

Consent

From: Consent
Sent: Wednesday, November 23, 2022 6:26 PM
To: eccompliance; 'Shri. V N Ambade'
Cc: 'Thirunavukkarasu'
Subject: Submission of Post Monitoring Report for the period of April, 2022 – September, 2022 for Construction of Industrial Galas / Units at "Raheja District II" Plot No. Gen 2/1C (part), D Block, TTC Industrial area, MIDC Juinagar, Navi Mumbai Maharashtra
Attachments: PMR - RAHEJA RD II Apr,22-Sep,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 Construction of Industrial Galas / Units at "Raheja District II" Plot No. Gen 2/1C (part), D Block, TTC Industrial area, MIDC Juinagar, Navi Mumbai Maharashtra.

Reference: Clearance File No. : SEAC-2212/CR-274/TC-II dtd. 26.12.2014.

Dear Sir,

This is with reference to the above subject. We are submitting the half yearly, post monitoring report for period of April, 2022 – September, 2022. 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. RAHEJA UNIVERSAL (PVT) LTD.,

C.C. to: - The Secretary, Environment 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

Contact No.: +91 9022334577

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

Consent

From: Consent
Sent: Wednesday, November 23, 2022 6:26 PM
To: 'sromumbai1@mpcb.gov.in'
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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 Construction of Industrial Galas / Units at "Raheja District II" Plot No. Gen 2/1C (part), D Block, TTC Industrial area, MIDC Juinagar, Navi Mumbai Maharashtra.

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2. The M.S., MPCB, Sion, Mumbai.



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Date: 23.11.2022

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New Secretarial Building, East wing, Civil Lane,
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For **RAHEJA UNIVERSAL (PVT.) LTD.,**



Authorized Signatory

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

Date : 23.11.2022

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 April, 2022 – September, 2022.Reference: Clearance File No.: SEAC-2212/CR-274/TC-II dtd. 26.12.2014.

Dear Sir,

This is with reference to the above subject, our Construction of Industrial Galas / Units at “Raheja District II” Plot No. Gen 2/1C (part), D Block, TTC Industrial area, MIDC Juinagar, Navi Mumbai Maharashtra.

The present project status at site is as follows:

Wings	Floors	Status
1A	Gr. + 4	Completed
1B	Gr. + 4	Completed
Tesla Bldg. No. 2	Gr. + 6	Work in Progress

Thanking you,

Yours truly,
For RAHEJA UNIVERSAL (PVT.) LTD.,



Authorized Signatory

DATA SHEET

Developer

M/S. RAHEJA UNIVERSAL (PVT) LTD.

Plot No. Gen 2/1/B, D Block, TTC Industrial area,
MIDC Juinagar, Navi Mumbai, Maharashtra.

MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS

Ministry of Environmental and Forests

Regional Office, Nagpur.

Monitoring Report

PART – I**DATA SHEET**

1.	Project type: river - valley/ mining/ Industry / thermal / nuclear/ Other (specify)	Construction Project Industrial Galas / Units
2.	Name of the project	Raheja District II
3.	Clearance letter (s) / OM/ no and date:	Clearance File No.: SEAC-2212/CR-274/TC-II dtd. 26.12.2014.
4.	Location	Plot No. Gen 2/1/C, D Block, TTC Industrial area, MIDC Juinagar
a.	District (s)	Navi Mumbai
b.	State (s)	Maharashtra
5.	Address for correspondence	
a.	Address of concerned project Chief Engineer (with pin code & telephone / telex / fax numbers)	Mr. Mukesh Pawar M/s. Raheja Universal (Pvt). Ltd., Raheja Centre Point, 294, CST Road, Kalina, Santa Cruz (E), Mumbai.
b.	Address of Executive Project Engineer /Manager (with pin code / fax number)	Mr. Sachin Sape M/s. Raheja Universal (Pvt). Ltd., Raheja Centre Point, 294, CST Road, Kalina, Santa Cruz (E), Mumbai.
6.	Salient features	
a.	of the project	Industrial Galas / Units Total Plot Area = 1,09,584.47 sq.m.

		<p>As per FSI: 1,47,939.00 sq.m.</p> <p>Non FSI: 1,07,461.00 sq.m.</p> <p>Total Built – Up Area: 2,55,400.00 sq.m.</p> <table border="1"> <thead> <tr> <th>Component</th> <th>No. of Buildings</th> <th>Configuration</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Building</td> <td>1,2,3</td> <td>G + 4 Flrs.</td> </tr> <tr> <td>4,5</td> <td>G + 5 Flrs.</td> </tr> <tr> <td>Multilevel Car Parking</td> <td colspan="2">G + 4.</td> </tr> <tr> <td colspan="3">Town Centre</td> </tr> </tbody> </table>	Component	No. of Buildings	Configuration	Building	1,2,3	G + 4 Flrs.	4,5	G + 5 Flrs.	Multilevel Car Parking	G + 4.		Town Centre		
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Building	1,2,3	G + 4 Flrs.														
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Multilevel Car Parking	G + 4.															
Town Centre																
b.	of the environmental management plans	<p>1. <u>Sewage Treatment Plant:</u></p> <p>Two Sewage Treatment Plants with capacity of 409 m³/day will be provided for treating the wastewater.</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> <p>Solid waste to be segregated at source and non-Biodegradable will be handed over to authorize recyclers & dried sludge from STP will be used as manure. Biodegradable waste will be processed in Organic Waste Converter which to be used for landscaping / gardening.</p>														
7.	Break Up Of the project Area															
a.	Submerge area: forest & non-forest	Non-Forest														
b.	Others	<p>Total Plot Area: 1,09,584.47 sq.m.</p> <p>Total Construction Area: 2,55,400.00 sq.m.</p>														
8.	Break up 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 subsequent revised estimates and the year of price reference	Total cost: 395 Crores																												
b.	Allocation made for environmental management plans with item wise and year wise break-up	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Method Adopted</th> <th>Setting-up Cost (in lakhs)</th> <th>Annual Maintenance and Operational Cost (in lakhs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Sewage Treatment Plant</td> <td>82.5</td> <td>22</td> </tr> <tr> <td>2</td> <td>Rain water Harvesting</td> <td>28</td> <td>3.5</td> </tr> <tr> <td>3</td> <td>Landscaping</td> <td>45</td> <td>10</td> </tr> <tr> <td>4</td> <td>Solar Energy</td> <td>120</td> <td>16</td> </tr> <tr> <td>5</td> <td>Solid waste management</td> <td>8</td> <td>2.5</td> </tr> <tr> <td colspan="2">Total</td> <td>283.5</td> <td>54.0</td> </tr> </tbody> </table>	Sr. No.	Method Adopted	Setting-up Cost (in lakhs)	Annual Maintenance and Operational Cost (in lakhs)	1	Sewage Treatment Plant	82.5	22	2	Rain water Harvesting	28	3.5	3	Landscaping	45	10	4	Solar Energy	120	16	5	Solid waste management	8	2.5	Total		283.5	54.0
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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. 89,82,18,122 /-																												
f.	Actual expenditure incurred on the environmental management plans so far	Rs. 1,83,09,664 /-																												
10.	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: 10,978.00 Sq. m. A combination of native evergreen trees and ornamental flowering trees, shrubs and palms are planned in the complex. There will be tree plantation of about 1,100 Nos. 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.
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information	N.A.
12.	Status of construction	
a.	Date of commencement (Actual and/or planned)	2 nd February 2015
b.	Date of completion (Actual and/ of planned)	October 2018.
13.	Reasons for the delay if the project is yet to start	---
14.	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	18.04.2022; 18.08.2022
15.	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 File No.: SEAC-2212/CR-274/TC-II dtd. 26.12.2014. Mr. Kamal Khemani M/s. Raheja Universal (Pvt). Ltd., Raheja Centre Point, 294, CST Road, Kalina, Santa Cruz (E), Mumbai.

COMPLIANCE REPORT

Developer

M/S. RAHEJA UNIVERSAL (PVT) LTD.

Plot No. Gen 2/1/B, D Block, TTC Industrial area,
MIDC Juinagar, Navi Mumbai, Maharashtra.

COMPLIANCE REPORT

General conditions for Pre-construction phase:-

1.	This is environmental clearance is issued to (a) Provide ramps in staircases (b) restrict car parking no. 1369 as per approved (c) Increase in width of passage between toilet & staircase from 1.5 to 2.5m (d) Relocate DG set on ground.	Condition is noted.
2.	This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issued applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environmental department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Environmental Impact Assessment Authority (SEIAA) approved the proposed land use.	Condition is noted.
3.	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.	ESZ Boundary for SGNP is already published. This project site does not fall under the ESZ boundary as notified.
4.	PP has to abide by the conditions stipulated by SEAC & SEIAA.	Condition is noted.

5.	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI /FAR norms of the urban local body & it should ensure the same before approving layout plan & before according commencement certificate to proposed work. ULB should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	The height & built-up area of this proposed project are according to the existing FSI/ FAR norms.
6.	“Consent for Establishment” shall be obtained from Maharashtra pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.	Consent to Establish & Consent to Operate is received from MPCB.
7.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Adequate numbers of toilets for Labour, provision of potable water etc. to maintain sanitary and hygienic measures are taken.
General conditions for Construction Phase :-		
1.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.	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.
2.	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	Adequate drinking water facility is provided for the workers at the site during construction phase. Toilets are provided for construction workers. Bins have been provided to dispose the municipal solid waste generated from labor camps.
3.	The solid waste generated should be properly collected and segregated. Dry/ inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	The solid waste generated shall be properly collected and segregated and also being stored separately in two bin system. Biodegradable Waste of operation phase shall be processed in OWC and manure so obtained will be used for landscaping. Non-biodegradable Waste shall be managed

		through recyclers.
4.	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	All construction waste gets collected and segregated properly. Most of that is reused for the construction activity. Muck will be dried before its final disposal.
5.	Arrangement shall be made that waste water and storm water do not get mixed.	Separate confined sewage system has been proposed which is connected to STP for the treatment and reuse of the treated water. Excess treated water shall be disposed off into the sewer drain. Storm water drain shall be in covered drain system and will be connected to municipal drain.
6.	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	Excavated Top soil is being used for landscaping.
7.	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	The cut & fill is minimum to the extent possible. The cut & fill is accordance with the natural contour and it will be maintained in such a way that the natural drainage will not disturb. There will not be import and export of soil from site.
8.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture Dept.	<ul style="list-style-type: none"> • The green area proposed is 10978.00 m². Accordingly same will be provide as per approved plan. • A combination of native evergreen trees and ornamental flowering trees, shrubs and palms are planned in the complex. • There will be tree plantation of about 1100 nos. • Plantation Details: Species will be selected as per CPCB greenbelt guidelines and common species available in the proposed area.
9.	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Soil testing was done and according to the reports all the parameters are within the prescribed norms.

10.	Construction Spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.	<ul style="list-style-type: none"> • There will be no generation of hazardous waste at site. Proper care would be taken following the norms to handle and use the bituminous and other hazardous material at site. • Also silt traps and other measures such as additional on-site will be constructed to control surface Run-off.
11.	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra pollution Control Board.	Used oil would be generated from the site, will be disposed through Authorized vendor of MPCB.
12.	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.	DG set specifications is as per CPCB norms.
13.	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken	The diesel required for the operation phase will be stored as per the provision of petroleum act.
14.	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.
15.	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>Following care are taken regarding noise levels with conformation to the residential area.</p> <ol style="list-style-type: none"> 1. Use of well-maintained equipment fitted with silencers. 2. Noise shields near the heavy construction operations are provided. 3. Construction activities are limited to daytime hours only. <p>Also use of Personal Protective Equipment (PPE) like ear muffs and ear plug during construction activities.</p> <p>The ambient air and noise report is enclosed</p>

		herewith. The report indicates that the same are within the prescribed norms defined by the concern authority.
16.	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27 th August, 2003 (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).	Yes, Ready mixed concrete added with fly ash is being used in the construction.
17.	Ready mixed concrete must be used in building construction.	Yes, Ready mixed concrete added with fly ash is being used in the construction.
18.	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.	<ul style="list-style-type: none"> • Fire hydrant system • Automatic sprinkler system • Fire pumps & ancillaries • Portable fire extinguishers • Fire detection and alarm system • Internal Fire Engine Movement with min 9.0 mt wide internal road • Design for seismic zone III as per IS 1893 2002
19.	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Rainwater from terraces and other open area will be diverted to recharge pits for ground water recharge.
20.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Ready mix concrete is used to reduce water demand during construction.
21.	The ground water level and its quality should be monitored regularly in consultation with Ground water Authority.	There is no extraction of ground water in this project. The ground water levels and its quality are checked before commencement of the project. The copy of the same is enclosed herewith.
22.	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled / reused to the maximum extent possible. Treatment of 100% gray water by	STP has been provided to treat the waste water. STP has been provided by established consultant and operation and maintenance shall be done by the technical persons of consultant. MOU has done for the maintenance.

	decentralized treatment should be done. Discharge of unused treated affluent shall conform to the norms and standards of the Maharashtra Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.	
23.	Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.	We are not drawing any water from ground. We are using only Tanker water for construction.
24.	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	Yes, water will be separated by the use of dual plumbing line.
25.	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	Adequate measures will be taken into consideration to minimize the wastage of water.
26.	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows.	Glazing area will be maintained below 40% of the façade area for the residential buildings.
27.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement	<ul style="list-style-type: none"> • Roof insulation 50 mm expanded polystyrene or equivalent insulation. • Heat reflective double glazed glass provided on external façade for the residential buildings.
28.	Energy conservation measures like installation of CFLs / TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non conventional energy source as source of energy.	<ul style="list-style-type: none"> • Power Saving through Internal Road Lights on Solar (32 No's) -2.88 kW • Power Saving through common area lights on T5 FTL (230 No's) - 2.3 kW • Power Saving through Lift Lobby lights on PV panels (50 No's) - 11.6 kW • Power Saving through Passage lights on PV panels (170 No's) - 41.25 kW • Saving through Cu. Wound Transformers - 518.25 kW • Saving through APFC panel - 4757.52 kW

29.	Diesel power generating sets proposed as sources of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed GD sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	<ul style="list-style-type: none"> • D.G. sets will be provided as back up for Residential buildings. • About 3 no's of 1010 kVA , 3 no's of 500 kVA and 1 No of 380 kVA D.G. sets will be provided with silencer & acoustic enclosures. The stacks shall be provided as per MPCB norms.
30.	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	<p><u>Construction Phase :-</u></p> <ul style="list-style-type: none"> • Temporary noise barriers at major construction area like excavation, demolition, RMC plant etc. • Construction activities will be limited to daytime hours only. • Use of Personal Protective Equipment (PPE) like ear muffs and ear plug during construction activities. • Deliveries to the site will be scheduled to occur during the standard construction hours. The timing of truck movements and heavy machinery access to and from the site will also be scheduled to limit any potential noise impacts on surrounding receptors. • Vehicles, plant and machinery will be fitted with appropriate noise abatement equipment, regularly maintained in accordance with the manufacturers' instructions and in good working order. • Noisy hand-held construction tools/equipment – such as power saws, planers, nail-guns etc – will be used inside the structures where the works are occurring wherever practical or as close to the final works site as practical or on the side of structures facing away from potential receptors. Sub-contractors will be deterred from playing loud music, or radios, outside structures or from vehicles.

		<ul style="list-style-type: none"> Vehicles, plant and equipment will be turned off when not in use - idling or "standby" modes will be avoided. <p><u>Operation Phase :-</u></p> <ul style="list-style-type: none"> Green belt development Specifying the project internal area as anti honking areas. Provision of 2 lane internal divided roads for smooth vehicular movement.
31.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	<p><u>Construction Phase :-</u></p> <ul style="list-style-type: none"> Vehicular movement will be restricted to daytime only and adequate parking facility will be provided. On site excess roads will be utilized for construction. <p><u>Operation Phase :-</u></p> <ul style="list-style-type: none"> Provision of multiple Entry / Exit. 2 Way divided internal roads. Separate loading and unloading area . Minimum traffic crossings / conflicts - LILO principle (Left In Left Out)
32.	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	Efforts for the Opaque wall will meet prescriptive requirement as per draft Energy Conservation Building Code by use of appropriate thermal insulation material to fulfill requirement.
33.	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Condition is noted.
34.	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	Regular supervision done by our site engineer to take care of the construction activity and of the surroundings.
35.	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental	Environmental Clearance is already obtained. Obtained Consent to Establish.

	clearance.	
36.	Six monthly monitoring reports should be submitted to the department and MPCB.	Six monthly reports are submitted regularly to concerned department and MPCB.
General conditions for Post-Construction / Operation phase :-		
1.	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.	The provisions of STP, MSW disposal facility & Green Belt development will be completed before getting the Occupation certificate.
2.	Wet garbage should be treated by Organic Waste Converter and treated waste (Manure) should be utilized in existing premise for gardening. And no wet garbage will be disposed outside the premises. Local authority should ensure this.	Wet garbage will be treated by Organic Waste Converter with curing system and manure shall be used for gardening.
3.	Local body should ensure that no occupation certification is issued prior tom operation of STP/MSW site etc. with due permission of MPCB.	No occupation certification will be issued prior to operation of STP/MSW site etc. with due permission of MPCB.
4.	A complete set of all the documents submitted to Department should be forwarded to the MPCB	Complete set of all the documents submitted to the MPCB.
5.	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.
6.	A separate environment management cell with qualified staff shall be set up for implantation of the stipulated environmental safeguards.	Separate environment management cell with qualified staff is formed and implementing the same.
7.	Separate funds shall be allocated for implementation of environmental protection measures/ EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB and	Condition is noted.

	this department.	
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 http://ec.maharashtra.gov.in .	The advertisement is published in Marathi and English language local newspaper. In Marathi news paper 'Navshakti' dtd. 15.08.2015 & in English newspaper 'The Free Press' dtd. 15.08.2015 Respectively. Xerox copies of same are enclosed for your ready reference. Also, the advertisement is displayed on website of company.
9.	Project management should submit half yearly compliance reports in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the MPCB and this department, on 1 st June and 1 st December of each calendar year.	We are regularly submitting six monthly reports to Environment Department, Mantralaya & MPCB.
10.	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Yes, we noted the condition & agreeable to the same.
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, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels mainly; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectorai 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.	Regular monitoring is been carried out and the results of the same are submitted to concern authority along with the report.
12.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEF, the respective Zonal Office of	We are regularly submitting six monthly reports to Environment Department, Mantralaya & MPCB.

	CPCB and the SPCB.	
13.	The environmental statement for each financial year ending 31 st March in Form – V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Condition is noted.
14.	The environmental Clearance is being issued without prejudice to the court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon`ble court will be binding on the project proponent . hence this clearance doesn't not give immunity to the project proponent in the case filed against him.	Condition is noted.
15.	In case of submission of false document and non compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	Condition is noted.
16.	The Environment department reserves the right to add any stringent condition or to revoke the clearance of conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	Condition is noted.
17.	Validity of Environmental Clearance: The environmental clearance accorded shall be valid for the period of 5 years.	Condition is noted.
18.	In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental	Condition is noted.

	protection measures required, if any.	
19.	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.	Condition is noted.
20.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, Van Vignyan Bhavan, Sec-5, R.K. Puram, New Delhi - 110022, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Condition is noted.
21.	This environment clearance is issued for proposed industrial Galas /Units plot no. Plot No. Gen 2/1/B, D Block, TTC Industrial area, MIDC Juinagar, Navi Mumbai by M/s Raheja Universal Pvt. Ltd.	Condition is noted.

**ENERGY
CONSERVATION
MEASURES**

Developer

M/S. RAHEJA UNIVERSAL (PVT) LTD.

Plot No. Gen 2/1/B, D Block, TTC Industrial area,
MIDC Juinagar, Navi Mumbai, Maharashtra.

ENERGY CONSERVATION MEASURES

- Power Saving through Internal Road Lights on Solar (32 No's) -2.88 kW
- Power Saving through common area lights on T5 FTL (230 No's) – 2.3 kW
- Power Saving through Lift Lobby lights on PV panels (50 No's) – 11.6 kW
- Power Saving through Passage lights on PV panels (170 No's) – 41.25 kW
- Saving through Cu. Wound Transformers - 518.25 kW
- Saving through APFC panel - 4757.52 kW

SUMMARY OF POWER SAVING	
Total Power Saving	5333.8 KW
Total Demand Load	30131 KW
% POWER Saving per year	
SUMMARY FOR ENERGY SAVING	
Total Energy Saving	46067422.1 KWH
Total Demand Load /YR	263946962 KWH
% ENERGY Saving per year	17.5

TOTAL ENERGY SAVING BY SELECTION OF LIGHTING FIXTURE							
1. External Road Lights							
Sl. No	Area	Watts per light	Solar light watts per light in (watts)	Energy saving watts Per light	Total number of lights	Total energy saving	Unit
1	External Lights	150W POST TOP LANTERN	60	90	32	2.88	kW
Total Power Saving						3kW	

2. Building Common Area Lights							
Sl. No	Area	Watts per light	Actual watts per light	Energy saving watts Per light	Total number of lights	Total energy saving	Unit
1	Common area - Parking	36W FTL	26W T5 FTL LIGHT	10	230	2.3	kW
Total Power Saving						2kW	

3. Building Common Area Lights (LOBBY)							
Sl. No	Area	Watts per light	Actual watts per light	Energy saving watts Per light	Total number of lights	Total energy saving	Unit
1	Common area Lift Lobby	36W FTL	26W T5 FTL LIGHT	10	1160	11.6	kW
TOTAL LOAD			Total Power Saving			11.6 kW	

4. Building Common Area Lights (2.5mtr wide Passage)							
Sl. No	Area	Watts per light	Actual watts per light	Energy saving watts Per light	Total number of lights	Total energy saving	Unit
1	Common area Lift Lobby	36W FTL	26W T5 FTL LIGHT	10	4125	41.25	KW
TOTAL LOAD			Total Power Saving			41.25 kW	

5. Power Saving in Cu. Wound Transformer	
Power loss using Al. wound transformer	3.48%
Power loss using CU. wound transformer	1.76%
Savings in power loss using Cu. Wound transformer	1.72%
Total Demand Load In Kw	30130.93 kW
Saving in Power loss in KW using Cu. Wound Transformer	518.25 kW

6. Power saving due to Capacitor bank - APFC Panel	
Total Maximum Demand in KW at 0.77 diversity factor	30131 kW
Total Maximum Demand in kva @ 0.8 of	37664 kVA
Total Maximum Demand in kva @ 0.95 of BY USING APFC PANEL	31717 kVA
Total Power Saved due to APFC Panel	5947 kVA
Total Power Saved due to APFC Panel in KW	4757.52 kW

HALF YEARLY POST ENVIRONMENTAL
MONITORING REPORT

OF

RESIDENTIAL COMPLEX
“RAHEJA DISTRICT - II”

For

April, 2022 – September, 2022

Developer

M/S. RAHEJA UNIVERSAL (PVT) LTD.

Plot No. Gen 2/1/B, D Block, TTC Industrial area,
MIDC Juinagar, Navi Mumbai, Maharashtra.

Prepared by

ENVIRO ANALYSTS & ENGINEERS P. LTD.,

Water Sample Analysis Report

Report No. - EAEPL/W/04/22/00384			Report Date – 26.04.2022		
Name of Customer		M/s. Raheja Universal Pvt. Ltd.			Reference – RUPL/ARCH/RD-II/EAEPL-Q/PMR/436/2020
Site Address		"Raheja District II" Gen 2/1/C, D Block, TTC Industrial Area, MIDC, Navi Mumbai.			
Nature and Description of Sample		NMC Water	Sample Collected by		EAEPL Laboratory
Sampling locations and Sample Code		EAEPL/W/04/22/00384 (Near Site Office)	Sample quantity and packing		2 L X 1 No. PVC Can. 500 mL X 1 No. Sterilised Glass Bottle.
			Preservation		Cool -Transported and stored at 5 °C (± 1°C).
Date of Sampling		18.04.2022	Date of Receipt		19.04.2022
Sampling Procedure		EAEPL/LAB/SOP/02			
Period of Analysis		19.04.2022 to 26.04.2022			
Report for the month		April, 2022			

Discipline: Chemical
Group: Water

Parameters	Unit	Results	IS 10500:2012 Limits		Method
			Acceptable Limits	Permissible Limits	
pH	-	7.67	6.5-8.5	No Relaxation	IS 3025 (Part 11) 1983 Reaffirmed 2017
Total Dissolved Solids	mg / l	302.00	500	2000	IS 3025 (Part 16) 1984 Reaffirmed 2017
Chlorides as Cl	mg / l	84.66	250	1000	IS 3025 (Part 32) 1988 Reaffirmed 2019
Total Hardness	mg / l	180.00	200	600	IS 3025 (Part 21) 2009 Reaffirmed 2019
Calcium	mg / l	44.09	75	200	IS 3025 (Part 40) 1991 Reaffirmed 2019
Residual chlorine	mg / l	< 0.10	0.20	1	IS 3025 (Part 26) 1986 Reaffirmed 2019
Alkalinity	mg / l	64.38	200	600	IS 3025 (Part 23) 1986 Reaffirmed 2019
Turbidity	NTU	< 1.00	1	5	IS 3025 (Part 10) 1984 Reaffirmed 2017
Sulphate	mg / l	20.40	200	400	IS 3025 (Part 24) 1986 Reaffirmed 2019
Nitrate	mg / l	0.49	45	No Relaxation	APHA 4500 NO ₃ -B (23 rd Edition)
Fluoride	mg / l	0.34	1	1.5	APHA 4500 F-D (23 rd Edition)
Heavy Metals:					
Iron (Fe)	mg / l	0.122	0.3	No Relaxation	IS 3025 (Part 53) 2003 Reaffirmed 2019
Copper (Cu)	mg / l	0.024	0.05	1.5	IS 3025 (Part 42) 1992 Reaffirmed 2019
Zinc (Zn)	mg / l	0.078	5	15	IS 3025 (Part 49) 1994 Reaffirmed 2019
Lead (Pb)	mg / l	0.002	0.01	No Relaxation	IS 3025 (Part 47) 1994 Reaffirmed 2019
Chromium (Cr)	mg / l	0.031	0.05	No Relaxation	IS 3025 (Part 52) 2003 Reaffirmed 2019

-----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).
 2. This report is not to be reproduced except in full, without written approval of the laboratory.

Water Sample Analysis Report

Report No. - EAEPL/W/04/22/00384		Report Date - 26.04.2022	
Name of Customer		M/s. Raheja Universal Pvt. Ltd.	
Site Address		"Raheja District II" Gen 2/1/C, D Block, TTC Industrial Area, MIDC, Navi Mumbai.	
Nature and Description of Sample		Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code		Sample quantity and packing	500 mL X 1 No. St PP Bottle.
		Preservation	Cool -Transported and stored at 5 °C (± 1°C).
Date of Sampling		Date of Receipt	19.04.2022
Sampling Procedure		EAEPL/LAB/MB/SOP/17	
Period of Analysis		19.04.2022 to 26.04.2022	
Report for the month		April, 2022	

Discipline: Biological

Group: Water

Parameters	Unit	Results	IS 10500:2012 Limits	Method
			Requirements	
Microbiological Analysis:				
Coliforms	/100ml	Absent	Absent	IS 15185:2016 (Reaffirmed 2021)
<i>E. coli</i>	/100ml	Absent	Absent	IS 15185:2016 (Reaffirmed 2021)

-----End-----

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



Authorized Signatory
(Shweta Sonawale)

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Ambient Air Quality Monitoring Report

Report No. - EAEPL/A/04/22/00383			Report Date - 26.04.2022
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference - RUPL/ARCH/RD-II/EAEPL-Q/PMR/436/2020
Site Address	"Raheja District II" Gen 2/1/C, D Block, TTC Industrial Area, MIDC, Navi Mumbai.		
Nature and Description of Sample	Ambient Air	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/A/04/22/00383 (Near Main Gate of Site)	Sample quantity and packing	PM ₁₀ = 1 * 1 No. Filter paper. PM _{2.5} = 1 * 1 No. Filter paper. SO _x = 30ml * 2 No. PVC bottle. NO _x = 30ml * 2 No. PVC bottle.
		Preservation	Filter papers - Transported and stored in desiccator. PVC bottles - Transported and stored at 5°C (±1 °C).
Date of Sampling	18.04.2022	Date of Receipt	19.04.2022
Sampling Procedure	EAEPL/LAB/SOP/01		
Period of Analysis	19.04.2022 to 26.04.2022		
Report for the month	April, 2022		

Discipline: Chemical

Group: Atmospheric Pollution

Environmental Conditions			
Ambient Air Temperature (°C)	Relative Humidity (%)	Duration of Monitoring	
37°C	48 %	8 Hours	
RESULTS			
Test Parameters	Results	NAAQS LIMITS	METHOD
R.S.P.M (PM ₁₀) (µg/m ³)	46.16	100 µg/m ³	IS 5182 Part 23
R.S.P.M (PM _{2.5}) (µg/m ³)	18.75	60 µg/m ³	EAEPL/LAB/SOP/AIR/05
SO ₂ (µg/m ³)	19.94	80 µg/m ³	IS 5182 Part-2 (2001) Reaffirmed 2017
NO _x (µg/m ³)	21.03	80 µg/m ³	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)

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Ambient Noise Level Monitoring Report

Report No. - EAEPL/PM/RUPL/19-05/04/2022			Report Date – 26.04.2022
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference – RUPL/ARCH/RD-II/EAEPL- Q/PMR/436/2020
Site Address	"Raheja District II" Gen 2/1/C, D Block, TTC Industrial Area, MIDC, Navi Mumbai.		
Nature and Description of Sample	Noise	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	PM/N/19-05/04/22	Sample quantity and packing	Not Applicable
Date of Sampling	18.04.2022	Date of Receipt	Not Applicable
Sampling Procedure	EAEPL/LAB/SOP/04		
Period of Analysis	Not Applicable		
Report for the month	April, 2022		

Discipline: Chemical

Group: Atmospheric Pollution

Monitoring Locations	Units	Results		CPCB Norms	
		Day Time	Night Time	Day	Night
Main gate of site	dB(A) Leq.	53.0	42.0	55	45
Back Side of site	dB(A) Leq.	53.4	42.0	55	45
Near Site Office	dB(A) Leq.	53.4	43.8	55	45
Centre side of site	dB(A) Leq.	53.3	43.9	55	45

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

End

For M/s. ENVIRO ANALYSTS & 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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Soil Sample Analysis Report

Report No. - EAEPL/S/04/22/00385		Report Date – 26.04.2022	
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference –
Site Address	"Raheja District II" Gen 2/1/C, D Block, TTC Industrial Area, MIDC, Navi Mumbai.		RUPL/ARCH/RD-II/EAEPL- Q/PMR/436/2020
Nature and Description of Sample	Soil	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/S/04/22/00385 (Centreside of Site)	Sample quantity and packing	500gm X 1 Zip lock bag
		Preservation	Transported & stored in dry area
Date of Sampling	18.04.2022	Date of Receipt	19.04.2022
Sampling Procedure	EAEPL/LAB/SOP/03		
Period of Analysis	19.04.2022 to 26.04.2022		
Report for the month	April, 2022		

Discipline: Chemical
Group: Soil & Rock

Parameters	Unit	Results	Methods
pH	-	7.61	IS 2720 (Part 26):1987, Reaffirmed:2016
Electrical Conductivity	µS/cm	381.93	IS 14767:2000, Reaffirmed:2021
Organic Matter	%	1.87	IS 2720 (Part 22) – 1972 (Reaffirmed 2020)
Sulphate	mg/kg	35.78	IS 3025 (Part 24):1986, (Water Extract 1:10) Reaffirmed 2019
Soil Moisture	%	17.74	IS 2720 (Part 02):1973 (Reaffirmed 2020) Oven drying method
Water Holding Capacity	%	34.94	EAEPL/LAB/SOP/SOIL/10
Total Kjeldhal Nitrogen	mg/kg	835.10	IS 14684:1999 (Reaffirmed 2019)
Chlorides	mg/kg	86.10	APHA 4500 Cl ⁻ B and ISRIC Soil analysis procedure, Page No:13-6
Available Phosphorus	mg/kg	1.72	EAEPL/LAB/SOP/SOIL/11
Calcium	mg/kg	2261.37	EPA 9080
Magnesium	mg/kg	124.89	EPA 9080
Sodium (Na)	mg/kg	3357.76	SW-846 Method 3050B
Potassium (K)	mg/kg	3143.07	SW-846 Method 3050B
Heavy Metals:			
Copper	mg/kg	105.47	SW-846 Method 3050B
Iron	mg/kg	84356.50	SW-846 Method 3050B
Lead	mg/kg	100.65	SW-846 Method 3050B
Zinc	mg/kg	144.93	SW-846 Method 3050B

-----End-----

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

Authorized Signatory
(Netra Pawar)

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Waste Water Sample Analysis Report

Report No. – EAEPL/W/04/22/00386		Report Date – 26.04.2022	
Name of Customer	M/s. Raheja Universal Pvt. Ltd.	Reference- RUPL/ARCH/RD-II/EAEPL-Q/PMR/436/2020	
Site Address	"Raheja District II" Gen 2/1/C, D Block, TTC Industrial Area, MIDC, Navi Mumbai.		
Nature and Description of Sample	Waste Water	Sample Collected by	EAEPL Laboratory
Sampling Locations and Sample Code	STP Inlet EAEPL/W/04/22/00386	Sample Quantity and Packing	1 L* 1 No. PVC Can.
		Preservation	Cool -Transported and stored at 5°C (± 1°C)
Date of Sampling	18.04.2022	Date of Receipt	19.04.2022
Sampling Procedure	EAEPL/LAB/SOP/02		
Period of Analysis	19.04.2022 to 26.04.2022		
Report for the month	April, 2022		

Discipline: Chemical

Group: Pollution & Environment

Parameters	Unit	Results	Method
pH	-	6.87	IS 3025 (Part 11) (1983) Reaffirmed 2017
Total Suspended Solids	mg / l	30.00	IS 3025 (Part 17) (1984) Reaffirmed 2017
Total Dissolved Solids	mg / l	298.00	IS 3025 (Part 16) (1984) Reaffirmed 2017
Biological Oxygen Demand (27°C for 3 Days)	mg / l	61.22	IS 3025 (Part 44) (1993) Reaffirmed 2019
Chemical Oxygen Demand	mg / l	187.56	IS 3025 (Part 58) (2006) Reaffirmed 2017
Oil & Grease	mg / l	16.00	IS 3025 (Part 23) (1986) Reaffirmed 2019

End

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



Authorized Signatory
(Netra Pawar)

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Waste Water Sample Analysis Report

Report No. - EAEPL/W/04/22/00387		Report Date - 26.04.2022	
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference- RUPL/ARCH/RD-II/EAEPL-Q/PMR/436/2020
Site Address	"Raheja District II" Gen 2/1/C, D Block, TTC Industrial Area, MIDC, Navi Mumbai.		
Nature and Description of Sample	Waste Water	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	STP Outlet EAEPL/W/04/22/00387	Sample quantity and packing	1 L* 1 No. PVC Can.
		Preservation	Cool -Transported and stored at 5°C (± 1°C)
Date of Sampling	18.04.2022	Date of Receipt	19.04.2022
Sampling Procedure	EAEPL/LAB/SOP/02		
Period of Analysis	19.04.2022 to 26.04.2022		
Report for the month	April, 2022		

Discipline: Chemical

Group: Pollution & Environment

Parameters	Unit	Results	MPCB Limits	Method
pH	-	7.72	6.5 to 9.0	IS 3025 (Part 11) (1983) Reaffirmed 2017
Total Suspended Solids	mg / l	26.00	Not more than 20	IS 3025 (Part 17) (1984) Reaffirmed 2017
Total Dissolved Solids	mg / l	246.00	NS	IS 3025 (Part 16) (1984) Reaffirmed 2017
Biological Oxygen Demand (27°C for 3 Days)	mg / l	19.23	Not more than 10	IS 3025 (Part 44) (1993) Reaffirmed 2019
Chemical Oxygen Demand	mg / l	58.35	Not more than 50	IS 3025 (Part 58) (2006) Reaffirmed 2017
Oil & Grease	mg / l	9.00	NS	IS 3025 (Part 23) (1986) Reaffirmed 2019

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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Water Sample Analysis Report

Report No. - EAEPL/W/08/22/00989		Report Date – 26.08.2022	
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference – RUPL/ARCH/RD-II/EAEPL-Q/PMR/436/2020
Site Address	"Raheja District II" Gen 2/1/C, D Block, TTC Industrial Area, MIDC, Navi Mumbai.		
Nature and Description of Sample	Tanker Water	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/W/08/22/00989 (Near Labour Camp)	Sample quantity and packing	2 L X 1 No. PVC Can.
		Preservation	Cool -Transported and stored at 5 °C (± 1°C).
Date of Sampling	18.08.2022	Date of Receipt	19.08.2022
Sampling Procedure	EAEPL/LAB/SOP/02		
Period of Analysis	19.08.2022 to 26.08.2022		
Report for the month	August, 2022		

Discipline: Chemical
Group: Water

Parameters	Unit	Results	Method
pH	-	7.38	IS 3025 (Part 11) 2022
Total Dissolved Solids	mg / l	272.00	IS 3025 (Part 16) 1984 Reaffirmed 2017
Chlorides as Cl	mg / l	68.49	IS 3025 (Part 32) 1988 Reaffirmed 2019
Total Hardness	mg / l	172.41	IS 3025 (Part 21) 2009 Reaffirmed 2019
Calcium	mg / l	36.07	IS 3025 (Part 40) 1991 Reaffirmed 2019
Residual chlorine	mg / l	ND	IS 3025 (Part 26) 2021
Alkalinity	mg / l	60.90	IS 3025 (Part 23) 1986 Reaffirmed 2019
Turbidity	NTU	< 1.00	IS 3025 (Part 10) 1984 Reaffirmed 2017
Sulphate	mg / l	17.53	IS 3025 (Part 24) Sec1:2022
Nitrate	mg / l	0.44	APHA 4500 NO ₃ -B (23 rd Edition)
Fluoride	mg / l	0.34	APHA 4500 F-D (23 rd Edition)
Heavy Metals:			
Iron (Fe)	mg / l	0.122	IS 3025 (Part 2) 2019
Copper (Cu)	mg / l	0.021	IS 3025 (Part 2) 2019
Zinc (Zn)	mg / l	0.074	IS 3025 (Part 2) 2019
Lead (Pb)	mg / l	0.002	IS 3025 (Part 2) 2019
Chromium (Cr)	mg / l	0.028	IS 3025 (Part 2) 2019

Remark: All the values are well within prescribed IS 10500:2012 Limits.

-----End-----

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


Authorized signatory
(Shilpa Dhamanikar)

Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).
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Water Sample Analysis Report

Report No. - EAEPL/W/08/22/00989		Report Date – 26.08.2022	
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference – RUPL/ARCH/RD-II/EAEPL-Q/PMR/436/2020
Site Address	"Raheja District II" Gen 2/1/C, D Block, TTC Industrial Area, MIDC, Navi Mumbai.		
Nature and Description of Sample	Tanker Water	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/W/08/22/00989 (Near Labour Camp)	Sample quantity and packing	500ml X 1 No. St. PP Bottle
		Preservation	Cool -Transported and stored at 5 °C (± 1°C).
Date of Sampling	18.08.2022	Date of Receipt	19.08.2022
Sampling Procedure	EAEPL/LAB/MB/SOP/17		
Period of Analysis	19.08.2022 to 26.08.2022		
Report for the month	August, 2022		

Discipline: Biological

Group: Water

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

Remark: All the values are well within prescribed IS 10500:2012 Limits.

-----End-----

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

Authorized Signatory
(Shweta Sonawane)



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Ambient Air Quality Monitoring Report

Report No. - EAEPL/A/08/22/00988		Report Date – 26.08.2022	
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference – RUPL/ARCH/RD-II/EAEPL-Q/PMR/436/2020
Site Address	"Raheja District II" Gen 2/1/C, D Block, TTC Industrial Area, MIDC, Navi Mumbai.		
Nature and Description of Sample	Ambient Air	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/A/08/22/00988 (Near Main Gate of Site)	Sample quantity and packing	PM ₁₀ = 1 * 1 No. Filter paper. PM _{2.5} = 1 * 1 No. Filter paper. SO _x = 30ml * 2 No. PVC bottle. NO _x = 30ml * 2 No. PVC bottle.
		Preservation	Filter papers – Transported and stored in desiccator. PVC bottles - Transported and stored at 5°C (±1 °C).
Date of Sampling	18.08.2022	Date of Receipt	19.08.2022
Sampling Procedure	EAEPL/LAB/SOP/01		
Period of Analysis	19.08.2022 to 26.08.2022		
Report for the month	August, 2022		

Discipline: Chemical

Group: Atmospheric Pollution

Environmental Conditions			
Ambient Air Temperature (°C)	Relative Humidity (%)	Duration of Monitoring	
28°C	73 %	8 Hours	
RESULTS			
Test Parameters	Results	NAAQS LIMITS	METHOD
R.S.P.M (PM ₁₀) (µg/m ³)	44.51	100 µg/m ³	IS 5182 (Part 23) 2006 Reaffirmed 2017
R.S.P.M (PM _{2.5}) (µg/m ³)	16.25	60 µg/m ³	IS 5182 (Part 24) 2019
SO ₂ (µg/m ³)	18.60	80 µg/m ³	IS 5182 Part-2 (2001) Reaffirmed 2017
NO _x (µg/m ³)	21.88	80 µg/m ³	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
(Shilpa Dhanrajkar)

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Ambient Noise Level Monitoring Report

Report No. - EAEPL/N/08/22/00991		Report Date – 26.08.2022	
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference – RUPL/ARCH/RD-II/EAEPL-Q/PMR/436/2020
Site Address	"Raheja District II" Gen 2/1/C, D Block, TTC Industrial Area, MIDC, Navi Mumbai.		
Nature and Description of Sample	Noise	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/N/08/22/00991	Sample quantity and packing	Not Applicable
Date of Sampling	18.08.2022	Date of Receipt	Not Applicable
Sampling Procedure	EAEPL/LAB/SOP/04		
Period of Analysis	Not Applicable		
Report for the month	August, 2022		

Discipline: Chemical

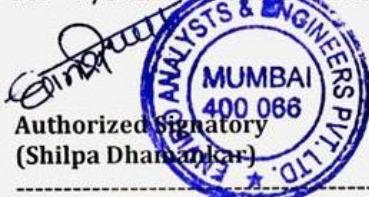
Group: Atmospheric Pollution

Monitoring Locations	Units	Results		CPCB Norms	
		Day Time	Night Time	Day	Night
Near Main Gate of site	dB(A) Leq.	57.1	45.4	55	45
Near Back Side of site	dB(A) Leq.	54.1	41.8	55	45
Near Site Office	dB(A) Leq.	51.8	42.4	55	45
Centre side of site	dB(A) Leq.	55.5	43.4	55	45

Remark: The noise level was observed to be within CPCB limit at all of the locations except at main gate of site & centreside of site.

-----End-----

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



 Authorized Signatory
 (Shilpa Dharamkar)

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Soil Sample Analysis Report

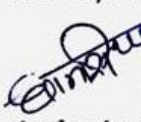

Report No. - EAEPL/S/08/22/00990		Report Date – 26.08.2022	
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference – RUPL/ARCH/RD-II/EAEPL-Q/PMR/436/2020
Site Address	"Raheja District II" Gen 2/1/C, D Block, TTC Industrial Area, MIDC, Navi Mumbai.		
Nature and Description of Sample	Soil	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/S/08/22/00990 (Centreside of Site)	Sample quantity and packing	500gm X 1 Zip lock bag
		Preservation	Transported & stored in dry area
Date of Sampling	18.08.2022	Date of Receipt	19.08.2022
Sampling Procedure	EAEPL/LAB/SOP/03		
Period of Analysis	19.08.2022 to 26.08.2022		
Report for the month	August, 2022		

Discipline: Chemical
Group: Soil & Rock

Parameters	Unit	Results	Methods
pH	-	7.78	IS 2720 (Part 26):1987, Reaffirmed:2021
Electrical Conductivity	µS/cm	404.18	IS 14767:2000, Reaffirmed:2021
Organic Matter	%	1.51	IS 2720 (Part 22) – 1972 (Reaffirmed 2020)
Sulphate	mg/kg	35.60	IS 2720 (Part 23):1972 (Reaffirmed 2020)
Soil Moisture	%	16.53	IS 2720 (Part 02):1973 (Reaffirmed 2020) Oven drying method
Water Holding Capacity	%	34.97	EAEPL/LAB/SOP/SOIL/10
Total Kjeldhal Nitrogen	mg/kg	838.10	IS 14684:1999 (Reaffirmed 2019)
Chlorides	mg/kg	97.51	EAEPL/LAB/SOP/SOIL/03
Available Phosphorus	mg/kg	1.69	EAEPL/LAB/SOP/SOIL/11
Calcium	mg/kg	2315.65	EPA 9080
Magnesium	mg/kg	125.60	EPA 9080
Sodium (Na)	mg/kg	3256.31	EPA 3050B
Potassium (K)	mg/kg	2946.33	EPA 3050B
Heavy Metals:			
Copper	mg/kg	104.73	EPA 3050B
Iron	mg/kg	73365.63	EPA 3050B
Lead	mg/kg	93.24	EPA 3050B
Zinc	mg/kg	156.71	EPA 3050B

-----End-----

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

Authorized Signatory
(Shilpa Dharamkar)

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Waste Water Sample Analysis Report

Report No. – EAEPL/WW/08/22/00992		Report Date – 26.08.2022	
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference- RUPL/ARCH/RD-II/EAEPL-Q/PMR/436/2020
Site Address	"Raheja District II" Gen 2/1/C, D Block, TTC Industrial Area, MIDC, Navi Mumbai.		
Nature and Description of Sample	Waste Water	Sample Collected by	EAEPL Laboratory
Sampling Locations and Sample Code	STP Inlet EAEPL/WW/08/22/00992	Sample Quantity and Packing	1 L* 1 No. PVC Can.
		Preservation	Cool -Transported and stored at 5°C (± 1°C)
Date of Sampling	18.08.2022	Date of Receipt	19.08.2022
Sampling Procedure	EAEPL/LAB/SOP/02		
Period of Analysis	19.08.2022 to 26.08.2022		
Report for the month	August, 2022		

Discipline: Chemical

Group: Pollution & Environment

Parameters	Unit	Results	Method
pH	-	6.84	IS 3025 (Part 11) 2022
Total Suspended Solids	mg / l	26.00	IS 3025 (Part 17) 2022
Total Dissolved Solids	mg / l	298.00	IS 3025 (Part 16) (1984) Reaffirmed 2017
Biological Oxygen Demand (27°C for 3 Days)	mg / l	57.69	IS 3025 (Part 44) (1993) Reaffirmed 2019
Chemical Oxygen Demand	mg / l	176.70	IS 3025 (Part 58) (2006) Reaffirmed 2017
Oil & Grease	mg / l	16.00	IS 3025 (Part 23) 2021

-----End-----

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



Authorized Signatory
(Shilpa Dhananekar)

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Waste Water Sample Analysis Report

Report No. - EAEPL/W/08/22/00993		Report Date – 26.08.2022	
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference- RUPL/ARCH/RD-II/EAEPL-Q/PMR/436/2020
Site Address	"Raheja District II" Gen 2/1/C, D Block, TTC Industrial Area, MIDC, Navi Mumbai.		
Nature and Description of Sample	Waste Water	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	STP Outlet EAEPL/W/08/22/00993	Sample quantity and packing	1 L* 1 No. PVC Can.
		Preservation	Cool -Transported and stored at 5°C (± 1°C)
Date of Sampling	18.08.2022	Date of Receipt	19.08.2022
Sampling Procedure	EAEPL/LAB/SOP/02		
Period of Analysis	19.08.2022 to 26.08.2022		
Report for the month	August, 2022		

Discipline: Chemical

Group: Pollution & Environment

Parameters	Unit	Results	MPCB Limits	Method
pH	-	7.73	6.5 to 9.0	IS 3025 (Part 11) 2022
Total Suspended Solids	mg / l	14.00	Not more than 20	IS 3025 (Part 17) 2022
Total Dissolved Solids	mg / l	256.00	NS	IS 3025 (Part 16) (1984) Reaffirmed 2017
Biological Oxygen Demand (27°C for 3 Days)	mg / l	17.14	Not more than 10	IS 3025 (Part 44) (1993) Reaffirmed 2019
Chemical Oxygen Demand	mg / l	52.21	Not more than 50	IS 3025 (Part 58) (2006) Reaffirmed 2017
Oil & Grease	mg / l	12.00	NS	IS 3025 (Part 23) 2021

End

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



 Authorized Signatory
 (Shilpa Dhamanikar)

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Government of Maharashtra

SEAC 2212/CR 274/TC II
Environment department
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai- 400 032.
Dated: 26th December, 2014

To,
M/s Raheja Universal (Pvt.) Ltd.
Raheja Center Point, 294, CST Road,
Kalina, Santa Cruz (E), Mumbai

**Subject: Environment clearance for proposed industrial Galas / Units "Raheja District II"
At Gen 2/1/C, D Block, TTC Industrial Area, MIDC, Navi Mumbai by M/s Raheja
Universal (Pvt.) Ltd**

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-II, Maharashtra in its 29th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 77th meeting.

2. It is noted that the proposal is for grant of Environment Clearance for proposed industrial Galas / Units "Raheja District II" At Gen 2/1/C, D Block, TTC Industrial Area, MIDC, Navi Mumbai. SEAC-II considered the project under screening category 8(b) B1 as per EIA Notification 2006.

Brief Information of the project submitted by Project Proponent is as-

Name of the Project	Proposed Industrial Galas / Units "Raheja District II"
Project Proponent	M/s Raheja Universal (Pvt.) Ltd.
Consultant	Enviro Analysts & Engineers Pvt. Ltd.
Type of Project:	Industrial Galas/Units
Location of the project	Plot No. Gen 2/1C (part), D Block , TTC Industrial area, MIDC, Navi Mumbai
Whether in Corporation/municipal/other area	MIDC Navi Mumbai
Applicability of the DCR	MIDC 2009
Note on the initiated work (if applicable)	Not Applicable

LOI/NOC from MHADA/ other approvals (If Applicable)	LOI from MIDC Navi Mumbai ना.क.प.आ.वि.म.प्र.का.प.मार्ग/रिजि.सी.निकम.अ.म.म. / 1528
Total plot area (sq.m.)	Plot area – 109584.47 Sq.m
Deductions	RG area deduction - 10958.4 Sq.m
Net Plot Area	Net Plot Area for FSI - 98626.02 Sq.m
Permissible FSI (including TDR etc.)	1.50
Proposed Built Up Area(FSI & Non FSI)	FSI Area – 1,47,939.00 Sq.m Non FSI Area – 1,07,461.00 Sq.m Total Built Up Area – 2,55,400.0 Sq.m
Ground Coverage Area (percentage of plot not open to sky)	Total Ground Coverage area = 40,812 Sq.m Percentage of Ground coverage on plot area = 37.24%
Estimated Cost of the project	Rs. 395.00 Cr.
Number of Buildings & configuration(s)	Bldg 1,2,3 – G + 4 floors Bldg – 4,5 – G + 5 Floors Multi Level Car parking – G+4 Town Centre
Number of tenants and shops	Industrial Units – 1200 No's
Number of expected residents/users	11366 No's
Tenant density per hector	109.5
Height of Building(s)	31.20 Mt.
Right of way	18.5 Mt. Wide Road from North side of the plot and 25.5 mt. from east side of the plot
Turning radius	Minimum 9.0 mt.
Existing Structure(s)	No Existing Structures
Details of the demolition with disposal (If applicable)	No Demolition work is proposed. Plot is vacant.
Total Water Requirement and Source	Source: MIDC and Recycled water Non Monsoon Season Domestic water – 227 KLD Flushing water- 284 KLD Landscaping – 55 KLD Total water requirement – 566 KLD Monsoon Season Domestic water – 227 KLD Flushing water- 284 KLD Total water requirement – 511 KLD
Rain Water Harvesting (RWH)	Level of the ground water table: Between 2m and 4 m below ground surface. Size, no. of recharge pits and quantity: 79 Recharge Pits Dia- 3 mt and Depth -2.5 mt. Budgetary allocation (capital cost and O&M cost) Capital Cost- 28 Lakhs O & M Cost – 3.5 Lakhs

UG tanks	Location(s) of the UGT tank(s)- Ground level.																
Strom water drainage	Natural water drainage pattern: Towards west (Thane Creek) Quantity of storm water: as follows Total discharge from the site= 3.196 cum/sec Size of storm water drainage trenches are mentioned below Depth of drain -1.0 Mt Width of Drain – 1.5 Mt. Slope 1:250																
Sewage & Waste Water	Sewage Generation – 409 KLD Location of the STP : Ground level DG Sets (during emergency): DG set backup will be provided for STP during emergency. Budgetary allocation (capacity cost and O&M cost): Capital Cost : 82.5 Lakhs O & M Cost : 22 Lakhs																
Solid Waste Management	<p>Waste generation in the Pre Construction and Construction phase</p> <p>Preconstruction Phase:33950 cum excavated Soil 10% Excavated soil (3395 cum) reused in back filling and rest (23765 cum) of the soil will be used for leveling. Quantity of the top soil to be preserved: - 6790 Cum Disposal of the construction waste debris</p> <table border="1"> <thead> <tr> <th>Sr. No</th> <th>Material</th> <th>Qty</th> <th>Management</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Concrete (cum)</td> <td>3048</td> <td>Reused at site for bedding purpose</td> </tr> <tr> <td>2</td> <td>Cement (cum)</td> <td>370</td> <td>Reused at site for bedding purpose and plastering</td> </tr> <tr> <td>3</td> <td>Reinforcement (MT)</td> <td>554</td> <td>Sold to recyclers</td> </tr> </tbody> </table> <p>Waste generation in the operation phase: Dry waste (Kg/day): 1990 Wet waste (Kg/day): 853 STP sludge (Dry sludge) (Kg/Day): 125 Kg/3 months Garden Waste: 41 Kg/day Mode of Disposal of Waste: Dry waste: Will be handed over to vendors / recyclers Wet Waste: Will be processed in the Organic Waste Converter. Required amount of manure from OWC will be used for gardening/landscaping and rest will be sold to vendors. STP Sludge (Dry Sludge): Use as a manure Area Requirement: Location(s) and total area provided for the storage and treatment of the solid waste: Area for Machine -12.0 Sq.m Area for curing – 150.0 Sq.m Budgetary allocation (capital cost and O&M cost) Capital Cost – 8.0 Lakhs O & M Cost – 2.5 Lakhs</p>	Sr. No	Material	Qty	Management	1	Concrete (cum)	3048	Reused at site for bedding purpose	2	Cement (cum)	370	Reused at site for bedding purpose and plastering	3	Reinforcement (MT)	554	Sold to recyclers
Sr. No	Material	Qty	Management														
1	Concrete (cum)	3048	Reused at site for bedding purpose														
2	Cement (cum)	370	Reused at site for bedding purpose and plastering														
3	Reinforcement (MT)	554	Sold to recyclers														
Green Belt Development	Total R.G. Area: 10978.00 Sq.m. R.G. required on ground = 10958.45 Sq.m (10.0 % of plot Area)																

	<p>R.G. provided on ground = 10978.0 Sq.m Number, size, age and species of trees to be cut, trees to be transplanted: No. of Trees to be transplanted : No. of trees to be retained : Decision shall be taken by competent Authority Number and list of Shrubs species to be planted in the ground:</p> <table border="1" data-bbox="667 474 1439 1473"> <thead> <tr> <th>Scientific name</th> <th>Common Name</th> <th>No</th> </tr> </thead> <tbody> <tr> <td><i>Cassia fistula</i></td> <td>Golden shower tree</td> <td>68</td> </tr> <tr> <td><i>Neolamarckia cadamba</i></td> <td>Kadamb</td> <td>59</td> </tr> <tr> <td><i>Barringtonia asiatica</i></td> <td>Fish poison tree</td> <td>56</td> </tr> <tr> <td><i>Cordia sebestena</i></td> <td>Pagoda tree</td> <td>89</td> </tr> <tr> <td><i>couroupita guianensis</i></td> <td>Cannon ball tree</td> <td>23</td> </tr> <tr> <td><i>Dillenia indica</i></td> <td>Elephant apple tree</td> <td>120</td> </tr> <tr> <td><i>Dillenia indica</i></td> <td>Giant Crape-myrtle</td> <td>66</td> </tr> <tr> <td><i>Mesua ferrea</i></td> <td>Ceylon ironwood</td> <td>150</td> </tr> <tr> <td><i>Putranjiva roxburghii</i></td> <td>Putrajivi</td> <td>98</td> </tr> <tr> <td><i>Terminalia catappa</i></td> <td>Indian Almond</td> <td>35</td> </tr> <tr> <td><i>Alstonia scholaris</i></td> <td>Indian devil tree</td> <td>78</td> </tr> <tr> <td><i>Bignonia megapotamica</i></td> <td>Fountain Tree</td> <td>49</td> </tr> <tr> <td><i>Michelia champaca</i></td> <td>Sonchapha</td> <td>67</td> </tr> <tr> <td><i>Mimusops elengi</i></td> <td>Spanish cherry</td> <td>39</td> </tr> <tr> <td><i>Polyalthia longifolia</i></td> <td>Mast tree</td> <td>36</td> </tr> <tr> <td><i>Phoenix sylvestris</i></td> <td>Date palm</td> <td>67</td> </tr> <tr> <td colspan="2">Total trees proposed</td> <td>1100</td> </tr> </tbody> </table> <p>NOC for the tree cutting/transplantation/ compensatory plantation, if any: To be applied</p> <p>Budgetary allocation (Capital cost and O&M cost) Capital Cost – 45 Lakhs O & M Cost –10.0 Lakhs</p>	Scientific name	Common Name	No	<i>Cassia fistula</i>	Golden shower tree	68	<i>Neolamarckia cadamba</i>	Kadamb	59	<i>Barringtonia asiatica</i>	Fish poison tree	56	<i>Cordia sebestena</i>	Pagoda tree	89	<i>couroupita guianensis</i>	Cannon ball tree	23	<i>Dillenia indica</i>	Elephant apple tree	120	<i>Dillenia indica</i>	Giant Crape-myrtle	66	<i>Mesua ferrea</i>	Ceylon ironwood	150	<i>Putranjiva roxburghii</i>	Putrajivi	98	<i>Terminalia catappa</i>	Indian Almond	35	<i>Alstonia scholaris</i>	Indian devil tree	78	<i>Bignonia megapotamica</i>	Fountain Tree	49	<i>Michelia champaca</i>	Sonchapha	67	<i>Mimusops elengi</i>	Spanish cherry	39	<i>Polyalthia longifolia</i>	Mast tree	36	<i>Phoenix sylvestris</i>	Date palm	67	Total trees proposed		1100
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Energy	<p>Power Supply: Connected Load : 39909 kW Demand Load : 30332.4 kW</p> <p>Energy saving by non-conventional method and Details calculations & % of saving:</p> <table border="1" data-bbox="673 1921 1439 2027"> <tr> <td>Power Saving through Internal Road Lights on Solar (32 No's) -2.88 kW</td> </tr> <tr> <td>Power Saving through common area lights on T5 FTL (230</td> </tr> </table>	Power Saving through Internal Road Lights on Solar (32 No's) -2.88 kW	Power Saving through common area lights on T5 FTL (230																																																				
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	<p>No's) – 2.3 kW Power Saving through Lift Lobby lights on PV panels (50 No's) – 11.6 kW Power Saving through Passage lights on PV panels (170 No's) – 41.25 kW Saving through Cu. Wound Transformers - 518.25 kW Saving through APFC panel - 4757.52 kW SUMMARY OF POWER SAVING</p> <table border="1"> <tr> <td>Total Power Saving</td> <td>5333.8 KW</td> </tr> <tr> <td>Total Demand Load</td> <td>30131 KW</td> </tr> <tr> <td>% POWER Saving per year</td> <td>17.7</td> </tr> </table> <p>SUMMARY FOR ENERGY SAVING</p> <table border="1"> <tr> <td>Total ENERGY Saving</td> <td>46067422.1 KWH</td> </tr> <tr> <td>Total Demand Load /YR</td> <td>263946962 KWH</td> </tr> <tr> <td>% ENERGY Saving per year</td> <td>17.5</td> </tr> </table> <p>Compliance of the ECBC guidelines: (Yes/No) (If yes then submit compliance in tabular form)- -</p> <p>Budgetary allocation (capital cost and O&M cost) Capital Cost – 120 Lakhs O&M Cost- 16 Lakhs DG Set: Number and capacity of the DG sets to be used: DG for Emergency Services : 3 no's of 1010 kVA , 3 no's of 500 kVA and 1 No of 380 kVA Type of fuel used: HSD</p>	Total Power Saving	5333.8 KW	Total Demand Load	30131 KW	% POWER Saving per year	17.7	Total ENERGY Saving	46067422.1 KWH	Total Demand Load /YR	263946962 KWH	% ENERGY Saving per year	17.5																								
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5.	Energy	120	16																																		

	System		
5.	Landscaping	45	10.0
Total Cost		283.5	54.0
	<p>Quantum and generation of Corpus fund and commitment: After occupancy, Co-op societies will form. The societies will form federation. The operation & maintenance of environmental management facilities (EMF) shall be taken care by the developers for first three years Afterwards, EMF shall be handed over to society/federation Responsibility for further O & M Funds for recurring cost on EMP shall be generated from the owner of galas by specifically mentioning in the sale agreement.</p>		
Traffic Management	<p>Nos. of the junction to the main road & design of confluence: 2 Entry Exit from 18.5 Mt. Wide Road from North side of the plot and 25.5 mt. from east side of the plot Parking Details: Number and area of Basement: Not proposed Ground Level -869 No's MLCP : 500 No's (33.0 Sq.m per car) Public Transport: Not Applicable III. Width of all Internal roads (m): Min 9.0 mt. wide road</p>		

3. The proposal has been considered by SEIAA in its 77th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :

General Conditions for Pre- construction phase:-

- (i) This environmental clearance is issued subject to (a) Provide ramps in staircases (b) restrict car parking no 1369 as per approved (c) Increase the width of passage between toilet & staircases from 1.5 to 2.5m. (d) Relocate DG set on ground.
- (ii) This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.
- (iii) This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily

implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.

- (iv) PP has to abide by the conditions stipulated by SEAC & SEIAA.
- (v) The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
- (vi) "Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
- (vii) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

General Conditions for Construction Phase-

- (i) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.
- (ii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- (iii) The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- (iv) Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- (v) Arrangement shall be made that waste water and storm water do not get mixed.
- (vi) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- (vii) Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
- (viii) Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- (ix) Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
- (x) Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.

- (xi) Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
- (xii) The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
- (xiii) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
- (xiv) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- (xv) Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.
- (xvi) Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).
- (xvii) Ready mixed concrete must be used in building construction.
- (xviii) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
- (xix) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xx) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xxi) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
- (xxii) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
- (xxiii) Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
- (xxiv) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
- (xxv) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- (xxvi) Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.

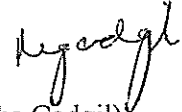
- (xxvii) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- (xxviii) Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non conventional energy source as source of energy.
- (xxix) Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
- (xxx) Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
- (xxxi) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
- (xxxii) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- (xxxiii) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- (xxxiv) Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
- (xxxv) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.
- (xxxvi) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.

General Conditions for Post- construction/operation phase-

- (i) Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.
- (ii) Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.
- (iii) Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
- (iv) A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.

- (v) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
 - (vi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
 - (vii) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
 - (viii) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://ec.maharashtra.gov.in>.
 - (ix) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
 - (x) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
 - (xi) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO₂, NO_x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
 - (xii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
 - (xiii) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
 5. In case of submission of false document and non compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
7. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years.
8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
10. Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
11. This Environment Clearance is issued for proposed industrial Galas / Units "Raheja District II" At Gen 2/1/C, D Block, TTC Industrial Area, MIDC, Navi Mumbai by M/s Raheja Universal (Pvt.) Ltd



(Medha Gadgil)
Additional Chief Secretary,
Environment department &
MS, SEIAA

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.
2. Shri. Ravi Bhushan Budhiraja, Chairman, SEAC-II, 5-South, Dilwara Apartment, Cooperage, M.K.Road, Mumbai 400021
3. Additional Secretary, MOEF, 'MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
6. Regional Office, MPCB, Navi Mumbai.
7. Collector, Thane

8. MIDC.Navi Mumbai

9. Commissioner, Municipal Corporation, Navi Mumbai

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

11. Select file (TC-3)

(EC uploaded on 29/12/2014)



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Application for Consent/ Authorisation

Sir,
I/We hereby apply for*

- Consent to Establish/Operate/Renewal of consent under section 25 and 26 of the Water (Prevention & Control of Pollution) Act, 1974 as amended.
- Consent to Establish/Operate/Renewal of consent under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended.
- Authorization/renewal of authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 in connection with my/our/existing/proposed/altere/ additional manufacturing/processing activity from the premises as per the details given below.

Consent Information

UAN No:

MPCB-CONSENT-0000145274

Application submitted on:

02-08-2022

Industry Information

Consent To:

Renewal (Normal)

IIN No.:

Submit to:

SRO - Navi Mumbai I

Type of institution:

Industry

Industry Type:

O21 Building and construction project more than 20,000 sq. m built up area

Category:

Orange

Scale:

L.S.I

Location of industry/activity/etc:

MIDC

Name of MIDC:

TTC Industrial area

EC Reqd.

Yes

EC Obtained

EC Obtained

EC Ref. No.

SEAC-2212/CR-274/TC-II dtd. 26.12.2014

Date of issue of EC

Dec 26, 2014

Parivesh Proposal Number

SEAC 2212/CR 274/TC II

MoEFCC/SEIAA File Number

SEAC 2212/CR 274/TC II

Whether construction-buildup area is more than 20,000 sq.mtr.(Existing Expansion Unit)

Yes

General Information

- Name, designation, office address with Telephone/Fax numbers, e-mail of the Applicant Occupier/Industry/Institution / Local Body.

Name

Kamal Khemani

Address

Raheja Universal (Pvt.) Ltd. Raheja Centre Point, 294, C.S.T Road, Santacruz East, Mumbai

Designation

Asso. Vice President - Architecture & Liaison

Taluka

Mumbai

Area Mumbai	District Mumbai Suburban
Telephone 9820867833	Fax +91 66414242
Email kamal.khemani@rahejauniversal.com	Pan Number AABCG7955Q

2. (a) Name and location of the industrial unit/premises for which the application is made (Give revenue Survey Number/Plot number name of Taluka and District, also telephone and fax number)

Industry name

M/s Raheja Universal (Pvt.) Ltd.

Location of Unit

Raheja Tesla - Building No.1, Plot No. Gen 2/1/ C (part), D Block, TTC Industrial area, MIDC, Navi Mumbai

Survey number/Plot Number

Gen 2/1 C (part), D

Taluka

Panvel

District

Raigad

(b) Details of the planning permission obtained from the local body/Town and Country Planning authority/Metropolitan Development authority/ designated Authority.

Planning permission

Maharashtra Industrial Development Corporation (MIDC)

Planning Authority

Maharashtra Industrial Development Corporation (MIDC)

Name of the local body under whose jurisdiction the unit is located and Name of the licence issuing authority

Name of Local Body

NMMC

Name of the licence issuing authority

NMMC

3. Names, addresses with Telephone and Fax Number of Managing Director / Managing Partner and officer responsible for matters connected with pollution control and/or Hazardous waste disposal.

Name of Managing Director

Mr. Suresh Lachmandas Raheja

Telephone number

9820867833

Fax number

66414242

Officer responsible for day to day business

Mr. Kamal Khemani

4. (a.) Are you registered Industrial unit ?

Yes

Registration number

U45200MH1980PTC023430

Date of registration

Aug 9, 2012

5. Gross capital investment of the unit without depreciation till the date of application (Cost of building, land, plant and machinery). (To be supported by an affidavit/undertaking on Rs.20/- stamp paper, annual report or certificate from a Chartered Accountant for proposed unit(s), give estimated figure)

Gross capital (in Lakh)	* Verified	* Terms	* Consent Fee
13279.00	CA Certificate	1	265580.00

6. If the site is located near sea-shore/river bank/other water bodies/Highway, Indicate the crow fly distance and the name of the water body, if any.

Distance From	Distance(Km)	* Name
SH/NH	0.00	--NA--
River	0.00	--NA--
Human Habitation	0.00	--NA--
Religious Place	0.00	--NA--
Historical Place	0.00	--NA--
Creek/Sea	0.00	--NA--

6b. Enter Latitude and Longitude details of site

Latitude	Longitude
0	0

7. Does the location satisfy the Requirements Under relevant Central/State Govt. Notification such as Coastal Regulation Zone. Notification on Ecologically Fragile Area, Industrial Location policy, etc. If so, give details.

Location	Approved Industry Area	Sensitive Area	If Yes, Name Of Area	Industry Location with Reference to CRZ
NA	No	No	NA	

8. If the site is situated in notified industrial estate,

		Details
(a) Whether effluent collection, treatment and disposal system has been provided by the authority.	No	NA
(b) Will the applicant utilize the system, if provided.	No	NA
(c) If not provided, details of proposed arrangement.	NA	

9.

(a) Total plot area (in square meter)	(b) Built up area and (in square meter)	(c) Area available for the use of treated sewage/ trade effluent for gardening/irrigation. (in square meter)
109584.47	56,585 Sq .Mtrs out of Total construction BUA of 2,55,400 Sq. Mtrs	1550

10. Month and year of commissioning of the Unit.

2017-10-05

11. Number of workers and office staff

Workers	staff	Hrs. of shift	Weekly off
50	4	8	1

12.

(a) Do you have a residential colony Within the premises in respect of Which the present application is Made ? No This is a Building construction project for small and medium industrial galas/units.

(b) If yes, please state population staying	Number of person staying	Water consumption	Sewage generation	Whether is STP provided?
				No

(c) Indicate its location and distance with reference to plant site.

Number of person staying	Water consumption

13. List of products and by-products Manufactured in tonnes/month, Kl/month or numbers/month with their types i.e.Dyes, drugs etc. (Give figures corresponding to maximum installed production capacity)

Products Name and Quantity

Product Name	UOM	Product Name	Existing	Consented	Proposed Revision	Total	Remarks
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OTHERS	Sq.M	Building construction project	56585	56585	0	56585	area in Sq. m.
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Products Name and Quantity

Product Name	UOM	Quantity	Remarks
NA	--NA--	0	NA

14. List of raw materials and process chemicals with annual consumption corresponding to above stated production figures, in tonnes/month or kl/month or numbers/month.

Name of Raw Material	UOM	Quantity	Hazardous Waste	Hazardous Chemicals	Remarks
NA	--NA--	0	No	No	NA

15. Description of process of manufacture for each of the products showing input, output, quality and quantity of solid, liquid and gaseous wastes, if any from each unit process.

NA

Part B : Waste Water aspects

16. Water consumption for different uses (m3/day)

Purpose	Consumption	Effluent Generation	Treatment	Remarks	Disposal	Remarks
Domestic Pourpose	16	13	STP	250 KLD STP is provided	Recycle	Treated water will be used for flushing & gardening
Water gets Polluted & Pollutants are Biodegradable	0	0	--NA--	NA	--NA--	NA
Water gets Polluted, Pollutants are not Biodegradable & Toxic	0	0	--NA--	NA	--NA--	NA
Industrial Cooling, spraying in mine pits or boiler feed	0	0	--NA--	NA	--NA--	NA
Others	11 Gardening					

17. Source of water supply, Name of authority granting permission if applicable and quantity permitted.

Source of water supply	Name of MIDC	Name of authority granting permission	Quauntity permitted
MIDC	TTC Industrial Area	MIDC	16

18. Quantity of waste water (effluent) generated (m3/day)

Domastic	Boiler Blowdown	Industrial	Cooling water blowdown
13	0	0	0
Process	DM Plants/Softening	Washing	Tail race discharge from
0	0	0	0

* 19. Water budget calculations accounting for difference between water consumption and effluent generated.

0

20. Present treatment of sewage/canteen effluent (Give sizes/capacities of treatment units).

Capacity of STP (m³/day)

250

Treatment unit	Size (mxm)	Retention time (hr)
Details attached separately	0	0

21. Present treatment of trade effluent (Give sizes/capacities of treatment units) (A schematic diagram of the treatment scheme with inlet/outlet characteristics of each unit operation/process is to be provided. Include details of residue Management system (ETP sludges)

Capacity of ETP (m³/day)

0

Treatment unit	Size (mxm)	Retention time (hr)
NA	0	0

22.

(i) Are sewage and trade effluents mixed together? No

If yes, state at which stage-Whether before, intermittently or after treatment. NA

23. Capacity of treated effluent sump, Guard Pond if any.

Capacity of treated effluent sump (m³) NA

Effluent sump/Guard pond details No NA

If yes, state at which stage-Whether before, intermittently or after treatment. No NA

24. Mode of disposal of treated effluent With respective quantity, m³/day

(i) into stream/river (name of river)	0	(ii) into creek/estuary (name of Creek/estuary)	0
(iii) into sea	0	(iv) into drain/sewer (owner of sewer)	0
(v) On land for irrigation on owned land/ase land. Specify cropped area.	0	(vi) Connected to CETP	0
(vii) Quantity of treated effluent reused/ recycled, m³/day Provide a location map of disposal arrangement indicating the outler(s) for sampling. Treated effluent reused / recycled (m³/day)	11		

25. (a) Quality of untreated/treated effluents (Specify pH and concentration of SS, BOD,COD and specific pollutants relevant to the industry. TDS to be reported for disposal on land or into stream/river.

Untreated Effluent

pH	6.5-9.0
SS (mg/l)	400-450
BOD (mg/l)	350-400
COD (mg/l)	400-500

TDS (mg/l) 1000-2000

Specific pollutant if any

Name	Value
------	-------

1

Treated Effluent

pH 6.5-7.5

SS (mg/l) <20

BOD (mg/l) <10

COD (mg/l) <50

TDS (mg/l) <500

Specific pollutant if any

Name	Value
------	-------

1

(b) Enclose a copy of the latest report of analysis from the laboratory approved by State Board/ Committee/Central Board/Central Government in the Ministry of Environment expected characteristics of the untreated/treated effluent

NA

26. Fuel consumption

Fuel Type	UOM	Fuel Consumption TPD/LKD	Calorific value
HSD	Kg/Hr	472.5	0
Ash content	Sulphur content	Quantity	Other (specify)
0	0	1	0

27. (a) Details of stack (process & fuel stacks: D. G.)

(a) Stack number(s) 1, 2 , 3	(b) Stack attached to DG Sets (3 Nos.)	(c) Capacity 630 KVA (each)	(d) Fuel Type HSD
(e) Fuel quantity (Kg/hr.) 472.5	(f) Material of construction MS	(g) Shape (round/rectangular) Circular	(h) Height, m (above ground level) 10
(i) Diameter/Size, in meters 0.3	(j) Gas quantity, Nm³/hr. 146.61	(k) Gas temperature °C 112	(l) Exit gas velocity, m/sec. 7.05
(m) Control equipment preceding the stack NA	(n) Nature of pollutants likely to present in stack gases such as Cl₂, Nox, Sox TPM etc. SPM	(o) Emissions control system provided Accoustic hood	(p) In case of D.G. Set power generation capacity in KVA 630 KVA x 3 Nos.

27. (B) Whether any release of odoriferous compounds such as Mercaptans, Phorate etc. Are coming out from any storages or process house.

NA

28. Do you have adequate facility for collection of samples of emissions in the form of port holes, platform, ladder/etc. As per Central Board Publication "Emission regulations Part-III" (December, 1985)

Port hole	No	Details	Port holes are provided
Platform	No	Details	Platforms are provided
Ladder	No	Details	Ladders are provided

29. Quality of treated flue gas emissions and process emissions. Quantity of treated flue gas emissions and process emissions.

Sr. No	Stack attached to	Parameter	Concentration mg/Nm3	flow (Nm3/hr)
1	DG Sets (3 Nos.)	SPM	54.59	146.61

(Specify concentration of criteria pollutants and industry/process-specific pollutants stack-wise. Enclose a copy of the latest report of analysis from the laboratory approved by State Board/Central Board/Central Government in the Ministry of Environment & Forests. For proposed unit furnish expected characteristics of the emissions..

NA

Part - D: Hazardous Waste aspect

30. Information about Hazardous Waste Management as defined in Hazardous Waste (Management & Handling) Rules, 1989 as amended in Jan.,2000. Type/Category of Waste as per

Waste (Annually) Schedule I

Cat No	Type	Qty	UOM
5.1	5.1 Used or spent oil	30	Ltr/A
Max	Method of collection	Method of reception	Method of storage
	Manual	NA	Drum
Method of transport	Method of treatment	Method of disposal	
Recycler	Reprocessing	Reprocess	

Waste (Annually) Schedule II

31. Details about use of hazardous waste

Name of hazardous waste/Spent chemical	Quantity used/month	Party from whom purchased	Party to whom sold
NA	0	NA	NA

32.

a. Details about technical capability and equipments available with the applicant to handle the Hazardous Waste

NA

b. Characteristics of hazardous waste(s) Specify concentration of relevant pollutants. Enclose a copy of the latest report of analysis from the laboratory approved by State Board/Central Board/Central Govt. in the ministry of Environment & Forests. For proposed units furnish expected characteristics

NA

33.

Copy of format of manifest/record Keeping practiced by the applicant.

NA

34.

Details of self-monitoring (source and environment system)

NA

35.

Are you using any imported hazardous waste. If yes, give details.

NA

36.

Copy of actual user Registration/certificate obtained from State Pollution Control Board/Ministry of Environment & Forests, Government of India, for use of hazardous waste.

NA

37.

Present treatment of hazardous waste, if any (give type and capacity of treatment units)

NA

38. Quantity of hazardous waste disposal

(i) Within factory

0

(ii) Outside the factory (specify location and enclose copies of agreement.)

0

(iii) Through sale (enclosed documentary proof and copies of agreement.)

0

(iv) Outside state/Union Territory, if yes particulars of (1 & 3) above.

0

(v) Other (Specify)

0

Part - E: Additional information

39.

a. Do you have any proposals to upgrade the present system for treatment and disposal of effluent/emissions and/or hazardous waste.

NA

b. If yes, give the details with time- schedule for the implementation and approximate expenditure to be incurred on it.

NA

40.

Capital and recurring (O & M) expenditure on various aspect of environment protection such as effluent, emission, hazardous waste, solid waste, tree- plantation, monitoring, data acquisition etc. (give figures separately for items implemented/to be implemented).

Setting up Cost: 283.5 Lakhs, Recurring Cost: 54 Lakhs

41.

To which of the pollution control equipment, separate meters for recording consumption of electric energy are installed ?

Control Panel

42.

Which of the pollution control items are connected to D.G. Set (captive power source) to ensure their running in the event of normal power failure

Chimney / stack

43. Nature, quantity and method of disposal of non- hazardous solid waste generated separately from the process of manufacture and waste treatment. (Give details of area/capacity available in applicant's land)

Type	Quantity	UOM	Treatment	Disposal	Other Details
Biodegradable Waste	27.15	Kg/Day	OWC	will be used as manure for landscaping	Recycle
Non Biodegradable Waste	63.35	Kg/Day	Segregate	Handover to NMMC	Reuse
STP sludge	3	Kg/Day	Drying	Used as manure for gardening	Recycle

44. Hazardous Chemicals - Give details of Chemicals and quantities handled and Stored.

(i) Is the unit a Major Accident Hazard unit as per Mfg.Storage Import Hazardous Chemicals Rules ?

NA

(ii) Is the unit an isolated storage as defined under the MSIHC Rules ?

NA

(iii) Indicate status of compliance of Rules 5,7,10,11,12,13 and 18 of the MSIHC Rules.

NA

(iv) Has approval of site been obtained from the concerned authority?

NA

(v) Has the unit prepared an off-site Emergency Plan? Is it updated ?

NA

(vi) Has information on imports of Chemicals been provided to the concerned authority?

NA

(vii) Does the unit possess a policy under the PLI Act?

NA

45. Brief details of tree plantation/green belt development within applicant's premises (in hectares)

Open Space Availability	Plantation Done On	Number of Trees Planted
1550 Square meter	1550 Square meter(100 %)	25

46.

Information of schemes for waste Minimization, resource recovery and recycling - implemented and to be implemented, separately.

STP, RWH, OWC, solar lights are provided for waste Minimization, resource recovery and recycling.

47.

(a) The applicant shall indicate whether Industry comes under Public Hearing, if so, the relevant documents such as EIA, EMP, Risk Analysis etc. shall be submitted, if so, the relevant documents enclosed shall be indicated accordingly.

(b) Any other additional information that the applicants desires to give

NA

(c) Whether Environmental Statement submitted ? If submitted, give date of submission.

Yes

48.

I/We further declare that the information furnished above is correct to the best of my/our knowledge.

49.

I/We hereby submit that in case of any change from what is stated in this application in respect of raw materials, products, process of manufacture and treatment and/or disposal of effluent, emission, hazardous wastes etc. In quality and quantity; a fresh application for Consent/Authorization shall be made and until the grant of fresh Consent/Authorization no change shall be made.

50.

I/We undertake to furnish any other information within one month of its being called by the Board

Yours faithfully

Signature :

Name : Mr. Kamal Khemani

Designation : VP

Additional Information

Air Pollution

Sr No.	Air Pollution Source	Pollutants	APCS Provided	Remark
1	DG Sets (3 Nos.)	SPM, Noise	stack, Accoustic hood	APCS & Sampling facilities are provided.

Separate EM Provided No **Other Emission Sources** NA

Measures Proposed stack, Accoustic hood **Foul Smell Coming Out** No

Air Sampling Facility Details Port holes, Ladders, Platforms are provided.

D.G. Set Details

Description	Capacity(KVA)	Remarks
DG Sets (3 Nos.)	630	stack, Accoustic hood & Port holes, Ladders, Platforms are provided.

Hazardous Waste Generation

Hazardous Waste	Quantity	UOM	Treatment	Disposal	Other Details
5.1 Used or spent oil	30	Ltr/A	reprocessing	sale to authorized recycler	NA

CHWTSDF Details

Member of CHWTSDF	CHWTSDF Name	Remarks
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Cess Details

Cess Applicable	Cess Paid	If Yes, UpTo
No	No	Jan 1 1900 12:00:00:000AM

Legal Actions

Legal Action Taken	Legal Record Of Company	Legal Action Details	Remarks
No			

Bank Guarantee Applicable:

Yes

Applicable against Consent:

Yes

-
- MPCB-BG-0000018094 (13940100009558)

Applicable against Direction:

No

MAHARASHTRA POLLUTION CONTROL BOARD

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



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

Consent order No :- Format 1.0/BO/CAC-cell/EIC-NM-5452-14/E/CAC-4584

Date: 22/04/2015

To,
M/s. Raheja Universal Pvt.Ltd.
Raheja Center Point, 294, CST, Road,
Kalina, Santa Cruz (E), mumbai

Subject: Consent to Establish for construction of Small and Medium Industrial Galas/units (green category only) under Red category.

Ref :

1. Environmental Clearance granted vide no. SEAC 2212/CR274/TC II dated 26.12.2014.
2. Your application approved in 1st Consent Appraisal committee meeting held on 15.4.2015.

Your application CE1410000408

Dated: 24 Sep 2014

For: Consent to Establish for Small and Medium Industrial Galas/units project under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 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 is granted for a period up to commissioning of the project of 5 years whichever is earlier.
2. The proposed capital investment of the project is Rs. 395 Crs (As per undertaking submitted by project proponent)
3. The Consent to Establish is valid for construction of Small and Medium Industrial Galas/units (Green category only) project in RED category named as "Raheja District II" M/s. Raheja Universal Pvt. Ltd. Plot No. Gen 2/1C(part), D Block TTC Industrial area, MIDC, Navi Mumbai on total plot area of 109584.47 sq.m. and total construction built up area (FSI+Non-FSI) 255400 sq.m. including utilities and services as per construction commencement certificate issued by local body.
4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	0.00	NA	NA
2.	Domestic effluent	409.00	As per Schedule -I	60% Recycle and reuse remaining discharge to MIDC

[Handwritten signature]



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	DG set (3x 1010 KVA)	3	As Per Schedule -II
2	DG set (3x 500 KVA)	3	As Per Schedule -II
3	DG set (380 KVA)	1	As Per Schedule -II

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

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Bio-degradable	853	Kg/D	OWC	Use as manure
2	Non-Biodegradable	1990	Kg/D	Segregation	Sale to authorized recycler
3	STP sludge	120	Kg/D		Use as manure

7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste

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

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. PP shall submit the affidavit within 15 days in the prescribed format regarding the compliance of conditions of EC clearance and C to E.
11. The applicant shall comply with the conditions stipulated in Environmental clearance granted by GOM vide no-SEAC-2212/CR 274/TC II dated 26.12.2014.
12. The project authority shall enter in to MoU with all buyers of the property/flat etc. to ensure operation and maintenance of the assets handed over to the society formed by the residents/owners of the buildings.
13. Every Individual industrial unit proposed to be located in industrial estate shall obtain consent to Establish, if applicable, from Maharashtra Pollution Control Board before taking any effective steps for implementation of the project.

For and on behalf of the
Maharashtra Pollution Control Board



(Dr. P. Anbalagan, IAS)
(Member Secretary)

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	790100	015398	19 Sep 2014	HDFC Bank

Copy to:

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

Schedule-ITerms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have proposed to install MBBR based Sewage Treatment Plants (STPs) with the design capacity of 410 CMD.
- B] The Applicant shall operate the effluent treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for pH
01	BOD (3 days 27°C)	30
02	Suspended Solids	50
03	COD	100
04	Residual Chlorine	1ppm

- C) The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, firefighting, on land for gardening etc and remaining shall be discharged in to the MIDC sewerage system.
- 2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.
- 3) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 4) In case, the water consumption of the project is not covered under the water consumption of local body, in that situation, the project proponent shall submit the CESS Returns in the prescribed format given under the provision of Water (Prevention & Control of Pollution) Cess Act, 1977 and Rules made there under for various category of water consumption.

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

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	566.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00



Schedule-II**Terms & conditions for compliance of Air Pollution Control:**

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

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type Of Fuel	Quantity	UOM	S%	SO2 kg/day
1	DG set (3x 1010 KVA)	Acoustic enclosure	6.3 * each	LDO	1227.50	Ltr/Hr	1.8	1060.56
2	DG set (3x 500 KVA)		4.5 * each					
3	DG set (380 KVA)		3.9*					

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

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

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

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

[Handwritten Signature]



Schedule-III
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
Proposed						
1	Consent to Establish	Rs. 10 lakh	15 days from date of issue of consent	Towards compliance of consent conditions	Upto Commissioning or 5 years which ever is earlier	Five years from date of issue of consent

[Handwritten Signature]



Maharashtra Pollution Control Board

Schedule-IV**Conditions during construction phase**

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

General Conditions:

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and 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) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 3) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 4) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 5) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 6) The firm shall submit to this office, the 30th day of September every year , the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 7) The industry shall comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 8) **The industry shall comply with the E- waste (M & H) Rules, 2012.**
- 9) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 10) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity.**
- 11) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 12) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 13) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution



control system. A register showing consumption of chemicals used for treatment shall be maintained.

14) Conditions for D.G. Set

- a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) 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) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- 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

15) The industry should not cause any nuisance in surrounding area.

16) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.

17) The applicant shall maintain good housekeeping.

18) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end, with the Environment Statement.

19) The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.

20) The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.

21) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.

22) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.

23) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.

[Handwritten Signature]



MAHARASHTRA POLLUTION CONTROL BOARD

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



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

Consent order No: - Format1.0/BO/CAC-cell/UAN No. 0000032902/CO(Part-I)/CAC-

1809000107
Date 04/09/2018

To,
M/s.Raheja Universal (Pvt) Ltd.,
Plot No.Gen 2/1C (Part) D,
Block TTC Industrial Area,
MIDC, Navi Mumbai.

Subject: 1st Consent to Operate (part-I) for small and medium industrial galas/units (green category only) in RED Category.

- Ref : 1. Environment Clearance accorded by GoM vide No. SEAC-2212/CR.274/TC.II dated 26.12.2014.
2. Consent to Establish granted by Board vide no.B0/CAC-Cell/NM-5452-14/E/CAC-4584 dated 22.04.2015
3. Minutes of Consent Appraisal Committee (CAC) meeting held on 27.3.2018.

Your application No.0000032902 Dated 14.9.2017.

For: 1st Consent to Operate (Part-I)

under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization 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 1st Consent to Operate (Part-I) is valid for period upto **31.08.2019**.
2. The capital investment of the project (Part-II) is **Rs. 55.91 Cr** (As per undertaking submitted by project proponent and capital investment of the total project is Rs.395Cr).
3. The 1st Consent to Operate (Part-I) is valid for small and medium industrial galas/units (green category only) project named as **M/s.Raheja Universal (Pvt) Ltd.,Plot No.Gen 2/1C (Part) D,Block TTC Industrial Area, MIDC Panvel, Navi Mumbai for total plot area of 1,09,584.47 Sq. Mtrs and construction BUA of 56,585 Sq .Mtrs out of Total constrction BUA of 2,55,400 Sq. Mtrs as per Environmental clearance granted dated 26.12.2014** including utilities and services.

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	13	As per Schedule -I	The treated effluent shall be 60% recycled for secondary and remaining shall be utilized on land for gardening and connected to the 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	DG set (630 KVA)	1	As Per Schedule -II

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

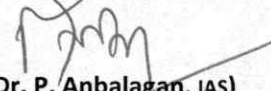
Sr. no.	Type Of Waste	Quantity	Treatment	Disposal
1	Biodegradable	27.15 Kg/day	OWC provided	Used as Manure
2	Non-Biodegradable	63.35 Kg/day	---	Segregate and Hand over to Local Body for recycling
3	STP Sludge	3 Kg/Day	--	Used as Manure

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					

- The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
- Every individual units / Galas proposed to be located in the industrial estate shall obtain Consent to Establish and Operate separately from MPC Board before taking any effective steps for implementation of the project.
- PP shall submit undertaking in Boards prescribed format within 15 days regarding compliance of conditions stipulated in Environmental Clearance (EC) and Consent to Establish.
- No Industrial effluent generated unit is permitted in the Industrial Galas i.e. only Green category units are allowed.
- PP shall submit the affidavit within 15 days in the prescribed format regarding the part of the built up area/ building for which application for 1st Consent to Operate (Part) is made and that the same is included in the Environmental Clearance accorded.
- PP shall enter into MoU with all buyers of the property / flat etc. to ensure operation and maintenance of the assets handed over to the society formed by the residents / owners of the buildings
- Industry shall comply the conditions stipulated in Environmental Clearance granted by Environment Department, GoM vide No. SEAC-2212/CR274/TC II dated 26.12.2014.

For and on behalf of the
Maharashtra Pollution Control Board


(Dr. P. Anbalagan, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	DR No.	Bank Name	Amount	date
1	7600250	The Jammu & Kashmir Bank Ltd	1,00,000/-	6.9.2017
2	7614157	The Jammu & Kashmir Bank Ltd	1,23,640/-	18.8.2018

Copy to:

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

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A) As per your application, you have provided 1 Nos of Sewage Treatment Plants (STP) of capacity 250CMD.
- 2) B) The Applicant shall operate the effluent treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for pH
01	BOD (3 days 27°C)	30
02	Suspended Solids	50
03	COD	100
04	Residual Chlorine	1ppm

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- 30 mg/lit. The online monitoring system installed for the parameters Flow, BOD, TSS at the STP outlet and shall be connected to MPCB Server.**

- 3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.
- 4) 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.
- 5) **Water consumption details**

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	16
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00



Schedule-II

Terms & conditions for compliance of Air Pollution Control:

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

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM
01.	DG set (630 KVA X 3 Nos)	Acoustic Enclosure	10.0*	HSD	157.5 Ltr/hr

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

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

Particulate matter	Not to exceed	150 mg/Nm ³
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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

Project Proponent shall extend the Bank Guarantee as below:

Sr. No.	Consent (Renewal Of C to O)	Amt of BG Imposed	Submission Period**	Purpose of BG #	Compliance Period	Validity
1	1 st C to O(Part-I)	Extend/Top up existing BG to form total sum of Rs.25 Lakh	15 Days	Towards O and M Pollution Control system	Continuous	31.12.2019

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

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

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

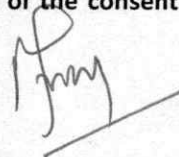
Maharashtra Pollution Control Board

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 make an application for renewal of the consent atleast 60 days before date of the expiry of the consent**

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नव २१११ , १५/८/२०१५

सूचना

पर्यावरण आणि वन मंत्रालय, भारत शासनाद्वारे प्रस्तावित इंडस्ट्रियल पार्क 'रहेजा डिस्ट्रिक्ट-II' प्लॉट असा क्र. जन-२/१/सी (भाग), 'डी' ब्लॉक, टीटीसी इंडस्ट्रियल एरिया, एमआयडीसी, नवी मुंबई यावरील यांना पर्यावरण निपटारा संमत करण्यात आला आहे. निपटारा पत्राची प्रत पर्यावरण आणि वन मंत्रालय, भारत शासन आणि महाराष्ट्र प्रदूषण नियंत्रण मंडळाकडे उपलब्ध आहे.

संकेतस्थळ : www.envfor.nic.in

The free Press Journal - 15/8/2015

NOTICE

The proposed Industrial Park 'Raheja District - II' on plot bearing no. Gen-2/1/C (Part), 'D' Block, TTC, Industrial Area, MIDC, Navi Mumbai has been accorded environmental clearance by the Ministry of Environmental and Forest, Govt. of India. Copy of the clearance letter is available with the Maharashtra Pollution Control Board and the Ministry of Environmental and Forest, Govt. of India.

Website: www.envfor.nic.in



OWC



STP



Tree Plantation



Tree Plantation



Tree Plantation



Water Facility



Labour Colony



TOILET FOR WORKERS