, Kitchen Equip, Fridge etc	1,115.20	446.08	80.82	
	Lighting with CFL, LED	42.43	16.97	12.73	
	Solar water heating panels			0	
	CLEOPATRA				
	2 BHK BIG FLAT = 68 NOS.				
	Inverter AC, Water heater, Kitchen Equip, Fridge etc	1,220.60	488.24	88.20	
	Lighting with CFL, LED	51.27	20.51	15.38	
	3 BHK SMALL FLAT = 68 NOS.				
	Inverter AC, Water heater, Kitchen Equip, Fridge etc	1,411.00	564.40	92.82	
	Lighting with CFL, LED	56.58	22.63	16.97	

	3 BHK BIG FLAT = 56 NOS.				
	Inverter AC, Water heater, Kitchen Equip, Fridge etc	1,248.80	499.52	88.20	
	Lighting with CFL, LED	53.87	21.55	16.16	
	2 BHK SMALL FLAT = 68 NOS.				
	Inverter AC, Water heater, Kitchen Equip, Fridge etc	1,115.20	446.08	80.82	
	Lighting with CFL, LED	42.43	16.97	12.73	
	Solar water heating panels				3

Sr No	Description	Connected Load in Kw	MD in Kw	Savings in Kw	Solar water Heating panels
6	ELIZABETH				
	2 BHK BIG FLAT = 68 NOS.				
a	Inverter AC, Water heater, Kitchen Equip, Fridge etc	1,220.60	488.24	88.20	

b	Lighting with CFL, LED	51.27	20.51	15.38	
6A	3 BHK SMALL FLAT = 68 NOS.				
a	Inverter AC, Water heater, Kitchen Equip, Fridge etc	1,411.00	564.40	92.82	
b	Lighting with CFL, LED	56.58	22.63	16.97	
6B	3 BHK BIG FLAT = 56 NOS.				
a	Inverter AC, Water heater, Kitchen Equip, Fridge etc	1,248.80	499.52	88.20	
b	Lighting with CFL, LED	53.87	21.55	16.16	
6C	2 BHK SMALL FLAT = 68 NOS.				
a	Inverter AC, Water heater, Kitchen Equip, Fridge etc	1,115.20	446.08	80.82	
b	Lighting with CFL, LED	42.43	16.97	12.73	
6D	Solar water heating panels				135
II	<b>Common Areas</b>				
a	CAESER				

	Lighting with CFL, LED	43.2	34.54	12.95	
	lifts	97	77.58	4.85	
b	NAPOLEAN				
	Lighting with CFL, LED	43.8	35.03	13.14	
	lifts	97	77.58	4.85	
c	CHARLES				
	Lighting with CFL, LED	43.3	34.65	12.99	
	lifts	97	77.58	4.85	
d	ALEXANDER				
	Lighting with CFL, LED	41.8	33.46	12.55	
	lifts	97	77.58	4.85	
e	CLEOPATRA				
	Lighting with CFL, LED	42.2	33.79	12.67	

	lifts	97	77.58	4.85	
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Sr No	Description	Connected Load in Kw	MD in Kw	Savings in Kw	Solar water Heating panels
f	ELIZABETH				
	Lighting with CFL, LED	43.0	34.38	12.89	
	lifts	97	77.58	4.85	
g	EXTERNAL ROAD + EXTERNAL PARKING	35	28.29	10.61	
h1	LIGHTS - PLOT GROUND PARKING	92	73.73	27.65	
h2	PLOT GROUND PARKING WITH JET FANS FOR AIR MOBILISATION 2250/4450 CMH WITH CO SENSERS	62	49.79	31.12	
i1	LIGHT - PLOT PODIUM 1	66	52.85	19.82	
i2	PLOT PODIUM 1 WITH JET FANS FOR AIR MOBILISATION WITH CO SENSERS	45	35.69	22.30	
j1	LIGHT -PLOT PODIUM 2 W	78	62.28	23.35	

j2	PLOT PODIUM 2 WITH JET FANS FOR AIR MOBILISATION WITH CO SENSERS	53	42.06	26.29	
k1	LIGHT - PLOT LANDSCAPE AT GARDEN LEVEL	58	46.25	17.35	
k2	RAW POWER-PLOT LANDSCAPE AT GARDEN LEVEL	0	-	-	
7	<b>CAESER - SHOPS =13 NOS.</b>				
a	Inverter AC, Raw Power ,etc	58	46.68	6.93	
b	Lighting with CFL, LED	9.73	7.78	2.92	
8	<b>ALEXANDER SHOPS = 14 NOS.</b>				
a	Inverter AC, Raw Power ,etc	62.46	49.97	7.42	
b	Lighting with CFL, LED	10.41	8.33	3.12	
9	<b>NAPOLEAN SHOPS = 13 NOS.</b>				
a	Inverter AC, Raw Power ,etc	58	46.72	6.94	
b	Lighting with CFL, LED	9.73	7.79	2.92	
10	CLUB HOUSE				
a	AC, Water heater, Kitchen Equip, Fridge etc	395.90	316.72	40.95	



b	Lighting with CFL, LED	48.43	38.74	14.53	
c	Solar water heating solar panels				42
1	Energy Efficient Pumping Machinery	426.71	328.99	21.34	
2	Fire Fighting Pumps	352	281.99		
3	SOLAR LIGHTS			30.00	
	<b>Total</b>	<b>33,080</b>	<b>14,324</b>	<b>2,851</b>	<b>824</b>
				<b>19.9</b>	Solar panels
	ANNUAL % POWER SAVING WITHOUT SOLAR PANELS			19.9	
	ANNUAL % POWER SAVING WITH SOLAR PANELS			23.0	972761

# **HALF YEARLY POST ENVIRONMENTAL MONITORING REPORT**

OF

## **“Sai World Empire”**

Residential Project.

For

**April, 2022 - September, 2022**

**M/s. Paradise Super Structures,**

Plot no. S.No. 93/2+4,

93/3,94/1,94/2,94/3A,94/313,94/4,102/1A,102/4,102/5A/2,102/5B,102/5C,  
103/1A,103/213,103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad

Prepared by

**ENVIRO ANALYSTS & ENGINEERS P. LTD.,**

## Water Sample Analysis Report

Report No. - EAEPL/PM/PSS/09-06/06/2022			Report Date –16.06.2022
Name of Customer	M/s. PARADISE SUPER STRUCTURES		Reference – Verbal
Site Address	“SAI WORLD EMPIRE” Plot Bearing S. No. 93/2+4, 93/3, 94/1, 94/2, 94/3A, 94/3B, 94/4, 102/1A, 102/4, 102/5A/2, 102/5B, 102/5C, 103/1A, 103/2B, 103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad.		
Nature and Description of Sample	Tanker Water	Sample Collected by	
Sampling locations and Sample Code	PM/W/09-06/06/22 (Near Site Office Area)	Sample quantity and packing	2 L X 1 No. PVC Can. 500 ml X 1 No. Glass sterilized bottle.
		Sample Preservation	Cool -Transported and stored at 5 °C (± 1°C).
Date of Sampling	08.06.2022	Date of Receipt	09.06.2022
Sampling Procedure	EAEPL/LAB/SOP/02		
Period of Analysis	09.06.2022 to 16.06.2022		
Report for the month	June, 2022		

Discipline: Chemical

Group: Water

Parameters	Unit	Results	Method
pH	-	7.67	IS 3025 (Part 11) 1983 Reaffirmed 2017
Total Dissolved Solids	mg / l	272.00	IS 3025 (Part 16) 1984 Reaffirmed 2017
Turbidity	NTU	< 1.00	IS 3025 (Part 10) 1984 Reaffirmed 2017
Alkalinity	mg / l	55.83	IS 3025 (Part 23) 1986 Reaffirmed 2019
Chlorides as Cl	mg / l	63.37	IS 3025 (Part 32) 1988 Reaffirmed 2019
Total Hardness	mg / l	168.65	IS 3025 (Part 21) 2009 Reaffirmed 2019
Calcium	mg / l	51.30	IS 3025 (Part 40) 1991 Reaffirmed 2019
Residual chlorine	mg / l	< 0.10	IS 3025 (Part 26) 1986 Reaffirmed 2019
Sulphate	mg / l	25.60	IS 3025 (Part 24) 1986 Reaffirmed 2019
Nitrate	mg / l	0.52	APHA 4500 NO <sub>3</sub> -B (23 <sup>rd</sup> Edition)
Fluoride	mg / l	0.36	APHA 4500 F-D (23 <sup>rd</sup> Edition)
<b>Heavy Metals:</b>			
Iron (Fe)	mg / l	0.132	IS 3025 (Part 53) 2003 Reaffirmed 2019
Copper (Cu)	mg / l	0.018	IS 3025 (Part 42) 1992 Reaffirmed 2019
Zinc (Zn)	mg / l	0.079	IS 3025 (Part 49) 1994 Reaffirmed 2019
Lead (Pb)	mg / l	0.001	IS 3025 (Part 47) 1994 Reaffirmed 2019
Chromium (Cr)	mg / l	0.018	IS 3025 (Part 52) 2003 Reaffirmed 2019

End

For M/s. ENVIRO ANALYSTS &amp; ENGINEERS PVT. LTD.,

 Authorized Signatory  
(Netra Pawar)

Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).  
2. This report is not to be reproduced except in full, without written approval of the laboratory.

## Water Sample Analysis Report

Report No. - EAEPL/PM/PSS/09-06/06/2022			Report Date –16.06.2022
Name of Customer	M/s. PARADISE SUPER STRUCTURES		Reference – Verbal
Site Address	“SAI WORLD EMPIRE” Plot Bearing S. No. 93/2+4, 93/3, 94/1, 94/2, 94/3A, 94/3B, 94/4, 102/1A, 102/4, 102/5A/2, 102/5B, 102/5C, 103/1A, 103/2B, 103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad.		
Nature and Description of Sample	Tanker Water	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	PM/W/09-06/06/22 (Near Site Office Area)	Sample quantity and packing	500ml x 1 No. St. PP. Bottle
		Sample Preservation	Cool -Transported and stored at 5 °C (± 1°C).
Date of Sampling	08.06.2022	Date of Receipt	09.06.2022
Sampling Procedure	EAEPL/LAB/MB/SOP/17		
Period of Analysis	09.06.2022 to 16.06.2022		
Report for the month	June, 2022		

Discipline: Biological

Group: Water

Parameters	Unit	Results	Method
<b>Microbiological Analysis:</b>			
Coliforms	MPN/100ml	< 1	IS 1622:1981 Reaffirmed (2019)
<i>E. coli</i>	MPN/100ml	Absent	IS 1622:1981 Reaffirmed (2019)

End

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

Authorized Signatory  
(Shweta Sonawane)

Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).  
2. This report is not to be reproduced except in full, without written approval of the laboratory.



## Ambient Air Quality Monitoring Report

Report No. - EAEPL/PM/PSS/09-05/06/2022			Report Date - 16.06.2022
Name of Customer	M/s. PARADISE SUPER STRUCTURES		Reference – Verbal
Site Address	“SAI WORLD EMPIRE” Plot Bearing S. No. 93/2+4, 93/3, 94/1, 94/2, 94/3A, 94/3B, 94/4, 102/1A, 102/4, 102/5A/2, 102/5B, 102/5C, 103/1A, 103/2B, 103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad		
Nature and Description of Sample	Ambient Air	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	PM/A/09-05/a,b,c,d/06/22 (Near Main gate Tower # 1)	Sample quantity and packing	PM <sub>10</sub> = 1 * 1 No. Filter paper. PM <sub>2.5</sub> = 1 * 1 No. Filter paper. SO <sub>x</sub> = 30ml * 2 No. PVC bottle. NO <sub>x</sub> = 30ml * 2 No. PVC bottle.
		Sample Preservation	Filter papers – Transported and stored in desiccator. PVC bottles - Transported and stored at 5°C (±1 °C).
Date of Sampling	08.06.2022	Date of Receipt	09.06.2022
Sampling Procedure	EAEPL/LAB/SOP/01		
Period of Analysis	09.06.2022 to 16.06.2022		
Report for the month	June, 2022		

Discipline: Chemical

Group: Atmospheric Pollution

Environmental Conditions			
Ambient Air Temperature (°C)		Relative Humidity (%)	Duration of Monitoring
33.00		61.00	8 hours
RESULTS			
Tests Parameter	Results	NAAQS LIMITS	METHOD
R.S.P.M (PM <sub>10</sub> ) (µg/m³)	72.86	100 µg/m³	IS 5182 Part 23
R.S.P.M (PM <sub>2.5</sub> ) (µg/m³)	37.49	60 µg/m³	EAEPL/LAB/SOP/AIR/05
SO <sub>2</sub> (µg/m³)	19.01	80 µg/m³	IS 5182 Part-2 (2001) Reaffirmed 2017
NO <sub>x</sub> (µg/m³)	23.31	80 µg/m³	IS 5182 Part-6 (2006) Reaffirmed 2017

**Remark:** All the measured values are within NAAQS limits.

-----End-----

 For M/s. **ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,**

  
 Authorized Signatory  
 (Netra Pawar)

 Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).  
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## Ambient Noise Level Monitoring Report

Report No. - EAEPL/PM/PSS/09-08/06/2022			Report Date - 16.06.2022
Name of Customer	M/s. PARADISE SUPER STRUCTURES		Reference – Verbal
Site Address	“SAI WORLD EMPIRE” Plot Bearing S. No. 93/2+4, 93/3, 94/1, 94/2, 94/3A, 94/3B, 94/4, 102/1A, 102/4, 102/5A/2, 102/5B, 102/5C, 103/1A, 103/2B, 103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad		
Nature and Description of Sample	Noise	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	PM/N/09-08/06/22	Sample quantity and packing	Not Applicable
Date of Sampling	08.06.2022	Date of Receipt	Not Applicable
Sampling Procedure	EAEPL/LAB/SOP/04		
Period of Analysis	Not Applicable		
Report for the month	June, 2022		

Discipline: Chemical

Group: Atmospheric Pollution

Monitoring Locations	Units	Results		CPCB Norms	
		Day Time	Night Time	Day	Night
Near Main Gate of Site	dB(A) Leq.	54.6	44.2	55	45
Centreside of Site	dB(A) Leq.	53.8	43.4	55	45
Near Backside of Site	dB(A) Leq.	54.7	44.6	55	45
Near Site Office	dB(A) Leq.	53.9	43.7	55	45

**Remark:** The noise level was observed to be within CPCB limit at all of the locations.

End

For M/s. ENVIRO ANALYSTS &amp; ENGINEERS PVT. LTD.,

 Authorized Signatory  
(Netra Pawar)

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**ENVIRO ANALYSTS & ENGINEERS PVT. LTD.**

(NABET, NABL Accredited and MoEFCC Approved)

CIN No-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP

B-1003, Enviro House, 10th Flr, Western Edge II, W.E. Highway, Borivali (E), Mumbai-400066

## Soil Sample Analysis Report

Report No - EAEPL/PM/PSS/09-07/06/2022			Report Date – 16.06.2022
Name of Customer	M/s. PARADISE SUPER STRUCTURES		Reference – Verbal
Site Address	“SAI WORLD EMPIRE” Plot Bearing S. No. 93/2+4, 93/3, 94/1, 94/2, 94/3A, 94/3B, 94/4, 102/1A, 102/4, 102/5A/2, 102/5B, 102/5C, 103/1A, 103/2B, 103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad		
Nature and Description of Sample	Soil	Sample Collected by	
Sampling locations and Sample Code	PM/S/09-07/06/22 Back Side of Const. site	Sample quantity and packing	500 gm X 1 zip lock bag
		Preservation	Transported & stored in dry area
Date of Sampling	08.06.2022	Date of Receipt	09.06.2022
Sampling Procedure	EAEPL/LAB/SOP/03		
Period of Analysis	09.06.2022 to 16.06.2022		
Report for the month	June, 2022		

**Discipline: Chemical****Group: Soil & Rock**

Parameters	Unit	Results	Methods
pH	-	7.61	IS 2720 (Part 26) (1987), Reaffirmed:2021
Electrical Conductivity	µS/cm	351.27	IS 14767:2000, Reaffirmed:2021
Organic Matter	%	2.20	IS 2720 (Part 22) (1972), Reaffirmed:2020
Soil Moisture	%	17.49	IS 2720 (Part 02) (1973), Reaffirmed:2020 Oven Drying Method
Water Holding Capacity	%	36.22	EAEPL/LAB/SOP/SOIL/10
Total Kjeldhal Nitrogen	mg/kg	828.54	IS 14684:1999, Reaffirmed:2019
Available Phosphorus	mg/kg	1.71	EAEPL/LAB/SOP/SOIL/11
Sulphate	mg/kg	30.31	IS 2720 (Part 27):1977 (Reaffirmed 2020)
Chlorides	mg/kg	101.15	EAEPL/LAB/SOP/SOIL/03
Calcium	mg/kg	2191.17	EPA 9080
Magnesium	mg/kg	119.92	EPA 9080
Sodium (Na)	mg/kg	3377.79	EPA 3050B
Potassium (K)	mg/kg	3180.10	EPA 3050B
<b>Heavy Metals:</b>			
Iron	mg/kg	79322.33	EPA 3050B
Lead	mg/kg	101.18	EPA 3050B
Copper	mg/kg	104.06	EPA 3050B
Zinc	mg/kg	138.49	EPA 3050B

End

For M/s. ENVIRO ANALYSTS &amp; ENGINEERS PVT. LTD.

Authorized Signatory  
(Netra Pawar)

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## Ambient Air Quality Monitoring Report

Report No. - EAEPL/PM/PSS/20-05/09/2022			Report Date - 27.09.2022
Name of Customer	M/s. PARADISE SUPER STRUCTURES		Reference – Verbal
Site Address	“SAI WORLD EMPIRE” Plot Bearing S. No. 93/2+4, 93/3, 94/1, 94/2, 94/3A, 94/3B, 94/4, 102/1A, 102/4, 102/5A/2, 102/5B, 102/5C, 103/1A, 103/2B, 103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad		
Nature and Description of Sample	Ambient Air	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	PM/A/20-05/a,b,c,d/09/22 (Near Main gate Tower # 1)	Sample quantity and packing	PM <sub>10</sub> = 1 * 1 No. Filter paper. PM <sub>2.5</sub> = 1 * 1 No. Filter paper. SO <sub>x</sub> = 30ml * 2 No. PVC bottle. NO <sub>x</sub> = 30ml * 2 No. PVC bottle.
		Sample Preservation	Filter papers – Transported and stored in desiccator. PVC bottles - Transported and stored at 5°C (±1 °C).
Date of Sampling	19.09.2022	Date of Receipt	20.09.2022
Sampling Procedure	EAEPL/LAB/SOP/01		
Period of Analysis	20.09.2022 to 27.09.2022		
Report for the month	September, 2022		

Discipline: Chemical

Group: Atmospheric Pollution

Environmental Conditions			
Ambient Air Temperature (°C)	Relative Humidity (%)		Duration of Monitoring
30.00	54.00		8 hours
RESULTS			
Tests Parameter	Results	NAAQS LIMITS	METHOD
R.S.P.M (PM <sub>10</sub> ) (µg/m <sup>3</sup> )	59.87	100 µg/m <sup>3</sup>	IS 5182 (Part 23) 2006 Reaffirmed 2017
R.S.P.M (PM <sub>2.5</sub> ) (µg/m <sup>3</sup> )	23.75	60 µg/m <sup>3</sup>	IS 5182 (Part 24) 2019
SO <sub>2</sub> (µg/m <sup>3</sup> )	18.84	80 µg/m <sup>3</sup>	IS 5182 Part-2 (2001) Reaffirmed 2017
NO <sub>x</sub> (µg/m <sup>3</sup> )	23.06	80 µg/m <sup>3</sup>	IS 5182 Part-6 (2006) Reaffirmed 2017

**Remark:** All the measured values are within NAAQS limits.

End

For M/s. ENVIRO ANALYSTS &amp; ENGINEERS PVT. LTD.,

 Authorized Signatory  
(Netra Pawar)

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**ENVIRO ANALYSTS & ENGINEERS PVT. LTD.**

(NABET, NABL Accredited and MoEFCC Approved)

CIN No-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP

B-1003, Enviro House, 10th Flr, Western Edge II, W.E. Highway, Borivali (E), Mumbai-400066

## Water Sample Analysis Report

Report No. - EAEPL/PM/PSS/20-06/09/2022			Report Date –27.09.2022
Name of Customer	M/s. PARADISE SUPER STRUCTURES		Reference – Verbal
Site Address	“SAI WORLD EMPIRE” Plot Bearing S. No. 93/2+4, 93/3, 94/1, 94/2, 94/3A, 94/3B, 94/4, 102/1A, 102/4, 102/5A/2, 102/5B, 102/5C, 103/1A, 103/2B, 103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad.		
Nature and Description of Sample	Tanker Water	Sample Collected by	
Sampling locations and Sample Code	PM/W/20-06/09/22 (Near Site Office Area)	Sample quantity and packing	2 L X 1 No. PVC Can. 500 ml X 1 No. Glass sterilized bottle.
		Sample Preservation	Cool -Transported and stored at 5 °C (± 1°C).
Date of Sampling	19.09.2022	Date of Receipt	20.09.2022
Sampling Procedure	EAEPL/LAB/SOP/02		
Period of Analysis	20.09.2022 to 27.09.2022		
Report for the month	September, 2022		

Discipline: Chemical

Group: Water

Parameters	Unit	Results	Method
pH	-	7.24	IS 3025 (Part 11) 2022
Total Dissolved Solids	mg / l	264.00	IS 3025 (Part 16) 1984 Reaffirmed 2017
Turbidity	NTU	< 1.00	IS 3025 (Part 10) 1984 Reaffirmed 2017
Alkalinity	mg / l	50.75	IS 3025 (Part 23) 1986 Reaffirmed 2019
Chlorides as Cl	mg / l	60.83	IS 3025 (Part 32) 1988 Reaffirmed 2019
Total Hardness	mg / l	151.22	IS 3025 (Part 21) 2009 Reaffirmed 2019
Calcium	mg / l	46.49	IS 3025 (Part 40) 1991 Reaffirmed 2019
Residual chlorine	mg / l	< 0.10	IS 3025 (Part 26) 2021
Sulphate	mg / l	26.40	IS 3025 (Part 24) Sec1:2022
Nitrate	mg / l	0.48	APHA 4500 NO <sub>3</sub> -B (23 <sup>rd</sup> Edition)
Fluoride	mg / l	0.32	APHA 4500 F-D (23 <sup>rd</sup> Edition)
<b>Heavy Metals:</b>			
Iron (Fe)	mg / l	0.154	IS 3025 (Part 2) 2019
Copper (Cu)	mg / l	0.022	IS 3025 (Part 2) 2019
Zinc (Zn)	mg / l	0.084	IS 3025 (Part 2) 2019
Lead (Pb)	mg / l	0.002	IS 3025 (Part 2) 2019
Chromium (Cr)	mg / l	0.026	IS 3025 (Part 2) 2019

End

For M/s. ENVIRO ANALYSTS &amp; ENGINEERS PVT. LTD.,

Authorized Signatory  
(Shilpa Dhamankar)

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## Water Sample Analysis Report

Report No. - EAEPL/PM/PSS/20-06/09/2022			Report Date –27.09.2022
Name of Customer	M/s. PARADISE SUPER STRUCTURES		Reference – Verbal
Site Address	“SAI WORLD EMPIRE” Plot Bearing S. No. 93/2+4, 93/3, 94/1, 94/2, 94/3A, 94/3B, 94/4, 102/1A, 102/4, 102/5A/2, 102/5B, 102/5C, 103/1A, 103/2B, 103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad.		
Nature and Description of Sample	Tanker Water	Sample Collected by	
Sampling locations and Sample Code	PM/W/20-06/09/22 (Near Site Office Area)	Sample quantity and packing	500ml x 1 No. St. PP. Bottle
		Sample Preservation	Cool -Transported and stored at 5 °C (± 1°C).
Date of Sampling	19.09.2022	Date of Receipt	20.09.2022
Sampling Procedure	EAEPL/LAB/MB/SOP/17		
Period of Analysis	20.09.2022 to 27.09.2022		
Report for the month	September, 2022		

Discipline: Biological

Group: Water

Parameters	Unit	Results	Method
Microbiological Analysis:			
Coliforms	MPN/100ml	< 2	IS 1622:1981 Reaffirmed (2019)
E. coli	/100ml	Absent	IS 1622:1981 Reaffirmed (2019)

End

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

Authorized Signatory  
(Shweta Sonawane)

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## Ambient Noise Level Monitoring Report

Report No. - EAEPL/PM/PSS/20-08/09/2022			Report Date - 27.09.2022
Name of Customer	M/s. PARADISE SUPER STRUCTURES		Reference – Verbal
Site Address	"SAI WORLD EMPIRE" Plot Bearing S. No. 93/2+4, 93/3, 94/1, 94/2, 94/3A, 94/3B, 94/4, 102/1A, 102/4, 102/5A/2, 102/5B, 102/5C, 103/1A, 103/2B, 103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad		
Nature and Description of Sample	Noise	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	PM/N/20-08/09/22	Sample quantity and packing	Not Applicable
Date of Sampling	19.09.2022	Date of Receipt	Not Applicable
Sampling Procedure	EAEPL/LAB/SOP/04		
Period of Analysis	Not Applicable		
Report for the month	September, 2022		

Discipline: Chemical

Group: Atmospheric Pollution

Monitoring Locations	Units	Results		CPCB Norms	
		Day Time	Night Time	Day	Night
Near Main Gate of Site	dB(A) Leq.	54.9	44.4	55	45
Centreside of Site	dB(A) Leq.	53.5	43.7	55	45
Near Backside of Site	dB(A) Leq.	54.7	44.6	55	45
Near Site Office	dB(A) Leq.	54.7	44.9	55	45

**Remark:** The noise level was observed to be within CPCB limit at all of the locations.

End

For M/s. ENVIRO ANALYSTS &amp; ENGINEERS PVT. LTD.,

Authorized Signatory  
(Netra Pawar)

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**ENVIRO ANALYSTS & ENGINEERS PVT. LTD.**  
(NABET, NABL Accredited and MoEFCC Approved)  
CIN No-U28900MH1995PTC093129 | GST No-27AAACE659/R1ZP

B-1003, Enviro House, 10th Flr, Western Edge II, W.E. Highway, Borivali (E), Mumbai-400066

## Soil Sample Analysis Report

Report No - EAEPL/PM/PSS/20-07/09/2022			Report Date – 27.09.2022
Name of Customer	M/s. PARADISE SUPER STRUCTURES		Reference – Verbal
Site Address	“SAI WORLD EMPIRE” Plot Bearing S. No. 93/2+4, 93/3, 94/1, 94/2, 94/3A, 94/3B, 94/4, 102/1A, 102/4, 102/5A/2, 102/5B, 102/5C, 103/1A, 103/2B, 103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad		
Nature and Description of Sample	Soil	Sample Collected by	
Sampling locations and Sample Code	PM/S/20-07/09/22 Back Side of Const. site	Sample quantity and packing	500 gm X 1 zip lock bag
		Preservation	Transported & stored in dry area
Date of Sampling	19.09.2022	Date of Receipt	20.09.2022
Sampling Procedure	EAEPL/LAB/SOP/03		
Period of Analysis	20.09.2022 to 27.09.2022		
Report for the month	September, 2022		

Discipline: Chemical

Group: Soil & Rock

Parameters	Unit	Results	Methods
pH	-	7.48	IS 2720 (Part 26) (1987), Reaffirmed:2021
Electrical Conductivity	µS/cm	362.58	IS 14767:2000, Reaffirmed:2021
Organic Matter	%	2.16	IS 2720 (Part 22) (1972), Reaffirmed:2020
Soil Moisture	%	16.67	IS 2720 (Part 02) (1973), Reaffirmed:2020 Oven Drying Method
Water Holding Capacity	%	35.83	EAEPL/LAB/SOP/SOIL/10
Total Kjeldhal Nitrogen	mg/kg	812.96	IS 14684:1999, Reaffirmed:2019
Available Phosphorus	mg/kg	1.68	EAEPL/LAB/SOP/SOIL/11
Sulphate	mg/kg	32.60	IS 2720 (Part 27):1977 (Reaffirmed 2020)
Chlorides	mg/kg	102.96	EAEPL/LAB/SOP/SOIL/03
Calcium	mg/kg	2041.52	EPA 9080
Magnesium	mg/kg	108.64	EPA 9080
Sodium (Na)	mg/kg	3285.14	EPA 3050B
Potassium (K)	mg/kg	3066.25	EPA 3050B
<b>Heavy Metals:</b>			
Iron	mg/kg	81254.69	EPA 3050B
Lead	mg/kg	102.38	EPA 3050B
Copper	mg/kg	105.24	EPA 3050B
Zinc	mg/kg	141.27	EPA 3050B

End

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.

Authorized Signatory  
(Shilpa Dhamankar)

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F. No. 21-35/2016-IA-III  
Government of India  
Ministry of Environment, Forest and Climate Change  
(IA.III Section)

Indira Paryavaran Bhawan,  
Jor Bagh Road, New Delhi - 3

Date: 23<sup>rd</sup> October, 2017

To,

**M/s Paradise Super Structures**

1701, Satra Plaza, Plot No. 19 & 20,  
Sector-19D, Vashi, Navi Mumbai – 400705 (Maharashtra)

Email: [uka1005@gmail.com](mailto:uka1005@gmail.com)

**Subject: Sai World Empire-Residential Project at Plot Bearing S.No. 93/2+4, 93/3,94/1,94/2,94/3A,94/3B,94/4,102/1A,102/4,102/5A/2,102/5B,102/5C, 103/1A,103/2B,103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad by M/s Paradise Super Structures - Environmental Clearance - reg.**

Sir,

This has reference to your online proposal No. IA/MH/NCP/63123/2017 dated 16<sup>th</sup> March 2017, submitted to this Ministry for grant of Environmental Clearance (EC) in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

2. The proposal for grant of environmental clearance to the project 'Sai World Empire-Residential Project at Plot Bearing S.No. 93/2+4, 93/3,94/1,94/2,94/3A,94/3B,94/4,102/1A,102/4,102/5A/2,102/5B,102/5C,103/1A,103/2B,103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad by M/s Paradise Super Structures, was considered by the Expert Appraisal Committee (Infra-2) in its meetings held on 12-14 April, 2017 and 26-28 July, 2017. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above meeting, are under:-

- (i) The name of the project is SAI WORLD EMPIRE at Plot Bearing S.NO.93/2+4,93/3,94/1,94/2,94/3A,94/3B,94/4,102/1A,102/4,102/5A/2,102/5B,102/5C,103/1A,103/2B,103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad. Latitude and Longitude are 19<sup>0</sup>04'53.47" N and 73<sup>0</sup>04'25.32" E.
- (ii) Total plot is 66,260 sqm (FSI area: 176,748.51 sqm, Total construction area: 3,96,768.41 sqm. Total of flats 2703 nos. Maximum height of buildings is 127.15 m.
- (iii) During construction phase total expected water requirement of 13.5 KLD will be met through Tanker Water. Soak pits and septic tanks will be provided for disposal of waste water: Modular STP shall be provided. Temporary sanitary toilets will be provided during peak labor force.
- (iv) During operation phase total expected water demand will be of 1738 KLD (Recycled water: 1535 KLD). Waste water generated (1616 KLD) will be treated in STPs (750 KLD, 250 KLD & 650 KLD capacity). Treated water will be used for flushing and landscaping. Excess treated water of 852 KLD will be discharged to municipal drain.



- (v) Biodegradable waste 4014 kg/day will be processed in OWC and Non-biodegradable waste 2645 kg/day will be handed over to authorized local vendor
- (vi) Total Power requirement during construction phase will be 100 KVA which will be met by MSEDCL. During operation phase Connected load will be  $32739+14203=46942$  kW
- (vii) Rainwater harvesting for 58 cum will be provided.
- (viii) ToR was issued vide letter no F.No.21-35/2016-IA-III dated 20<sup>th</sup> June, 2017 accorded by MoEF&CC.
- (ix) Investment/ cost of the project is 175.0 Crore.
- (x) Employment potential: Construction phase staff: 68 Nos. (approx.), overall labor strength during construction will be approx 612 Nos.
- (xi) Benefits of the project: As the project involves rental component, PP is indirectly provide affordable housing in the area. It is located well near the Taloja MIDC area, so it can be a residential hub for the employees over there.

3. The EAC, in its meeting held on 26-28 July, 2017, after detailed deliberations on the proposal, has recommended for grant of Environmental Clearance to the project. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project 'Sai World Empire-Residential Project at Plot Bearing S.No. 93/2+4, 93/3,94/1,94/2,94/3A,94/3B,94/4,102/1A,102/4,102/5A/2,102/5B,102/5C,103/1A,103/2B,103/3, 102/1B, 102/3, 103/2A, 103/1B, Rohinjan, Panvel, Raigad by M/s Paradise Super Structures, under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the specific and general conditions as under:-

## **PART A – SPECIFIC CONDITIONS:**

### **I. Construction Phase**

- (i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- (ii) The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- (iii) Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and

other construction materials prone to causing dust pollution at the site as well as taking out debris from the site. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution. Wet jet shall be provided for grinding and stone cutting. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.

- (iv) All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- (v) Provisions 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- (vi) At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- (vii) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- (viii) Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- (ix) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- (x) Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- (xi) Sewage shall be treated in the STP based on Moving Bed Bio-film Reactor (MBBR) Technology (with tertiary treatment i.e. Ultra Filtration). The treated effluent from STP shall be recycled/re-used for flushing, horticulture & DG cooling. Excess treated effluent shall be discharged in to Municipal sewer line as per CPCB norms.
- (xii) The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model



Building Byelaws, 2016. As proposed, rain water harvesting tanks of total capacity of 245 m<sup>3</sup> shall be provided as per CGWB guidelines.

- (xiii) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in Organic Waste Converter. 335 m<sup>2</sup> space shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from group housing project will be sent to dumping site.
- (xiv) Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.
- (xv) A First Aid Room shall be provided in the project both during construction and operations of the project.
- (xvi) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
- (xvii) Disposal of muck during construction phase shall 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.
- (xviii) The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- (xix) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xx) As proposed, no ground water shall be used during construction/ operation phase of the project.
- (xxi) Approval of the CGWA require before any dewatering for basements.
- (xxii) The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightening etc.
- (xxiii) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- (xxiv) 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 be operated only during non-peak hours.
- (xxv) Ambient noise levels shall conform to residential standards both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be



made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.

- (xxvi) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27<sup>th</sup> August, 2003 and 25<sup>th</sup> January, 2016. Ready mixed concrete must be used in building construction.
- (xxvii) An assessment of the cumulative impact of all activities being carried out or proposed to be carried out by the project, shall be made for traffic densities and parking capabilities in a 05 kms radius from the site. A detailed traffic management and a traffic decongestion plan drawn up through an organisation of repute and specialising in Transport Planning shall be implemented to the satisfaction of the State Urban Development and Transport Departments shall also include the consent of all the concerned implementing agencies.
- (xxviii) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
- Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - Traffic calming measures
  - Proper design of entry and exit points.
  - Parking norms as per local regulation

## **II. Operational Phase**

- (i) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- (ii) For indoor air quality the ventilation provisions as per National Building Code of India.
- (iii) Fresh water requirement from MJP. Water Supply shall not exceed 138 m<sup>3</sup>/day.
- (iv) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- (v) The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Periodical



monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.

- (vi) No sewage or untreated effluent water would be discharged through storm water drains.
- (vii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
- (viii) The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, the Construction and Demolition Waste Management Rules, 2016 and the Plastics Waste Management Rules, 2016 shall be followed.
- (ix) Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- (x) Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
- (xi) Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs, TFL and LED shall be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.
- (xii) A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of 3 trees for every 1 tree that is cut) shall be done and maintained. As proposed 2198.03 sqm area shall be provided for green belt development.
- (xiii) An environmental management plan (EMP) shall be prepared and implemented to ensure compliance with the environmental conditions specified above. A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like Sewage Treatment Plant, Landscaping, Rain Water Harvesting, Energy efficiency and conservation, water efficiency and conservation, solid waste management, renewable energy etc. are kept operational and meet the required standards. The environmental cell shall also keep the record of environment monitoring and those related to the environment infrastructure.
- (xiv) The company shall draw up and implement a corporate social Responsibility plan as per the Company's Act of 2013.

## **PART B - GENERAL CONDITIONS**

- (i) A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.
- (ii) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.
- (iii) Officials from the Regional Office of MoEF&CC, Nagpur who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the APCCF, Regional Office of MoEF&CC, Nagpur.
- (iv) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
- (v) The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- (vi) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
- (vii) These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.
- (viii) The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at Nagpur.
- (ix) Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- (x) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body 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&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (xii) The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
4. This issues with the approval of the Competent Authority.



**(Kushal Vashist)**  
**Director**

**Copy to:**

- 1) The Principal Secretary, Environment Department, Government of Maharashtra, 15<sup>th</sup> Floor, New Administrative Building, Mantralaya, Mumbai - 400 032.
- 2) The APCCF (C), MoEF&CC, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur - 440001.
- 3) The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
- 4) The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3<sup>rd</sup> and 4<sup>th</sup> floor, Opp. Cine Planet, Sion Circle, Mumbai - 400 022.
- 5) Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
- 6) Guard File/ Record File/ Notice Board.



**(Kushal Vashist)**  
**Director**



# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/ 24010437

Fax: 24023516

Website: <http://mpcb.gov.in>

E-mail: [jdwater@mpcb.gov.in](mailto:jdwater@mpcb.gov.in)



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

09/01/2020

Infrastructure /RED/LSI

Date: 12/2019

Consent Order No: - Format 1.0/BO/JD (WPC)/UAN No.00000022117/CE/CC-

To,

2001000713

M/s. Paradise Superstructures "Sai World Empire"

S. No. 93/1, 93/2+4, 93/3, 94/1, 64/2, 94/3A, 94/3B,  
94/4, 102/1A, 102/1B, 102/3, 102/4, 102/5A/2, 102/5B,  
102/5K, 103/1A, 103/1B, 103/2A, 103/2B, 103/3 ,  
Village Rohinjan, Tal. Panvel, Dist. Raigad

**Subject: Grant of Consent to Establish for Residential Cum Commercial Construction Project in Red Category.**

- Ref.: 1. Minutes of Consent Committee meeting held on 26/11/2019.  
2. Environmental Clearance obtained vide no. F.No.21-35/2016-IA-III, dated 23.10.2017.

Your application No. 0000022117 Dated 01/03/2017

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

1. The Consent to Establish is valid for period up to commissioning or up to 5 year whichever is earlier.
2. The capital investment of the project is Rs.275 Crs as per undertaking submitted by P.P.
3. The Consent to Establish is valid for construction Residential cum Commercial project of, M/s. Paradise Superstructures "Sai World Empire" S. No. 93/1, 93/2+4, 93/3, 94/1, 64/2, 94/3A, 94/3B, 94/4, 102/1A, 102/1B, 102/3, 102/4, 102/5A/2, 102/5B, 102/5K, 103/1A, 103/1B, 103/2A, 103/2B, 103/3 ,Village Rohinjan, Tal. Panvel, Dist. Raigad, on total plot area of 66,260 Sq. Mtrs. for total construction BUA of 3, 96,756.95 Sq. Mtrs.
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	1557	As per Schedule -I	The treated domestic effluent shall be 60% recycled for secondary purposes and remaining shall be utilized on land for gardening and connected to sewerage system provided by Local Body.

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

Sr. No.	Description of stack/ source	Number Of Stack	Standards to be achieved
1	D.G. Set (500 KVA ,385 KVA,40 KVA,625*2 KVA ,600 KVA &285 KVA)	7	As Per Schedule –II

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

Sr. no.	Type Of Waste	Quantity	Treatment	Disposal
1	Biodegradable	4000 Kg/Day	OWC	Used as Manure
2	Non-Biodegradable	2600 Kg/Day	Segregate	Hand over to Local Body for recycling
3	STP Sludge	150 Kg/Day	Drying	Used as Manure

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

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
NIL					

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall 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 provide adequate capacity of sewage treatment plant so as to achieve treated domestic effluent standard for the parameter BOD- 10 mg/lit.
11. The treated domestic effluent shall be 60 % recycled for secondary purpose such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and reaming shall be utilized on land for gardening and connected to the sewerage system provided by local body.
12. Project Proponent shall comply with the conditions stipulated in Environmental Clearance granted vide No. F.No.21-35/2016-IA-III, dated 23.10.2017.
13. Project Proponent shall install online monitoring system for pH, SS and flow at the outlet of Sewage Treatment Plant.
14. 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.
15. Project Proponent shall install organic waste converter along with composting facility for the treatment of wet garbage.
16. Project Proponent shall submit Board Resolution for not to violating consent conditions in future with the BG of Rs 2 Lakhs.

For and on behalf of the  
Maharashtra Pollution Control Board

(E. Ravendiran, IAS)  
Member Secretary

**Received Consent fee of –**

Sr. No.	Amount	DR/ DD/ RTGS/ NEFT/ TXN No.	Bank Name	Date
1	Rs. 5,50,000/-	0196691 (RTGS)	Indian Overseas Bank	24.03.2017

**Copy to:**

1. Regional Officer (Raigad)/ Sub-Regional Officer (Raigad-I), M.P.C. Board.  
-They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updating purposes.

### Schedule-I

#### Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have proposed to provide Sewage Treatment Plants of designed capacity **1650 CMD** based on MBBR technology for the treatment of **1557 CMD** of domestic sewage.
- B] The Applicant shall operate the Sewage Treatment Plant (STP) to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent:

Sr. No.	Parameters	Standards prescribed by Board
		<b>Limiting Concentration in mg/l, except for pH</b>
01	BOD (3 days 27°C )	10
02	Suspended Solids	20
03	COD	50
04	Residual Chlorine	1 ppm

- C] The treated domestic effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening and connected to the sewerage system provided by local body. In no case, effluent shall find its way to any water body directly/indirectly at any time. Project proponent shall provide flow meter to ensure 60% recycling of treated sewage and shall maintain the record with data logging system. PP shall achieve the treated domestic effluent standard for the parameter BOD- 10 mg/lit. The online monitoring data of the parameters Flow, BOD, TSS at the STP outlet shall be connected to MPCB Server.
- 1) 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 and/ or extension or addition thereto.
- 2) 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.
- 3) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, and other provisions as contained in the said act.

1	Industrial Cooling, spraying in mine pits or boiler feed	NIL
2	Domestic purpose	1730.00
3	Processing whereby water gets polluted & pollutants are easily biodegradable	NIL
4	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	NIL

### Schedule-II

#### Terms & conditions for compliance of Air Pollution Control:

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

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	SO <sub>2</sub> Kg/D
1	D.G. Set (500KVA,385KVA, 40 KVA,625*2 KVA , 600 KVA &285 KVA)	Acoustic Enclosure	5.0 (Separate stack for each D.G. Set, total No. of stack is 6)	HSD	764.75 Kg/Hr	--

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

Total Particulate matter	Not to exceed	150 mg/Nm <sup>3</sup>
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3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).





**Schedule-III**  
**Details of Bank Guarantees**

Sr. No	Consent (C to E)	Amt of BG Imposed	Submission Period**	Purpose of BG	Compliance Period	Validity
1	C to E	Rs.10 Lakh	15 Days	Towards compliance of EC & Consent to Establish conditions	COU	COU
2	C to E	Rs.2 Lakh	15 Days	Towards Board Resolution for not to violating consent conditions in future	COU	COU

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

#### Schedule-IV

##### General Conditions:

- 1) The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act 1986 and Municipal Solid Waste (Management & Handling) Rule 2000, Noise (Pollution and Control) Rules, 2000 and E-Waste (Management & Handling Rule 2011.
- 3) Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 4) Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 5) Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Applicant should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) Applicant should make efforts to bring down noise level due to DG set, outside their premises, within ambient noise requirements by proper siting and control measures.
  - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - f) D.G. Set shall be operated only in case of power failure.
  - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 6) Solid Waste – The applicant shall provide onsite municipal solid waste processing system & shall comply with Municipal Solid Waste (Management & Handling) Rule 2000 & E-Waste (M & H) Rule 2011.
- 7) Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 8) Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.
- 9) The treated sewage shall be disinfected using suitable disinfection method.
- 10) The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 11) The applicant shall obtain Consent to Operate from the Board prior to commissioning of the Project.

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### PUBLIC NOTICE

All the concerned persons including bonafied residents, environmental groups, NGO's and others are hereby informed that the Expert Appraisal Committee (Infra 2), Delhi, has accorded Environmental Clearance to M/s. Paradise Superstructures, For Project Sai World Empire, Survey No 93/2+4, and Others, Village - Rohinjan, Taluka - Panvel, Dist - Raigad 410206, Maharashtra.

Under File No: 21-35/2016-IA-III, Dated 23rd October 2017.

The copy of clearance letter is available with the Maharashtra State Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <http://www.envfor.nic.in>

M/s. Paradise Superstructures.

Corporate Address: 1701, Satra Plaza, Plot No. 19 & 20, Sector 19-D, Vashi, Navi Mumbai 400 705.

### NIRMAL CO-OP. HOUSING SOCIETY LTD.

Regd. No. TNA/ (TNA) /HSG/TC/ No. 5146/92-93 Dt. 16-7-92  
Shreepal Estate, Navghar Road, Bhayandar (E), Dist. Thane-401 105.

### PUBLIC NOTICE

NOTICE is hereby given to public at large that Late Induben Dhirajlal Ashra expired testate on 29th July, 2015 and prior to her demise, had bequeathed Flat No. D-17, Nirmal Co-operative Housing Society Ltd, Navghar Road, Bhayander (East), Thane - 401105 in favour of Mr. Gautam Ashra under her last Will and Testament dated 29/06/2015.

All persons having or claiming any right, title, claim, demand or estate interest in respect of the said flat or to any part thereof by way of sale, exchange, mortgage, let, lease, lien, charge, maintenance, license, gift, inheritance, assignment or encumbrance of whatsoever nature or otherwise howsoever are hereby requested to intimate to the undersigned in writing at the address mentioned below of any such claim accompanied with all necessary and supporting documents within 14 days from the date of publication hereof, failing which it shall be presumed that there are no claims and that claims, if any, have been waived off. Dated, this 27th day of July 2018.

For, NIRMAL CO-OP HOUSING SOCIETY LTD.

Sd/- Sd/- Sd/-  
Chairman / Secretary / Treasurer  
Rameshwar Media



### CENTRAL ORGANISATION FOR RAILWAY ELECTRIFICATION

1, Nawab Yusuf Road, Civil Lines, Allahabad-211001

Addendum & Corrigendum Slip No.3 to RFQ

Notice No. ELCORE/2018/EPC-8 dated: 28.03.2018 along with A & Slip No.1 & 2  
Name of the work: Request for Qualification (RFQ) of Bidders for Engineering, Procurement & Construction under two stage process of bidding for Railway Electrification of various section in Northern Railway

S. No.	Para No./ Line No./ Col. No.	Description	As existing	As corrected
1	5.0	Date of sale of RFQ documents	From 02.04.2018 to 26.07.2018 (upto 17.30 Hrs.)	From 02.04.2018 to 11.09.2018 (upto 17.30 Hrs.)
2	6.0	Date of submission of RFQ offer	Upto 11.00 hrs of 27.07.2018	Upto 11.00 hrs of 12.09.2018
3	7.0	Date of opening of RFQ offer	On 27.07.2018 at 11.30 hrs in the office of Chief Administrative Officer, Railway Electrification, Allahabad	On 12.09.2018 at 11.30 hrs in the office of Chief Administrative Officer, Railway Electrification, Allahabad

Note : Other terms & conditions of the RFQ Notice will remain unaltered.

CORE's web-site at <http://www.core.indianrailways.gov.in>

No.PR./209/18  
Satya Adv.

CHIEF ADMINISTRATIVE OFFICER, R E/ALLAHABAD  
FOR AND ON BEHALF OF PRESIDENT OF INDIA

"SERVING CUSTOMERS WITH A SMILE"

### Aadhar Housing Finance Ltd

Corporate Office : 201, Rajeha Point-1, Near SVC Bank, Vakola, Nehru Road, Santacruz ( East ), Mumbai - 400055

Kalyan Branch Office : Shop No. - 1 to 9, adjoining to Indian Bank, Above Ramdev hotel, 1st Floor, Wing A, Zojwala Shopping Centre, Agra road, Situate at Survey No. 131, Hissa no. 1 part, CTS no. 2848, Kalyan Tal. Kalyan Dist. Thane - 421301 (MH)

Malad Branch Office : No. 101/102, 1st Floor, Hemu Classic Premises, S. V. Road, West, Opp. New Era Theatre, Malad, Mumbai - 400064, (Maharashtra), 400064



### DEMAND NOTICE

UNDER SECTION 13(2) OF THE SECURITISATION AND RECONSTRUCTION OF FINANCIAL ASSETS AND ENFORCEMENT OF SECURITY INTEREST ACT, 2002 READ WITH RULE 3 (1) OF THE SECURITY INTEREST (ENFORCEMENT) RULES, 2002. The undersigned is the Authorised Officer of Aadhar Housing Finance Ltd. (AHFL) under Securitisation And Reconstruction Of Financial Assets And Enforcement of Security Interest Act, 2002 (the said Act). In exercise of powers conferred under Section 13(12) of the said Act read with Rule 3 of the Security Interest (Enforcement) Rules, 2002, the Authorised Officer has issued Demand Notices under section 13(2) of the said Act, calling upon the following Borrower(s) (the "said Borrower(s)"), to repay the amounts mentioned in the respective Demand Notice(s) issued to them that are also given below. In connection with above, Notice is hereby given, once again, to the said Borrower(s) to pay to AHFL, within 60 days from the publication of this Notice, the amounts indicated herein below, together with further interest as detailed in the said Demand Notice(s), from the date(s) mentioned below till the date of payment and/or realization, payable under the loan agreement read with other documents/writings, if any, executed by the said Borrower(s). As security for due repayment of the loan, the following assets have been mortgaged to AHFL by the said Borrower(s) respectively.

Sr. No.	Name of the Borrower / Co-Borrower / Guarantor (s)	Demand Notice Date and Amount	Description of Secured Asset (Immovable Property)
1	(App. No: 00067862 of Kalyan Branch) Dilip Rameshwar Tiwari (Borrower) Vibha Dilip Tiwari (Co-Borrower)	12-Jul-2018 ₹ 9,04,108/-	Flat No 405, B Wing, Shree Galaxy Res., Opp Malwani Restirant, Regency Road, Shil Road, Ajde Golivli, Kalyan, Thane, Maharashtra-421201
2	(App. No: 00116304 of Kalyan Branch) Jitendra G Lokhande (Borrower) Dhanashree Jitendra Lokhande (Co-Borrower)	12-Jul-2018 ₹ 9,39,319/-	Flat No 304, 3rd Floor, gaondevi Apt, Nandivali, Malang Road Near Aya Gurukul School, Ambemath, Thane, Maharashtra-421306
3	(App. No: V0131346 of Malad Branch) Manjusha Rajendra Jadhav (Borrower)	12-Jul-2018 ₹ 12,26,169/-	Flat No 404 4th Floor B Wing, Yash Ganga Complex Nr. Big Bazar S.no.3/1/1 H.no.35



### Government of India Department of Atomic Energy Directorate of Construction, Services & Estate Management

### PRE-QUALIFICATION CUM NOTICE INVITING TENDER (MANUAL)

Head, ESD-II, DCSEM, DAE, V.S. Bhavan, Anushakti Nagar, Mumbai - 400 094 on behalf of President of India invites sealed Tenders in (Single bid) as per detailed NIT available at the aforesaid address & on the Web-site [www.dcem.gov.in](http://www.dcem.gov.in), from the eligible contractors for the following works :

1. NIT No. DCSEM / CQD / QSB / 41 / 2018 - 19 dt. 26.07.2018

Name of work :- Composting of organic waste with composters drum / pits at waste processing Zone-II (Near Brindavan Building) of Anushaktinagar, Mumbai. E.C. : Rs. 13.50 lakhs, EMD Rs. 27,000/-, Compl. Period : 06 Months, Tender Document Fee: Rs. 500/-

2. NIT No. DCSEM / CQD / QSB / 42 / 2018 - 19 dt. 26.07.2018

Name of work :- Composting of organic waste with composters drum / pits at various locations of Anushaktinagar, Mumbai. E.C. : Rs. 5.30 lakhs, EMD Rs. 10,600/-, Compl. Period : 06 Months, Tender Document Fee: Rs. 500/-

3. NIT No. DCSEM / CQD / QSB / 43 / 2018 - 19 dt. 26.07.2018

Name of work :- Composting of organic waste with composters drum / pits at waste processing Zone-I (Near Tapti Building) of Anushaktinagar, Mumbai. E.C. : Rs. 13.50 lakhs, EMD Rs. 27,000/-, Compl. Period : 06 Months, Tender Document Fee: Rs. 500/-

1) Sale of Tender documents from 27.07.2018 to 2.08.2018 on working day between 11.00 & 16.00 Hrs. from office of Head, QSB, 3rd floor, V.S. Bhavan, DCSEM, DAE, Anushakti Nagar, Mumbai-400 094.  
2) Date of Receipt of Tender upto 15.00 hrs. and opening of Tender at 15.30 hrs. on 07.08.2018. For any further clarification please contact on (022) 25487334/25487337. Fax - 022 - 25565362.



## जाहीर सूचना

सर्व संबंधित व्यक्ती, अधिकृत रहिवाशांसह पर्यावरणवादी गट, एनजीओ संस्था आणि इतर यांना सूचित करण्यात येते की एक्स्पर्ट अप्रेशल कमिटी (इंफ्रा २), दिल्ली यांनी एकमताने मे. पॅराडाईज सुपर स्ट्रक्चर्स यांच्या साई वर्ल्ड एंपायर, सर्व्हे क्र. १३/२+४, आणि इतर गाव रोहिंजन, तालुका पनवेल, जि. रायगड-४१० २०६, महाराष्ट्र या प्रकल्पांला पर्यावरण निपटारा दिलेला आहे. फाईल क्र. २१-३५/२०१६ - १ए-III, तारीख २३ ऑक्टोबर, २०१७ रोजी या अंतर्गत.

निपटारा पत्राची प्रत ही महाराष्ट्र राज्य प्रदुषण नियंत्रण मंडळाकडे उपलब्ध आहे आणि पर्यावरण आणि वन मंत्रालयाचे संकेतस्थळ <http://www.envfor.nic.in> येथे देखील बघितली जाऊ शकते.

मे. पॅराडाईज सुपरस्ट्रक्चर्स

कॉर्पोरेट पत्ता: १७०१, सत्रा प्लाझा, प्लॉट क्र. १९ आणि २०, सेक्टर १९-डी, वाशी, नवी मुंबई-४०० ७०५.



## ATV PROJECTS INDIA LIMITED

CIN : L99999MH1987PLC042719

Regd. off: 1201, 12th Floor, Wind Fall Building, Sahar Plaza Complex, Andheri-Kurla Road, Andheri (East), Mumbai 400059.  
Tel no : (022) 28380346 Fax no: (022) 28380353

### NOTICE

Notice is hereby given that pursuant to Regulation 29 and 47 of SEBI Listing Obligations and Disclosure Requirement, Regulations, 2015 as amended from time to time that Meeting of the Board of Directors of the Company is scheduled to be held on Monday, 6th August, 2018, at 12.30 pm at the Registered office of the Company at 1201, 12th Floor, Windfall Building, Sahar Plaza Complex, Andheri Kurla Road, Andheri East, Mumbai- 400059 to consider and take on record inter-alia, the Unaudited Financial Results for the Quarter ended 30th June, 2018.

This Notice is also available at Website of Company and BSE India Ltd.

For ATV PROJECTS INDIA LIMITED

Place: Mumbai  
Date : 27.07.2018

Sd/-  
H.C.Gupta  
Company Secretary



## नवशक्ति

मुंबई, शुक्रवार, २७ जुलै २०१८



## INVENTURE

GROWTH & SECURITIES LTD.

Regd. Off: 2nd Floor, Viraj towers,  
Near Landmark, Western Express Highway,  
Andheri (E), Mumbai- 400069.  
CIN:L65990MH1995PLC089838

### NOTICE

Notice is hereby given that a Meeting of the Board of Directors of the Company is scheduled to be held on Saturday, 04th August, 2018 at 12.00 Noon at Registered Office of the Company to consider inter-alia Un-Audited Financial Results & Accounts of the Company for the Quarter ended 30th June, 2018. Further for the Purpose of Board Meeting the Trading Window will remain closed from 30th July, 2018 to 7th August, 2018 (inclusive of both the days).

For Inventure Growth &  
Securities Limited  
By order of the Board,

Sd/-

Kanji B. Rita

Chairman

Place : Mumbai  
Date : 26.07.2018 DIN:00727470

## बालकृष्णा पेपर मिल्स

### लिमिटेड

सीआयएन: एल२१०९८एमएच२०१३पीएलसी२४४९६३

नॉद कार्यालय: ए/७, ट्रेड वर्ल्ड, कमला सिटी,  
सेनापती बापट मार्ग, लोअर परेल (प.),  
मुंबई - ४०० ०१३.

दूर. क्र.: +९१ २२ ६१२० ७९००

फॅक्स क्र.: +९१ २२ ६१२० ७९९९

## ब्रॅडी अँड मॉरिस इन्जीनियरिंग कंपनी लिमिटेड

CIN - L29150MH1946PLC004729

नोंदणीकृत कार्यालय : ब्रॅडी हाऊस, १२/१४,  
वीर नरिमान रोड, फोर्ट, मुंबई - ४०० ००९.  
दूर. क्र. (०२२) २२०४८३६१-६५;  
फॅक्स क्र. (०२२) २२०४८८५५  
ई-मेल आयडी : bradys@mtnl.net.in;

### नोटीस

याद्वारे सूचना देण्यात येते की, सेबी (सुचीबद्धता बंधने आणि प्रकटीकरण आवश्यकता) नियमावली, २०१५ चे विनियम २९(१) (अ) आणि विनियम ४७(१) (अ) च्या अनुषंगाने, ३० जुन, २०१८ रोजी संपलेल्या त्रैमासिकार्षिक कंपनीचे अलेखापरिहित वित्तिय निकाल इतर बाबींसमवेत विचारात घेण्यासाठी व त्यास मान्यता देण्यासाठी कंपनीच्या संचालक मंडळाची सभा शुक्रवार, ३ ऑगस्ट, २०१८ रोजी मुंबई येथे बोलविण्यात आली आहे. तसेच अंतर्गत व्यापारास प्रतिबंध घालण्यासाठीच्या कंपनीच्या आचार संहितेनुसार, कंपनीच्या रोख्यांचा व्यवहार करण्यासाठी व्यापारी खिडकी सर्व पदाधिष्ठित व्यक्तीकरिता दिनांक २७ जुलै, २०१८ पासून कंपनी आणि त्यांच्या निकटच्या नातेवाईकांना तात्काळ प्रभावासाठी सर्व नियुक्त व्यक्ती आणि माहिती सार्वजनिक झाल्यानंतर ४८ तास उघडण्यात येतील.

ही सूचना कंपनीच्या [www.whbrady.in](http://www.whbrady.in) या संकेतस्थळावर आणि स्टॉक एक्सचेंज, बीएसई लिमिटेडच्या [www.bseindia.com](http://www.bseindia.com) या संकेतस्थळावर देखील उपलब्ध आहे.

मंडळाच्या वतीने आणि त्यांच्या करिता

ब्रॅडी अँड मॉरिस इन्जीनियरिंग कंपनी लिमिटेड

सही/-

पवन जी. मोरारका

अध्यक्ष

ठिकाण : मुंबई  
दिनांक : २६ जुलै, २०१८ (DIN: 00174796)

## डब्ल्यू. एच. ब्रॅडी

CIN: L17110M

नोंदणीकृत कार्यालय

वीर नरिमान रोड, फोर्ट

दूर. क्र. ०२२२

फॅक्स क्र. ०२२२

ई-मेल आयडी :

याद्वारे सूचना देण्यात येते

आणि प्रकटीकरण आवश्यक

विनियम २९(१) (अ) आणि

अनुषंगाने, ३० जुन, २०१८

कंपनीचे अलेखापरिहित

विचारात घेण्यासाठी व त्यास

संचालक मंडळाची सभा शुक्रवार

मुंबई येथे बोलविण्यात आली

तसेच अंतर्गत व्यापारास

कंपनीच्या आचार संहितेनुसार

करण्यासाठी व्यापारी खिडकी

दिनांक २७ जुलै, २०१८ पासून

निकटच्या नातेवाईकांना

व्यक्ती आणि माहिती सार्वजनिक

उघडण्यात येतील.

ही सूचना कंपनीच्या [www.whbrady.in](http://www.whbrady.in)

आणि स्टॉक एक्सचेंज

[www.bseindia.com](http://www.bseindia.com)

मंडळाच्या वतीने आणि

डब्ल्यू. एच. ब्रॅडी

अध्यक्ष

ठिकाण : मुंबई

दिनांक : २६ जुलै, २०१८

## नवी मुंबई महानगर

आरोग्य विभाग





