Consent

From: Consent

Sent: Thursday, November 24, 2022 6:37 PM

To: eccompliance; 'apccfcentral-ngp-mef@gov.in'

Cc: 'Thirunavukkarasu'

Subject: Submission of Post Monitoring Report for the period of April, 2022 – September, 2022 for

Construction of IT Park with Commercial & Residential Components at "Raheja District I" Plot No.

Gen 2/1/B, D Block, TTC Industrial area, MIDC Juinagar, Navi Mumbai

Attachments: PMR_RAHEJA RD I_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 IT Park with Commercial & Residential Components at "Raheja District I" Plot No. Gen 2/1/B, D Block, TTC Industrial area, MIDC Juinagar, Navi Mumbai Maharashtra.

Reference: Clearance File No.: SEAC-2014/CR-91/TC-1 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@eaepl.com
Contact No.: +91 9022334577

"File this email in an email folder and save a tree."

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To,

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

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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.

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Authorized Signatory

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- 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-2014/CR-91/TC-1 dtd. 26.12.2014.

Dear Sir,

This is with reference to the above subject, our Construction of IT Park with Commercial & Residential Components at "Raheja District I" Plot No. Gen 2/1/B, D Block, TTC Industrial area, MIDC Juinagar, Navi Mumbai Maharashtra.

The present project status at site is as follows:

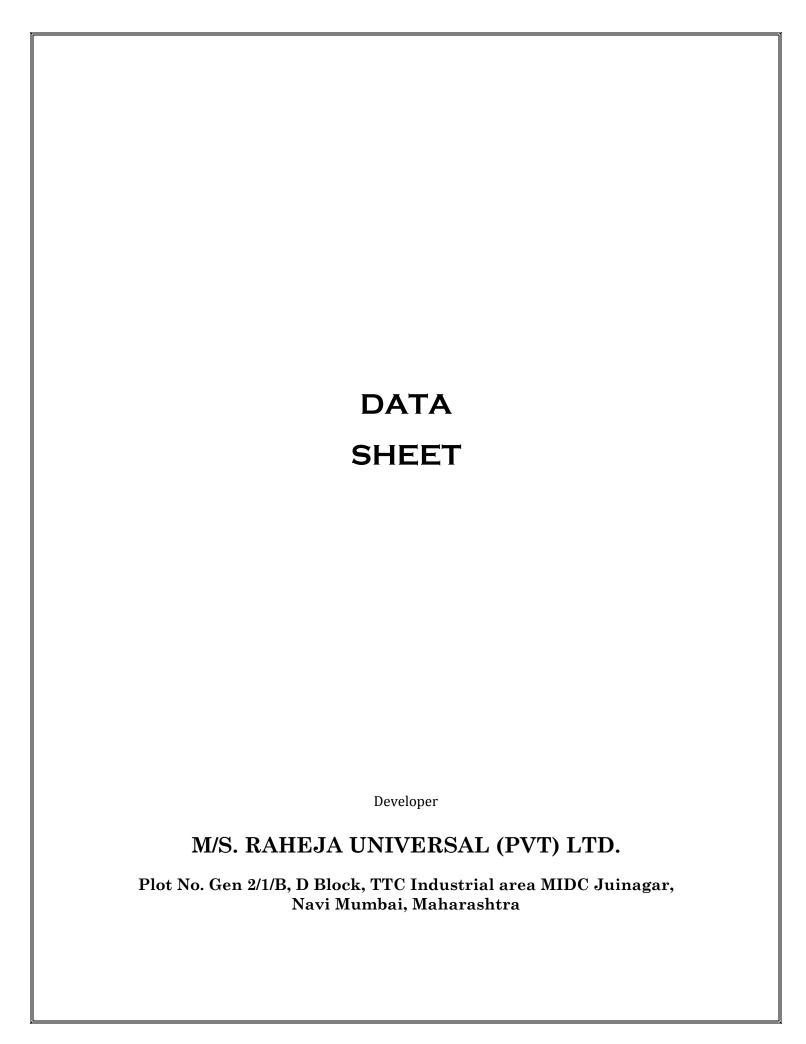
Wings	Floors	Status
IT Incubation Shed I	Ground	Completed
IT Incubation Shed II	Ground	Completed
Canteen	Ground	Completed
Solaris 1A	GR. + 3P + 24	Work Commence
Solaris 1B	GR. + 3P + 24	Work Commence

Thanking you,

Yours faithfully,

For RAHEJA UNIVERSAL (PVT.) LTD.,

Authorized Signatory



MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS

Ministry of Environmental and Forests Regional Office, Nagpur.

Monitoring Report

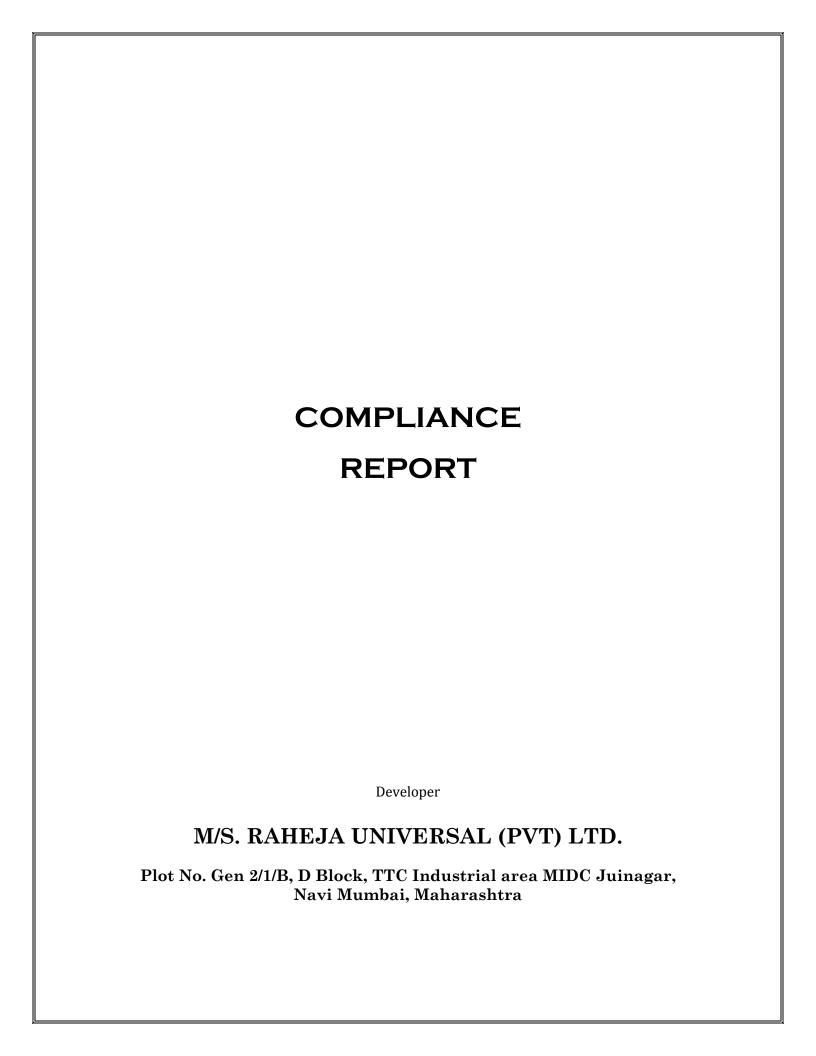
PART – I DATA SHEET

		·
1.	Project type: river - valley/ mining/ Industry / thermal / nuclear/ Other (specify)	Construction Project IT park with Commercial & Residential components.
2.	Name of the project	Raheja District I
3.	Clearance letter (s) / OM/ no and date:	Clearance File No. : SEAC-2014/CR-91/TC-1 dtd. 26.12.2014.
4.	Location	Plot No. Gen 2/1/B, 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, Santacruz (E), Mumbai. Tel: 022-66414288/289
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, Santacruz (E), Mumbai. Tel: 022-27631908
6.	Salient features	
a.	of the project	IT park with Commercial & Residential components.

		Total Plot Area	= 2,75,309.	85 sq.m.
		As per FSI: 4,95,522.00 sq.m.		
		Non FSI: 5,08,9	06.00 sq.m.	
		Total Built – Up Area: 10,45,059.00 sq.m.		
		Component	No. of Buildings	Configuration
		IT Blocks Sale	Block 1	G + 4 Podium + 11 Flrs.
			Block 2 to 6	G + 4 Podium + 16 Flrs.
		Retail (Shops)	ı	G + Mezzanine
		Residential Buildings	9	G + Podium + 27 Flrs.
		Town Centre	1	B + 2P + L + 7 Flrs.
		Club House	1	L + 1 Upper Floor + Roof Top Lounge
		MLC Parking	1	Stilt + 6 levels
		Number of tenants and shops	IT of	lential: 972 Flats fices: 364 Offices hops: 36 Nos.
b.	of the environmental management plans	1. <i>Sewage Trea</i>		
	or the environmental management plans	Two Sewage Ti 525 m³/day for	reatment Pla residential	ants with capacity of & 6061 m³/day for ded for treating the
		2. <u>Water Management:</u>		
		Rain Water Harvesting shall be provided to recharge the ground water table.		
		3. <i>Solid Waste Management:</i>		
		Biodegradable recyclers & drie as manure. E processed in the	will be hand ed sludge fr Biodegradab ee biogas fo oduction w	d at source and Non- led over to authorize om STP will be used ble waste will be r energy generation which to be used for
7.	Break Up Of the project Area			
a.	Submerge area : forest & :non-forest	Non Forest		

b.	Others	Total Plot Area: 2,75,309.85 sq.m.
		Total Construction Area: 10,45,059.00 sq.m.
8.	Break up of the project affected:	Not Applicable.
	population with enumeration of those losing houses / dwelling units, only agriculture land only, both dwelling units and agriculture land and landless labourers / artisan	
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 : 1,500 Crores
b.	Allocation made for environmental management plans with item wise and year wise break-up	Capital EMP Cost: 30.21 cr. O & M Cost for EMP: 5.675 cr.
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. 30,01,02,131.00
f.	Actual expenditure incurred on the environmental management plans so far	Rs. 4,04,78,095.00
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: 41,166.98 Sq. mt.
		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 2,480 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)	Actual - 1st March 2015
b.	Date of completion (Actual and/ of planned)	Planned- December 2020
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; 17.08.2022
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-2014/CR-91/TC-1 dtd. 26.12.2014. Mr. Kamal Khemani M/s. Raheja Universal (Pvt). Ltd., Raheja Centre Point, 294, CST Road, Kalina, Santacruz (E), Mumbai.



COMPLIANCE REPORT

TERMS & CONDITIONS

1.	This environmental clearance is issued subject to parking to be restricted as per actual requirement. In IT sector and SEZ proposals residential buildings are located adjacent to the industrial units and the employees are unable to walk across to work. The objective behind this is ostensibly because of the nonpolluting nature of the industry. It would therefore be desirable for MIDC to examine amendment of the existing parking norms which leads to heavy congestion and in case in the volume of traffic accumulating in pollution and environment problems. If parking is restricted per their actual requirement, more area could be available for residential/industrial units by reducing the parking area.	Yes, we noted the condition & agreeable to the same.
2.	There should be separate entry and exit for service & visitors.	The PP agrees to comply the condition.
3.	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.	 Land use is for the IT (Information technology) purpose as per the MIDC. Planning authority has approved the same as per the prevailing DCR. Notifications and GR orders regarding RG, wildlife act etc. will be followed from time to time.

4.	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.
5.	PP has to abide by the conditions stipulated by SEAC & SEIAA.	Condition is noted.
6.	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 heights of buildings are accordance with DCR and FSI. Approval is already obtained
7.	"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 is received from MPCB. Copy is attached.
8.	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.
9.	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.
10.	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.
11.	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.
12.	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.
13.	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. Strom water drain shall be in covered drain system and will be connected to municipal drain.
14.	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	Excavated Top soil is used for landscaping from time to time.
15.	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.
16.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture Dept.	 The green area proposed is 41,166.98 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

		2480 nos.
		Plantation Details: Species will be selected as per CPCB greenbelt guidelines and common species available in the proposed area.
17.	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.
18.	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	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.
	ground water.	 Also silt traps and other measures such as additional on-site will be constructed to control surface Run-off.
19.	Any hazardous waste generator during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra pollution Control Board.	Used oil would be generated from the site, will be disposed through Authorized vendor of MPCB.
20.	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.
21.	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.
22.	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.

23.	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.	Following care are taken regarding noise levels with conformation to the residential area. 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. Also use of Personal Protective Equipment (PPE) like ear muffs and ear plug during construction activities. The ambient air and noise report is enclosed herewith. The report indicates that the same are within the prescribed norms defined by the concern authority.
24.	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).	Yes, Ready mixed concrete added with fly ash is being used in the construction.
25.	Ready mixed concrete must be used in building construction.	Yes, Ready mixed concrete added with fly ash is being used in the construction.
26.	The approval of competent authority shall be obtained for structural safety of the building due to any possible earthquake, adequacy of firefighting equipments etc. as per National Building Code including measures from lighting.	The NBC and other norms for the safety of the building are being followed.
27.	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. The system shall be laid at appropriate time.
28.	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.

29.	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.
30.	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 / refused to the maximum extent possible. Treatment of 100% gray water by 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.	STP has been proposed. Construction and installation of STP shall be carried out through expert consultant. Treated water shall be used for the flushing and Gardening, Landscaping and Green belt area development. After the satisfactory completion of the work, the installation will be get certified from independent expert agency and report in this regard will be submitted to the Ministry of Environment, Forest and Climate Change before the project is commissioned for operation.
31.	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.
32.	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.
33.	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.
34.	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.
35.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement	 Roof insulation 50 mm expanded polystyrene or equivalent insulation. Heat reflective double glazed glass provided on external façade for the residential buildings.

36.	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.	A separate energy conservation report attached with this report.
37.	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.	D.G. sets will be provided as back up for Residential buildings.
38.	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.	Noise level monitoring is carried out regularly. The noise levels measures are within the prescribed limits for day and night time. Monitoring report of noise levels attached.
39.	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.	This effect would be prominent during construction as well as operation phase. The probability of inconvenience faced due to the frequency of truck movement during construction phase would be minimized by better control of traffic movement in the area. Noise levels expected from the planned operating conditions have been assessed and are likely to be within acceptable levels. The impacts have been mitigated by the suggested measures in the "air control and"

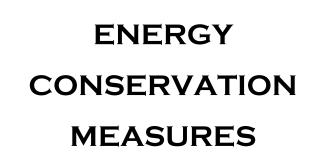
		management section".
		 Anti honking sign boards are placed in the parking areas and on entry and exit point. The project will be provided with sufficient road facilities within the project premises and there will be a large area provided for the parking of vehicles.
		Width of all internal roads (m): 9 m minimum.
		Parking Details:
		1. Residential: 2000.
		2. IT Building:
		4-Wheelers: 10755.
		2- Wheelers: 795.
		3. Retail: 212.
4.	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.
5.	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	The building has adequate distance to allow movement of fresh air and natural light, Ventilation.
6.	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.	
7.	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.	Environmental Clearance is already obtained. EC received date 26 th December, 2014 (SEAC-2014/CR-91/TC-1) for the total construction area 10,45,059 sq.m.
8.	Six monthly monitoring reports should be submitted to the department and MPCB.	Six monthly reports are submitted regularly to concerned department and MPCB.

9.	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.
10.	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.
11.	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.
12.	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.
13.	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.
14.	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.
15.	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 this department.	EMP cost has been worked out and allocated for all air pollution devices and other facilities. EMP Cost: Capital Cost: 30.21 cr. O & M Cost: 5.675 cr.

16.	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 newspaper "Navshakti" dtd. 18.08.2015 & in English newspaper 'The Free Press Journal" dtd. 15.08.2015 Respectively. Xerox copies of same are enclosed for your ready reference.
17.	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 1st June and 1st December of each calendar year.	We are regularly submitting six monthly reports to Nagpur, Mantralaya & MPCB.
18.	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.
19.	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 , NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Regular monitoring is been carried out and the results of the same are submitted to concern authority along with the report.
20.	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 CPCB and the SPCB.	Six monthly compliance reports are submitted to the Environment Department, Mantralaya & MPCB.

21.	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.	Yes, we noted the condition & agreeable to the same.
22.	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.	Condition is noted.
23.	In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	Yes, we noted the condition and agreeable to the same.
24.	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.	Yes, we noted the condition and agreeable to the same.
25.	Validity of Environmental Clearance: The environmental clearance accorded shall be valid for the period of 5 years.	The Ec received File no. SEAC-2014/CR-91/TC-1 dtd. 26th December, 2014. As per the circular dated 29th April 2015 the validity of this EC will be 7 years from 26th December, 2014.

26.	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.	Yes, we noted the condition and agreeable to the same.
27.	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.	Yes, we noted the condition and agreeable to the same.
28.	Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1stFloor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Yes, we noted the condition and agreeable to the same.
29.	This Environment Clearance is issued for proposed plot no. Gen- 2/1/B, D block, TTC industrial area, MIDC Juinagar, Navi Mumbai, Thane by M/s. Raheja Universal (Pvt.) Ltd	Yes, we noted the condition and agreeable to the same.



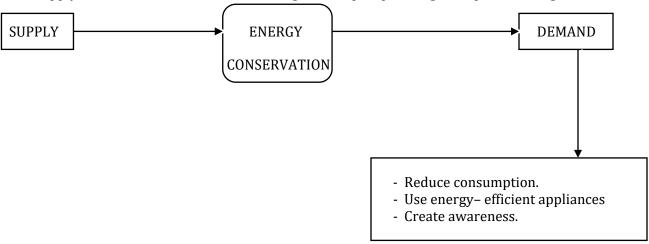
Developer

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

Energy conservation program will be implemented through measures taken both on energy demand and supply. It will be one of the focuses during the complex planning and operation stages.



The energy conservation efforts would consist of the following:

Architectural Design

1. Maximize the use of natural lighting through design.

Energy Saving Practices

- 1. Promoting use of solar energy.
- 2. Purchase of energy efficient appliances.
- 3. Constant monitoring of energy consumption and defining targets for energy conservation.
- 4. Adjusting the settings and illumination levels to ensure minimum energy used for desired comfort levels.
- 5. Use of compact fluorescent lamps and low voltage lighting.
- 6. Sunscreen films on windows to reduce heating inside the buildings.

Behavioral Change on Consumption

1. Promoting resident awareness on energy conservation.

2. Training staff on methods of energy conservation and to be vigilant to such opportunities.

• Energy Conservation Measures:

- ➤ Lift Lobby Lights Are Proposed On High Energy Efficient Lamps
- ➤ Also Other Lights Provided On Energy Saving Luminaries Like Cfl/Led Instead Of Metal halide lamps
- For parking the lightning power density shall be 0.2 W/sq. ft by using T5 light instead T8.
- ➤ All lifts ventilation fans shall run on VFD drives which result in energy saving by adjusting speed of motors &delivering only required amount of power.
- ➤ Roof insulation 50 mm expanded polystyrene or equivalent insulation.
- ➤ Heat reflective double glazed glass provided on external façade for the residential buildings.

HALF YEARLY POST ENVIRONMENTAL MONITORING REPORT

OF

RESIDENTIAL COMPLEX "RAHEJA DISTRICT - I"

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.,



ENVIRO ANALYSTS & ENGINEERS PVT. LTD.

(NABET, NABL Accredited and MoEFCC Approved)
CIN No-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP

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

Water Sample Analysis Report

Report No EAEPL/W/04/22	2/00381		Report Date - 26.04.2022	
Name of Customer				
Site Address	Raheja District I Plot. No. Gen – 2/1/B, D block, TT Industrial Area, MIDC Juinagar, N	Reference – RUPL/ARCH/RD- 1/EAEPL-Q/PMR/435/2020		
Nature and Description of Sample	NMC Water Sample Collected by		EAEPL Laboratory	
Sampling locations and	EAEPL/W/04/22/00381	Sample quantity and packing	2 L X 1 No. PVC Can. 500 mL X 1 No. Sterilised Glass Bottle.	
Sample Code	(Near Main Gate of Site)	Preservation	Cool -Transported and stored at 5 °C (± 1°C).	
Date of Sampling	18.04.2022	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

200 Ex. 200 Ex			IS 10500:2012 Limits		Method	
Parameters	Unit	Results	Acceptable Limits	Permissible Limits		
nt I	-	7.34	6.5-8.5	No Relaxation	IS 3025 (Part 11) 1983 Reaffirmed 2017	
pH Total Dissolved Solids	mg/I	282.00	500	2000	IS 3025 (Part 16) 1984 Reaffirmed 2017	
Turbidity	NTU	< 1.00	1	5	IS 3025 (Part 10) 1984 Reaffirmed 2017	
Alkalinity	mg/I	79.83	200	600	IS 3025 (Part 23) 1986 Reaffirmed 2019	
Chlorides as Cl	mg/1	73.51	250	1000	IS 3025 (Part 32) 1988 Reaffirmed 2019	
	mg/l	170.00	200	600	IS 3025 (Part 21) 2009 Reaffirmed 2019	
Total Hardness		34.47	75	200	IS 3025 (Part 40) 1991 Reaffirmed 2019	
Calcium	mg/I	< 0.10	0.20	1	IS 3025 (Part 26) 1986 Reaffirmed 2019	
Residual chlorine	mg/l	25.48	200	400	IS 3025 (Part 24) 1986 Reaffirmed 2019	
Sulphate	mg/l	0.41	45	No Relaxation	APHA 4500 NO ₃ -B (23 rd Edition)	
Nitrate	mg/l		43	1.5	APHA 4500 F-D (23rd Edition)	
Fluoride	mg/l	0.32	1	1.0		
Heavy Metals:				No Relaxation	IS 3025 (Part 53) 2003 Reaffirmed 2019	
Iron (Fe)	mg/I	0.117	0.3		IS 3025 (Part 42) 1992 Reaffirmed 2019	
Copper (Cu)	mg/l	0.040	0.05	1.5	IS 3025 (Part 42) 1992 Reaffirmed 2019	
Zinc (Zn)	mg/l	0.076	5	15		
Lead (Pb)	mg/l	0.001	0.01	No Relaxation	IS 3025 (Part 47) 1994 Reaffirmed 2019	
Chromium (Cr)	mg/l	0.025	0.05	No Relaxation	IS 3025 (Part 52) 2003 Reaffirmed 2019	

For M/s.

ROMALYSTS & ENGINEERS PVT. LTD.,

Authorited S (Netra Pa va)

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

ENVIRO ANALYSTS & ENGINEERS PVT. LTD.

(NABET, NABL Accredited and MoEFCC Approved)

CIN NO-U28900MH1995P1C093129 | GST NO-27AAACE6597R1ZP

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

Water Sample Analysis Report

	1		Report Date - 26.04.2022	
Report No EAEPL/W/04/22				
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference - RUPL/ARCH/RD-	
Site Address	Raheja District I Plot. No. Gen – 2/1/B, D block, TT Industrial Area, MIDC Juinagar, Na	1/EAEPL-Q/PMR/435/2020		
Nature and Description of	NMC Water	EAEPL Laboratory		
Sample Sampling locations and	EAEPL/W/04/22/00381 (Near Main Gate of Site)	Sample quantity and packing	2 L X 1 No. PVC Can. 500 mL X 1 No. Sterilised Glass Bottle.	
Sample Code		Preservation	Cool -Transported and stored at 5 °C (± 1°C).	
Date of Sampling 18.04.2022 Date of Receipt		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	Grave Mater		

Group: Water Discipline: Chemical

Discipiliter			IS 10500:2012 Limits	Method
Parameters	Unit	Results	Requirements	lylethod
Microbiological Analysi	s		Abrest	IS 15185:2016 (Reaffirmed 2021)
Coliforms	/100ml	Absent	Absent	IS 15185:2016 (Reaffirmed 2021)
F. coli	/100ml	Absent	Absent	15 15 15 15 15 15 15 15 15 15 15 15 15 1

ENGINEERS PVT. LTD., For M/s. E

Authorized Signato (Shweta Sonawa

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

ENVIRO ANALYSTS & ENGINEERS PVT. LTD. (NABET, NABL Accredited and MoEFCC Approved)
CIN NO-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP

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

Ambient Air Quality Monitoring Report

Report No EAEPL/A/04/22/		Report Date - 26.04.2022		
Name of Customer M/s. Raheja Universal Pvt. Ltd.				
Site Address	Raheja District I Plot. No. Gen – 2/1/B, D block, TTC Industrial Area, MIDC Juinagar, Navi Mumbai, Thane.		Reference – RUPL/ARCH/RD- 1/EAEPL-Q/PMR/435/2020	
Nature and Description of	Ambient Air Sample Collected by		EAEPL Laboratory	
Sample	EAEPL/A/04/22/00380	Sample quantity and packing	PM ₁₀ = 1 * 1 No. Filter paper. PM _{2.5} = 1 * 1 No. Filter paper. SOx = 30ml * 2 No. PVC bottle. NOx = 30ml * 2 No. PVC bottle.	
Sampling locations and Sample Code	(Near Main gate of Site)	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

8	Enviro	nmental Conditions		
Ambient Air Temperature	(°C) Rela	tive Humidity (%)		Duration of Monitoring
35°C		59%		8 Hours
	ARTIN	RESULTS		
Test Parameters	Results	NAAQS LIMITS		METHOD
R.S.P.M (PM ₁₀) (μg/m ³)	47.67	100 μg/m³	IS 5182 Part 23	
R.S.P.M (PM _{2.5}) (μg/m ³)	18.75	60 μg/m³	μg/m³ EAEPL/LAB/SOP/AIR/05	
SO ₂ (μg/m³)	19.63	80 μg/m ³		t-2 (2001) Reaffirmed 2017
NOx (μg/m³)	24.51	80 μg/m ³	IS 5182 Part-6 (2006) Reaffirmed 2017	

Remark: All the measured values are within NAAQS limits.

End-

KSTS & ENGINEERS PVT. LTD.,

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

Ambient Noise Level Monitoring Report

Report No EAEPL/PM/RUPL/	Report Date - 26.04.2022		
Name of Customer			
Site Address	M/s. Raheja Universal Pvt. Ltd. Raheja District I Plot. No. Gen – 2/1/B, D block, TTC Industrial Area, MIDC Juinagar, Navi Mumbai, Thane.		Reference – RUPL/ARCH/RD- 1/EAEPL-Q/PMR/435/2020
Nature and Description of Sample	Noise Sample Collected by		EAEPL Laboratory
Sampling locations and Sample Code	PM/N/19-04/04/22	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	L Dellusion	

Discipline: Chemical

Group: Atmospheric Pollution

	T	Res	ults	CPCB Norms	
Monitoring Locations	Units	Day Time	Night Time	Day	Night
	4D(A) Log	52.3	41.3	55	45
Main gate of site	dB(A) Leq.	51.5	42.5	55	45
Centre side of site Back side of site	dB(A) Leq.	52.7	42.3	55	45
Near Site Office	dB(A) Leq.	51.5	42.5	55	45

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

575 & ENGINEERS PVT. LTD.,

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



ENVIRO ANALYSTS & ENGINEERS PVT. LTD (NABET, NABL Accredited and MoEFCC Approved) (NABET, NABL Accredited and MoEFCC Approved)
CIN No-U28900MH1995PTC093129 | GST No-27AAACE6597R1ZP

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

Soil Sample Analysis Report

	/00292		Report Date - 26.04.2022
Report No EAEPL/S/04/22			
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference - RUPL/ARCH/RD
Site Address	Raheja District I Plot. No. Gen – 2/1/B, D block, TT Industrial Area, MIDC Juinagar, Na	1/EAEPL-Q/PMR/435/2020	
Nature and Description	Soil	Sample Collected by	EAEPL Laboratory
of Sample Sampling locations and Sample Code	EAEPL/S/04/22/00382	Sample quantity and packing	500 gm X 1 Zip lock bag
	(Near Centreside of Site)	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		

Group: Soil & Rock Discipline: Chemical

Discipline: Chemical		D lan	Methods	
Parameters	Unit	Results	IS 2720 (Part 26):1987, Reaffirmed:2016	
pH	-	7.65	IS 14767:2000, Reaffirmed:2021	
Electrical Conductivity	μS/cm	337.18		
Organic Matter	%	2.41	IS 2720 (Part 22) – 1972 (Reaffirmed 2020)	
Sulphate	mg/kg	29.84	IS 3025 (Part 24):1986, (Water Extract 1:10) Reaffirmed 2019	
Soil Moisture	%	17.50	IS 2720 (Part 02):1973 (Reaffirmed 2020) Oven drying method	
Water Holding Capacity	%	36.25	EAEPL/LAB/SOP/SOIL/10	
Total Kjeldhal Nitrogen	mg/kg	819.59	IS 14684:1999 (Reaffirmed 2019)	
Chlorides	mg/kg	2.41	APHA 4500 Cl ⁻ B and ISRIC Soil analysis procedure, Page No:13-6	
A ilable Phosphorus	mg/kg	1.85	EAEPL/LAB/SOP/SOIL/11	
Available Phosphorus	mg/kg	2094.32	EPA 9080	
Calcium	mg/kg	99.79	EPA 9080	
Magnesium Sodium (Na)	mg/kg	3340.55	SW-846 Method 3050B	
Potassium (K)	mg/kg	3091.96	SW-846 Method 3050B	
	g. 110			
Heavy Metals:	mg/kg	103.66	SW-846 Method 3050B	
Copper			SW-846 Method 3050B	
Iron	mg/kg	78175.30	SW-846 Method 3050B	
Lead	mg/kg	112.70		
Zinc	mg/kg	151.48	SW-846 Method 3050B	

TS & ENGINEERS PVT. LTD.,

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

Water Sample Analysis Report

Report No EAEPL/W/08/22	Report No EAEPL/W/08/22/00984				
Name of Customer	M/s. Raheja Universal Pvt. Ltd.				
Site Address	Raheja District I Plot. No. Gen – 2/1/B, D block, TTC Industrial Area, MIDC Juinagar, Na	Reference – RUPL/ARCH/RD- 1/EAEPL-Q/PMR/435/2020			
Nature and Description of Sample	Tanker Water	EAEPL Laboratory			
Sampling locations and	EAEPL/W/08/22/00984	Sample quantity and packing	2 L X 1 No. PVC Can.		
Sample Code	(Near Site Office)	Preservation	Cool -Transported and stored at 5 °C (± 1°C).		
Date of Sampling	17.08.2022	Date of Receipt	18.08.2022		
Sampling Procedure	EAEPL/LAB/SOP/02				
Period of Analysis	18.08.2022 to 25.08.2022				
Report for the month	August, 2022				

Discipline: Chemical Group: Water

Parameters	Unit	Results	Method
рН	-	7.49	IS 3025 (Part 11) 2022
Total Dissolved Solids	mg/l	152.00	IS 3025 (Part 16) 1984 Reaffirmed 2017
Turbidity	NTU	< 1.00	IS 3025 (Part 10) 1984 Reaffirmed 2017
Alkalinity	mg/l	65.98	IS 3025 (Part 23) 1986 Reaffirmed 2019
Chlorides as Cl	mg / I	32.03	IS 3025 (Part 32) 1988 Reaffirmed 2019
Total Hardness	mg/l	90.52	IS 3025 (Part 21) 2009 Reaffirmed 2019
Calcium	mg/l	26.45	IS 3025 (Part 40) 1991 Reaffirmed 2019
Residual chlorine	mg/l	ND	IS 3025 (Part 26) 2021
Sulphate	mg / I	17.69	IS 3025 (Part 24) Sec1:2022
Nitrate	mg / I	0.37	APHA 4500 NO ₃ -B (23 rd Edition)
Fluoride	mg/l	0.36	APHA 4500 F-D (23 rd Edition)
Heavy Metals:			
Iron (Fe)	mg / I	0.112	IS 3025 (Part 2) 2019
Copper (Cu)	mg / I	0.034	IS 3025 (Part 2) 2019
Zinc (Zn)	mg/l	0.080	IS 3025 (Part 2) 2019
Lead (Pb)	mg/l	0.001	IS 3025 (Part 2) 2019
Chromium (Cr)	mg / I	0.028	IS 3025 (Part 2) 2019

or M/s. ENVIRGATION & ENGINEERS PVT. LTD.,

Authorized Signatory (Shilpa Dhamankar)

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

Water Sample Analysis Report

Report No EAEPL/W/08/22/00984			Report Date – 25.08.2022		
Name of Customer	M/s. Raheja Universal Pvt. Ltd.				
Site Address	Raheja District I Plot. No. Gen – 2/1/B, D block, TTC Industrial Area, MIDC Juinagar, Nav	Reference – RUPL/ARCH/RD- 1/EAEPL-Q/PMR/435/2020			
Nature and Description of Sample	Tanker Water	EAEPL Laboratory			
Sampling locations and	EAEPL/W/08/22/00984	Sample quantity and packing	500ml X 1 No. St. PP Bottle		
Sample Code	(Near Site Office)	Preservation	Cool -Transported and stored at 5 °C (± 1°C).		
Date of Sampling	17.08.2022	Date of Receipt	18.08.2022		
Sampling Procedure	EAEPL/LAB/MB/SOP/17				
Period of Analysis	18.08.2022 to 25.08.2022				
Report for the month	August, 2022				

Discipline: Biological Group: Water

Parameters	Unit	Results	Method
Microbiological Analysis			
Coliforms	MPN/100ml	1600	IS 1622:1981 (Reaffirmed 2019)
E. coli	/100ml	Present	IS 1622:1981 (Reaffirmed 2019)

-End-

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

Authorized Signatory

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

Ambient Air Quality Monitoring Report

Report No EAEPL/A/08/22/00983			Report Date - 25.08.2022		
Name of Customer	M/s. Raheja Universal Pvt. Ltd.	M/s. Raheja Universal Pvt. Ltd.			
Site Address	Raheja District I Plot. No. Gen – 2/1/B, D block, TTC Industrial Area, MIDC Juinagar, Navi N	Reference – RUPL/ARCH/RD- 1/EAEPL-Q/PMR/435/2020			
Nature and Description of Sample	Ambient Air	Ambient Air Sample Collected by			
Sampling locations and Sample Code	EAEPL/A/08/22/00983	Sample quantity and packing	PM ₁₀ = 1 * 1 No. Filter paper. PM _{2.5} = 1 * 1 No. Filter paper. SOx = 30ml * 2 No. PVC bottle. NOx = 30ml * 2 No. PVC bottle.		
	(Near Main Gate of Site)	Preservation	Filter papers – Transported and stored in desiccator. PVC bottles - Transported and stored at 5°C (±1°C).		
Date of Sampling	17.08.2022	Date of Receipt	18.08.2022		
Sampling Procedure	EAEPL/LAB/SOP/01	·			
Period of Analysis	18.08.2022 to 25.08.2022				
Report for the month	August, 2022				

Discipline: Chemical Group: Atmospheric Pollution

Environmental Conditions							
Ambient Air Temperati	ıre (°C)	Rela	tive Humidity (%)		Duration of Monitoring		
27°C			72%		8 Hours		
	RESULTS						
Test Parameters	Re	Results NAAC			METHOD		
R.S.P.M (PM ₁₀) (μg/m ³)	4	7.84	100 μg/m ³	IS 5182 (Part 23) 2006 Reaffirmed 2017			
R.S.P.M (PM _{2.5}) (μg/m ³)	1	7.50	60 μg/m ³ IS 5182 (Part 23) 2019		(Part 23) 2019		
SO ₂ (μg/m³)	1	7.68	80 μg/m ³	IS 5182 Part-2 (2001) Reaffirmed 2017			
NOx (μg/m³)	2	0.43	80 μg/m³	IS 5182	Part-6 (2006) Reaffirmed 2017		

Remark: All the measured values are within NAAQS limits.

-----End------

For M/s. ENVIRGANALYSTS & ENGINEERS PVT. LTD.,

Authorized Signatory (Shilpa Dhan and Car)

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

Ambient Noise Level Monitoring Report

Report No EAEPL/N/08/22/00986			Report Date – 25.08.2022		
Name of Customer	M/s. Raheja Universal Pvt. Ltd.				
Site Address	Raheja District I Plot. No. Gen – 2/1/B, D block, TTC Industrial Area, MIDC Juinagar, Navi	Reference – RUPL/ARCH/RD- 1/EAEPL-Q/PMR/435/2020			
Nature and Description of Sample	Noise	EAEPL Laboratory			
Sampling locations and Sample Code	EAEPL/N/08/22/00986 Sample quantity and packing		Not Applicable		
Date of Sampling	17.08.2022	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

		Res	ults	CPCB Norms	
Monitoring Locations	Units	Day Time	Night Time	Day	Night
Near Main gate of A1 Tower	dB(A) Leq.	59.4	45.5	55	45
Centre side of A1 Tower	dB(A) Leq.	57.5	41.5	55	45
Near Back side of B1 Tower	dB(A) Leq.	55.3	42.5	55	45
Near Site Office	dB(A) Leq.	51.9	42.4	55	45

Remark: The noise level was observed to be higher than CPCB limit at all locations except at near site office.

For M/s. ENVIRGARILYSTS & ENGINEERS PVT. LTD.,

Authorized (Shilpa Dhar

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

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

Soil Sample Analysis Report

Report No EAEPL/S/08/22	/00985		Report Date - 25.08.2022
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		
Site Address	Raheja District I Plot. No. Gen – 2/1/B, D block, TTC Industrial Area, MIDC Juinagar, Nav	i Mumbai, Thane.	Reference – RUPL/ARCH/RD- 1/EAEPL-Q/PMR/435/2020
Nature and Description of Sample	Soil	Sample Collected by	EAEPL Laboratory
Sampling locations and	EAEPL/S/08/22/00985	Sample quantity and packing	500 gm X 1 Zip lock bag
Sample Code	(Near Centreside of Site)	Preservation	Transported & stored in dry area
Date of Sampling	17.08.2022	Date of Receipt	18.08.2022
Sampling Procedure	EAEPL/LAB/SOP/03		
Period of Analysis	18.08.2022 to 25.08.2022		
Report for the month	August, 2022		

Discipline: Chemical Group: Soil & Rock

Discipline: elicinical			Group. Son a nock			
Parameters	Unit	Results	Methods			
рH	-	7.78	IS 2720 (Part 26):1987, Reaffirmed:2021			
Electrical Conductivity	μS/cm	348.79	IS 14767:2000, Reaffirmed:2021			
Organic Matter	%	2.40	IS 2720 (Part 22) – 1972 (Reaffirmed 2020)			
Sulphate	mg/kg	29.56	IS 2720 (Part 27):1977 (Reaffirmed 2020)			
Soil Moisture	%	17.45	IS 2720 (Part 02):1973 (Reaffirmed 2020) Oven drying method			
Water Holding Capacity	%	37.05	EAEPL/LAB/SOP/SOIL/10			
Total Kjeldhal Nitrogen	mg/kg	811.97	IS 14684:1999 (Reaffirmed 2019)			
Chlorides	mg/kg	91.63	EAEPL/LAB/SOP/SOIL/03			
Available Phosphorus	mg/kg	1.75	EAEPL/LAB/SOP/SOIL/11			
Calcium	mg/kg	2027.70	EPA 9080			
Magnesium	mg/kg	100.56	EPA 9080			
Sodium (Na)	mg/kg	3462.20	EPA 3050B			
Potassium (K)	mg/kg	3082.61	EPA 3050B			
Heavy Metals:						
Copper	mg/kg	110.60	EPA 3050B			
Iron	mg/kg	76331.89	EPA 3050B			
Lead	mg/kg	111.32	EPA 3050B			
Zinc	mg/kg	150.31	EPA 3050B			

-----End-----

For M/s. ENVIRGANCE STS & ENGINEERS PVT. LTD.,

Authorized Signatory (Shilpa Dhamankar)

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.

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

Stack Emission Analysis Report

Report No EAEPL/SE/08/22	2/00987		Report Date – 25.08.2022		
Name of Customer	M/s. Raheja Universal Pvt. Ltd.				
	Raheja District I		Reference – RUPL/ARCH/RD-		
Site Address	Plot. No. Gen – 2/1/B, D block, T	TC	1/EAEPL-Q/PMR/435/2020		
	Industrial Area, MIDC Juinagar, N	lavi Mumbai, Thane.			
Nature and Description of Sample	Stack Sample Collected by		EAEPL Laboratory.		
Sampling locations and	DG Set 200 KVA	Sample quantity and packing	30 ml X 1 No. PVC bottle. TPM = 1 X 1 No. Filter paper.		
Sample Code	EAEPL/SE/08/22/00987	Preservation	Cool -Transported and stored at 5 °C (± 1°C)		
Date of Sampling	17.08.2022	Date of Receipt	18.08.2022		
Compling Dropodius	Indian Standard Method for measurement of emissions from stationary sources, 11255 (Part-1				
Sampling Procedure	& 2)				
Period of Analysis	18.08.2022 to 25.08.2022				
Report for the month	August, 2022				

Discipline: Chemical Group: Atmospheric Pollution

Sr. No.	Particulars	Stack Details	Limits
1	Stack attached to	DG Set	-
2	Type of Fuel	Diesel	-
3	Temp. of Flue Gas	122°C	-
4	Flue Gas Velocity	11.68 m/sec	-
5	Total Particulate Matter (TPM)	3.92 mg/Nm ³	150 mg/Nm³
6	Sulphur Dioxide (SO ₂)	1.88 kg/day	5.0 kg/day

For M/s. ENVIDE AND VSTS & ENGINEERS PVT. LTD.,

Authorized Signatory (Shilpa Dhaman(2+r)

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.

Government of Maharashtra

SEAC-2014/CR-91/TC-1 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 plot no. Gen - 2/1/B, D block, TTC industrial area, MIDC Juinagar, Navi Mumbai, Thane 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 meetings.

2. It is noted that the proposal is for grant of Environment Clearance for proposed plot no. Gen. 2/1/B, D block, TTC industrial area, MIDC Juinagar, Navi Mumbai, Thane. 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	Raheja District-I Proposed IT park with Commercial and residential				
	components.				
Project Proponent	M/s Raheja Universal (Pvt.) Ltd.	A COMMISSION OF THE PROPERTY O			
Consultant	Name- Mr. H.K. Desai				
	Address- Enviro Analysts & Engineers Pvt. Ltd.				
Type of Project	T park with Commercial and residential.				
Location of the project	Plot no. Gen – 2/1/B, D Block, TTC industrial area, MIDC Juinagar, Nav				
	Mumbai.				
Whether in	MIDC Juinagar				
Corporation/municipal/other					
area					
Applicability of the DCR	MIDC DCR				
LOI/NOC from MHADA/	Applied				
other approvals (If					
Applicable)					
Total plot area (sq.m.)	Sr.No. Description	(Sqmt)			
Deductions	1 Total Plot Area	275,309.85			

Net Plot Area	2	Recreational Ope	en Space (10%)		27,530.99
1100110011100	3 Amenity Open Space (5%)				13,765.49
	4	Net Plot Area (1	<u> </u>		247,778.87
	5	247,778.87			
	6	Incentive Fsi Total Permissible	a Fai (2.00)		495,557.73
		(Finance Services			493,337.73
	7	`	inancial Services (8	0% Of 4)	198,223.09
	8		r It And Financial So		198,223.09
	9		For It And Financial		396,446.18
	9a			Services	247,778.87
	9a 9b	Fsi For It (50% (I Services(30% Of 9		148,667.32
			1 Services(50% Of 9	")	146,007.32
		port Services)	1-1 0 D-4-11 (200/ O	Ē 4\	10 555 77
	10		ial & Retail (20% O	··········	49,555.77
	11		r Residential & Reta		49,555.77
	12	Permissible Fsi	For Residential & R	etail	99,111.55
Permissible FSI (including TDR etc.)	2.0				
Proposed Built Up Area	FSI Area	 	Non FSI Area	Construction	Area
(FSI & Non FSI)	4,95,522		5,08,906 m ²	10,45,059 m	
Ground Coverage Area	1,70,020	.00 111	1 2,00,300 111	10,10,000	
(percentage of plot not open to sky)	43 % of	total plot.			
Estimated Cost of the	1500 cr.				
project					
Number of Buildings &	I	CKS: Total 6 Blo			
configuration(s)	Block 1:- G+4podium+11 floors				
	Block 2 to 6: - G+4podium+16 floors				
	Retail (shops): G+Mezzanine				
			tal - 9 Buildings: G	+Podium+27	
		enter: B+2P+L+7			
			loor+ Roof Top lou	nge	
NT 3 C / 4 3		rking: Stilt+6 leve	EIS		
Number of tenants and		tial: 972 Flats			
shops	1	es: 364 Offices			
N. 1 C	Shops: 3				
Number of expected residents/users	58678 N	OS.			
Tenant density per hector	50 Tene	ments/hector		4	
	2131 ter	ant/hector			
Height of Building(s)	1	tial Building:89.90			
			n and Block 2 to 6:	89 m	
		rking: 29.40 m			
,		enter: 42 m			
		use: 12 m			
Right of way	MIDC I	OC Terminal Roa	d: Proposed 34.5 m		
Turning radius	7.5 m				
Existing Structure(s)	1	emolished			
Details of the demolition	Total de	molition waste:	29, 230 m ³		
with disposal (If applicable)			debris management	plan.	
Total Water Requirement	Total W	ater Requirement	(KID) 7612		

	1	0.0000 (3.0000)			
	Fresh Domestic water (KLD)				
	Flushing water (KLD): 4039)			
	Gardening (KLD): 206				
	Fire fighting (Cum): UG Tanks = IT building: 1200 Cum and Res. 900 Cum.				
Rain Water Harvesting	Level of the ground water table – 2.5-4m bgl				
(RWH)	Residential: Rainwater harve				
	Size and no of RWH tank(s)	and quantity: 14 m ³ each building			
	Location of the RWH tanks				
	IT Blocks:				
	Rainwater harvesting tanks p	proposed			
	Size and no of RWH tank(s)	and quantity: 1250 m ³ (2 nos.)			
	1500 m ³ (4 Nos.)				
	Total Rainwater harvesting p	pits for total plot:			
	No of pits: 176 Nos.	•			
	Dimension: 3mx3m				
		s): Show in Layout (Ground)			
	Budgetary allocation (capita				
	Capital cost: 9.3 cr.	,			
	O & M Cost: 31.0 lacs per y	year .			
Strom water drainage	Natural water drainage patte				
orom water dramage	Quantity of storm water: 5.				
		ed drain carrying capacity it can be concluded that			
		harge is adequate compared to the proposed SWD			
	capacity	iai go io adoquato compared to the prepared in a			
	Size of SWD: 2250mm×160	00mm			
	Slope: 1:450				
Sewage & Waste Water	Sewage generation: Res: 52	5 KLD			
bewage & waste water	Commercial: 6061 KLD				
	STP Technology: MBBR				
	Capacity of STP: Res: 525	Nos of STP			
	Commercial: 6061 KLD	71105. 01 011			
	Location of the STP- Show	n in layout			
	Budgetary allocation (capac				
	Capital cost: 16.4 cr.	hy cost and Octivi cost).			
	O & M Cost: 4.6 cr. per year	ar			
Solid Waste Management		Construction and Construction phase			
Solid waste Management	waste generation in the ric	Construction and Construction phase			
	Excavated material in m ³	Disposal			
	Excavated material in in	About 12900 m ³			
		to be reused for			
	, ,				
	1 20 000 3	leveling, landscaping			
	1,29,000 m ³	and remaining			
		quantity to be			
		disposed as MIDC			
		rules			
	Waste generation in the ope				
	Total Domestic Waste (TPI				
	Bio-degradable (TPD) –28.				
	Non Biodegradable (TPD) -				
	Mode of Disposal of Waste				
- The state of the		e handed over to authorized recyclers			
	Biodegradable: Will be pro	ocessed in the biogas for energy generation and			

			used for landscaping/ gard	dening
		(Dry Sludge): Use a		
			n the separate storage are	
	authorized of	e-waste recycler for f	further treatment and disp	osal.
	Area Requi	rement:		
	Location(s)	and total area provid	led for the storage and tre	atment of the solid
	waste:			
	Area for bio	gas plant: 700 sq. m		
	Budgetary a	illocation (capital co	st and O&M cost)	
	Capital Cos	t: 38 lacs		
	O & M Cos	t: 4.5 lacs per year		
Green Belt Development	RG area un	der green belt: 41166	5.98 Sq.m	
_	RG on grou	nd: 27530.98 sq. m	-	
	RG on podi	um: 13636 sq. m		
	Number and	d list of trees species	to be planted:	
	Sr. No.	Common names	Botanical names	Nos.
	$ \cdot _{1}$	Neem	Azadinachta Indica	100
	2.	Kanchan	Bauhinia Purpurea	100
	3.	Bahava	Casia Fistula	150
	4.	Taman	Lagerstomea Spaciosa	150
	5.		<u> </u>	200
	<u> </u>	Champaca	Michelia Champaca	
	6.	Bakul	Mimusops Elengii	50
	7.	Plumeria	Plumeria Obtusa	200
	8.	Putranjiva	Putranjiva Roxburgii	200
	9.	Sita Ashok	Saraka Indica	40
	10	Mast tree	Polyalthy longifolia	300
	11	Royal palm	Roystonia regia	200
	12	Kalamb	Mytragyna parviflora	30
	13	Fish tail palm	Caryota urens	100
	14	Indian coral tree	Erythrina Indica	100
	15	Screw pine	Pandanus pandanus	50
	16	Jungle bhindi	Thespesia populnea	150
	17	Ficus species	Ficus panda	300
	18	Indian rubber	Ficus elastica	60
		tree		
		TOTAL	'	2480
	<u> </u>			
	Budgetary	allocation (Capital co	ost and O&M cost)	
	Capital Cos		•	
	· •	st: 60 lacs per year		
Energy	Power Sup		···	
***		Load: 71415 kW		
		oad: 46532 kW		
	Total savin		~	Residential: 813 kW
		~		Commercial:
				6775kW
	Percentage	energy saving		Residential: 9.5%
		g, vg		Commercial: 17.9%
	Budgetary	allocation (capital co	ost and O&M cost) –	1
		st: Rs. 2.28 cr.	occur cool,) ^
<u> </u>	Jupitar Co.	10. 2.20 OI.		

	0 & M C	ost Rs	. 0.12 cr. per yea	ar			
			acity of the DG				
	Nos. of			sets to be used			
		T Block: 18 nos of 2000 KVA and 5 nos of 2500 KVA Residential: 10 nos of 1250 KVA Town center: 1 nos of 2000 KVA					
			os of 160 KVA	1			
			of 750 KVA				
Environmental Management	IVILCI .	1 1103 (71 / 30 10 7 / 1				
plan		S.n.	Particulars	Setting up	Annual o & m cost		
Budgetary Allocation		5.11.	1 arriculars	cost (INR –	(INR –Cr.)		
Budgetary Amocation			-	Cr.)	(ITAC CI.)		
		1	STP cost	16.4	4.6		
		2	RWH	9.3	0.31		
		3	Solar System	2.28	0.12		
		4	Solid waste	0.38	0.045		
THE PARTY OF THE P			management	0.50			
		5	Landscape	1.85	0.60		
		Total	Landscape	30.21	5.675		
	Ougntur	1	eneration of Cor				
re-projection and the state of					tal Management Facilities		
					the society is formed.		
	` '		•	•	-		
Traffic Management	Afterwards, EMF shall be handed over to Society. Nos. of the junction to the main road & design of confluence:						
Traine management	Entries &	•					
	Roads: 34.5 m D.P Road						
	Parking Details:						
	, –		quired: 1971				
			roposed: 2000				
	IT Build	ing: Re	quired: 10703 c	ar parks and 793	Two wheelers		
	Prop	osed:]	10755 car parks	and 795 two wh	eelers		
	Retail: R	Lequire	d: 212				
	Proposed						
	Width o	f all Int	ernal roads (m):	9 m minimum			

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 parking to be restricted as per actual requirement. In IT sector and SEZ proposals residential buildings are located adjacent to the industrial units and the employees are enabled to walk across to work. The objective behind this is ostensibly because of the non polluting nature of the industry. It would therefore be desirable for MIDC to examine amendment of the existing parking norms which leads to heavy congestion and in case in the volume of traffic accumulating in pollution and environment problems. If parking is restricted as

- per their actual requirement, more area could be available for residential/ industrial units by reducing the parking area.
- (ii) There should be separate entry and exit for services & visitors
- This environmental clearance is issued subject to land use verification. Local (iii) authority / planning authority should ensure this with respect to Rules, Regulations, Government issued Notifications. Resolutions. Circulars. etc. 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.
- (iv) 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.
- (v) PP has to abide by the conditions stipulated by SEAC & SEIAA.
- (vi) 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.
- (vii) "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.
- (viii) 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 Environmenent department before the project is commissioned for operation. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the

maximum extent possible. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.

- (xxiii) Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
- (xxiv) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
- (xxv) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- (xxvi) Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
- (xxvii) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- (xxviii)Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non conventional energy source as source of energy.
- (xxix) Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
- (xxx) Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
- (xxxi) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
- (xxxii) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is 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, NOx (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (xii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
- (xiii) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution

Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

- 4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
- 5. In case of submission of false document and non compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.
- 6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
- 7. Validity of Environment Clearance: The environmental clearance accorded shall be valid for a period of 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 plot no. Gen 2/1/B, D block, TTC industrial area, MIDC Juinagar, Navi Mumbai, Thane by M/s Raheja Universal (Pvt.) Ltd

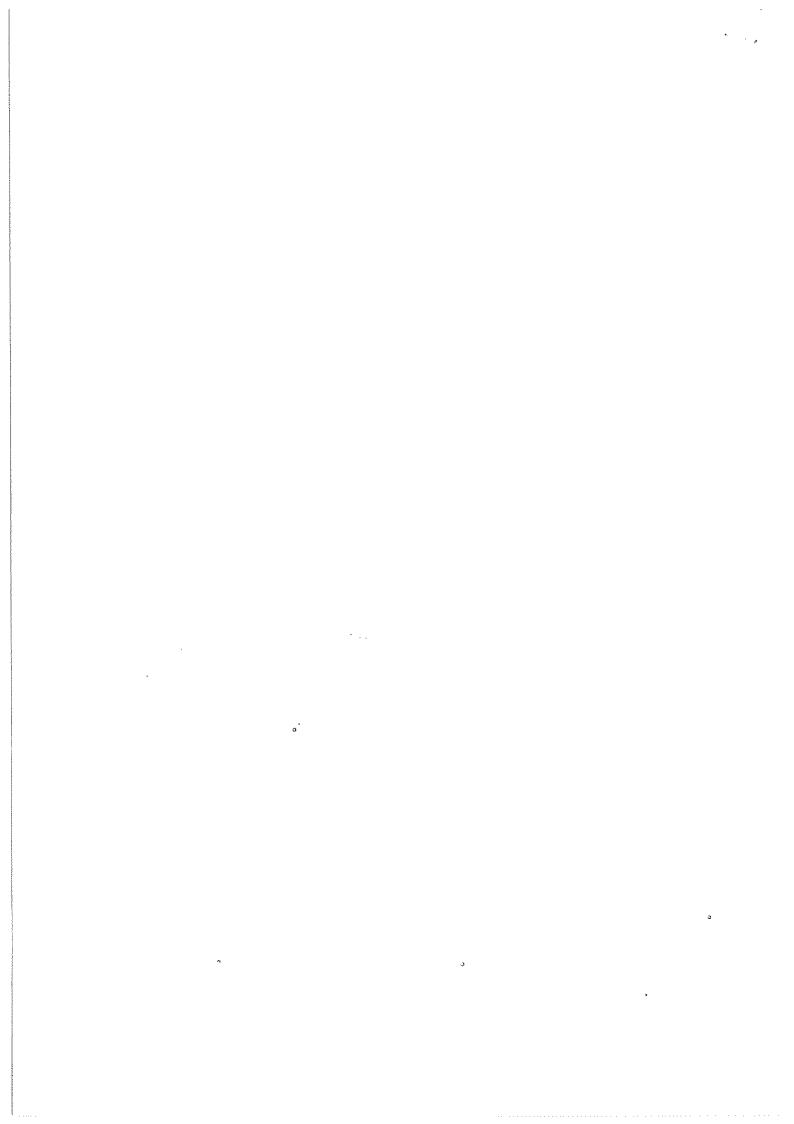
(Medha Gadgil) Additional Chief Secretary, Environment department &

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, Aligani, 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, Thane.
- 7. Collector, Thane
- 8. MIDC, Navi Mumbai
- 9. Commissioner, Municipal Corporation, Thane
- 10. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aligani, New Delhi-110003.
- 11. Select file (TC-3)

(EC uploaded on 29 | 12 | 2014)



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MAHARASHTRA POLLUTION CONTROL BOARD

管: 24010437 昌: 24024068

Histins at: http://mpcb.mah.nic.in



KALPATARU POINT, 2nd,3rd & 4th Floor, Opp. Cineplanet, Near Sion Circle, Sion East, MUMBAI: 400 022

ORANGE / LSI

Date: 25/0172006.

Consent No. BO/RO(P&P)/447

Consent to Establish is granted to

M/s. K Raheja Universal Pvt. Ltd., Plot No; GEN-2/1/B, TTC Indl. Area, Bonsari / Kuksheth / Ahiravne, Navi Mumbai, Thane.

located in the area declared under the provisions of Water Act (P&CP) 1974, Air Act (P&CP), 1981 and Authorization under the provisions of H.W (M & H) Rules and amendments thereto subject to the provisions of conditions:

1. The Consent to Establish is valid up to Completion of construction of

M/s. K Raheja Universal Pvt. Ltd., Plot No; GEN-2/1/B, TTC Indl. Area, / Bonsari / Kuksheth / Ahiravne, Navi Mumbai, Thane.



For development of land/plot as new construction activities named as M/s. K Raheja Universal Pvt. Ltd., Plot No; GEN-2/1/B, TTC Indl. Area, Bonsari / Kuksheth / Ahiravne, Navi Mumbai, Thane, on total land area for 275309.85 sq mtrs. including utilities and services such as IT Park as per construction commencement certificate issued by local body.

- 2. CONDITION UNDER WATER ACT :-
- (i) The daily quantity of (a) sewage effluent from above construction project including (b) waste water from swimming tank/water sports shall not exceed 2640 cubic meters per day
- Sewage Effluent Treatment: The Applicant shall provide a comprehensive sewage treatment plant as is warranted with reference to influent quality and corresponding mode of disposal and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards:-

PARAMETERS	Limit	Standards for sub- streams		
		(A)	(B)	Unit
рН	In between	5.5 to 9	.7 to 8.5	
Suspended Solids	Not to exceed	100	10	mg/l
B.O.D. 3 days 27 C	Not to exceed	30.	10	mg/l
Oil & Grease	Not to exceed	10	NIL	mg/l
Dissolved Phosphates (as P)	Not to exceed	5 ·	5	mg/l
Dissolved Oxygen	Not less than	5	5	mg/l
R. Chlorine	Not to exceed	0.1	0.1	Mg/I.

(iii) Sewage effluent Disposal:-

Treated domestic effluent shall be recycled to the maximum extent for flushing, fire fighting, etc., and excess treated effluent shall be disposed of on land for gardening/ irrigation/ lawns/ tree-plantations within own premises and / or excess treated sewage effluent shall be disposed into to under ground drainage scheme provided by local body. In no case, effluent shall find its way to any water body directly/indirectly at any time.



Non-Hazardous Solid Waste:-

The total quantity shall not exceed 13277 Kg per day and shall be segregated and treated as follows:-

Sr. No.	Type of Segregated solid waste	Quantity Kg/day	Treatment	Disposal
1	Organic	, rigidaly	Invessel Composting at site only	Self-use
2	Inert		Segregation	At approved landfill
3	Paper Packing	13217	Segregation	
4	Rubber			Sale
5	Glass		Segregation	At approved landfill
			Segregation	Sale
6	Miscellaneous(STP Sludge)	260	Segregation	Sale/At approved

3. Other Conditions:-

- All activities shall be in resonance with the provisions of Indian Forest Act, 1927 (16 of 1927), Forest (Conservation) Act, 1980 (69 of 1980) and Wildlife (Protection) Act, 1972 (53 of 1972), CRZ notification, and special notifications published for Dahanu, Murud -Jangira, Matheran and Mahableshwar area wherever applicable and all the Environmental Statutes and Instruments.
- This Consent to Establish is issued only for New Construction/ Developing Construction Project purposes.
- 3. No quarrying activities shall be commenced in the area unless appropriate permissions are obtained for a limited quarrying material required for construction of local commercial housing and traditional road maintenance work, provided that such quarrying is not done on Forest Lands and the material is not exported to the outside area.
- There shall be no felling of trees whether on Forest, Government, Revenue or Private lands except as per prevailing Rules.
- Extraction of Groundwater for the commecial complex shall require prior permission of the State Ground Water Authority or other relevant authorities, as applicable;
- Near the activities that are related to water (like activity of water parks, water sports) and/or in the vicinity of lake, Dissolved Oxygen shall not be less than 5 mg/liter.
- 7. In order to ensure that the water from this commercial complex do not enter into outside environment, the nallas crossing the township/complex premises, shall be lined, covered and made water tight by the applicant within the premises with intermittent inspection of chambers following good engineering practices as per the regulations of local body. This management shall be such as also to help in excluding the external pollutants degrading the internal environment of residential complex.
- The Applicant shall prepare management plan for water harvesting, roof-water reclamation, water/storm water conservation and implement the same before handling over of complex for occupation.
- 9. The Applicant shall draw plans for the segregation of solid wastes into biodegradable and non-biodegradable components. The biodegradable material shall be recycled through scientific in-house composting with the approval of local body and the inorganic material shall be disposed off at approved Municipal Solid Waste landfill site of local body environmentally acceptable location and method. It is clarified that the term solid waste includes domestic, commercial, and garden wastes, but does not include hazardous and bio-medical wastes. The activities of bio-composting and engineered land fill shall be as per the Municipal Solid Waste (M&H) Rules, 2000
- Applicant shall be responsible to take adequate precautionary measures as detailed in this consent.
- 11. The applicant/generator shall be responsible for safe and scientific collection, transportation, treatment and disposal of Bio-Medical Waste as per the provisions made under the Bio-Medical Waste (Management & Handling) Rules, 1998. Any activity as defined under BMW (M & H) Rules has to obtain a separate Authorization from Maharashtra Pollution Control Board.
- The applicant, during the construction stage shall provide
 - a) Septic tank and soak pit of adequate capacity for the domestic effluent generated due to workers residing at site.
 - b) Proper loading and unloading of construction material, excavated material and its proper disposal as per MSW (M&H) Rules 2000.
 - c) Cutting of trees is not permitted, however in unavoidable conditions necessary permission from the local body shall be obtained.
 - d) Construction material shall be carried in enclosed vehicles during constriction activities.
 - e) Green belt of 33% of the open space shall be developed.



for by miles

 The Applicant shall comply with all the provisions of, the Water (Prevention and Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and Rules as Amended, 2003 and Rules there under:

The daily water consumption for the following categories shall not exceed, as under

(i) Domestic

From ULB

From other sources

(In CMD)

116

a) During construction stage

After completion

(In CMD)

3300

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

6. CONDITIONS UNDER AIR ACT :-

The Applicant may install -- numbers of diesel generating sets (DG Sets), of capacity -- KVA each, and shall be equipped with comprehensive control system as is warranted with reference to generations of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:-

(i) Standards for emissions of air Pollutants

i) ·	SPM/TPM	Not to Exceed	150	ma/Nm3
ii)	SO2	Not to Exceed	50	PPM
iii)	NOx	Not to Exceed	60	PPM

(ii) The Applicant shall observe the following fuel patterns

No. Type of Fuel	Quantity	
	NA	

(iii) The Applicant shall erect the Chimney (s) of the following specifications

No.	Chimney attached to	Height above roof level	
		NA	

- a) The Applicant shall provide ports in the chimney 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 chimneys shall be numbered as S-1, S-2 etc and these shall be painted/ displayed to facilitate identification.
- b) Water spraying shall be done on ground to avoid fugitive emissions.

(iv) Conditions for DG Sets :-

- 1. Noise from DG Sets shall be controlled by providing acoustic enclosure or by treating the room acoustically.
- 2. Applicant should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room shall 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 shall be done at different points at 0.5 meters from acoustic enclosure/ room and then average.
- The Applicant should make efforts to bring down noise level due to DG Set, outside the premises, with ambient noise level requirements by proper setting and control measures.
- 4. Installation of DG Set must be strictly in compliance with recommendations of DG set manufacturer;
- A proper routine and preventive maintenance procedure for DG Set shall be set and followed in consultation with the DG manufacturers, which would help to prevent noise levels of DG Sets from deteriorating with use.
- The DG set shall be operated only in case of power failure. The applicant shall make arrangement for regular electrical power.
- The Applicant shall not cause any nuisance in the surrounding area due to operation of DG sets.
- 8. In case of problems, the D.G. set shall not be operated until it is set back to satisfactory position.

(v) Conditions For Utilities like Kitchen, Eating Places etc., :-

- The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting
- The toilet shall be provided with exhaust system connected to chimney through ducting.
- 3. The air conditioner shall be vibration proof and the noise shall not exceed 68 dB (A).
- The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. higher than the nearest tallest building through ducting and shall discharge into open air in such way that no nuisance is caused to neighbors.

Pollur

- (vi) The Applicant shall take adequate measures for control of noise levels from its own sources within the complex (residential cum Commercial) in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned as between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 (vii)
 - Construction equipments generating noise of less than 65/90 db(A) are permitted.

(viii) No construction work is permitted during night time.

CONDITIONS UNDER HW (M & H) & AMENDMENT RULES 2003

The Applicant shall not generate or handle any hazardous waste.

- The applicant shall certify that the bricks used in construction are manufactured using the ash from Thermal Power stations if it is within a radius of 100 km. from Thermal Power Plant and submit the names of bricks
- This "Consent to Establish" is issued subject to the planning permission and permission for nonagricultural (N.A.) use from the Competent Authority and clearance from other concern departments. 10.
- The applicant shall not-handover the residential complex unless obtain Consent to Operate/NOC from Maharashtra Pollution Control Board and compliance thereof.
- The applicant shall take the proper remediation measures to ensure that the ground water and soil contamination is prevented and follow due diligence at the construction stage.
- This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on

For and on behalf of the Maharashtra Pollution Control Board

(R.G. ethe) I/c. Member Secretar



M/s. K Raheja Universal Pvt. Ltd., Plot No; GEN-2/1/B, TTC Indl. Area, Bonsari / Kuksheth / Ahiravne, Navi Mumbai, Thane.

Copy forwarded with compliments to

1. The Collector, Raigad.

Copy to

1. Regional Officer Navi Mumbai, MPCB,

2 Sub Regional officer Navi Mumbai, TTC, MPCB,

3. Chief Accounts Officer, MPCB, Mumbai.

Received consent fee of

Amount	DD No.		
Rs. 8,00,000/-		Date	Drawn on
	048649	02.11.2005	HDFC

4. Cess Branch, MPCB, Mumbai.

5. Master file.

The Free preso Journal - 15/8/2015

सूचना -

प्लॉट असा क्र. जीइएन-२/१/बी, 'डी' ब्लॉक, टीटीसी, इंडस्ट्रिअल क्षेत्र, एमआयडीसी, नवी मुंबई येथील प्रस्तावित आयटी पार्क 'रहेजा डिस्ट्रिक्ट-1' यास पर्यावरण मंत्रालय आणि फॉरेस्ट, भारत शासन यांच्याकडून पर्यावरण निपटारा प्राप्त झाला आहे. निपटाऱ्याची प्रत महाराष्ट्र प्रदुषण नियंत्रण मंत्रालय आणि फॉरेस्ट, भारत शासन यांच्याकडे उपलब्ध आहे.

वेबसाईट: www.envfor.nic.in

dazin 18/8/2015

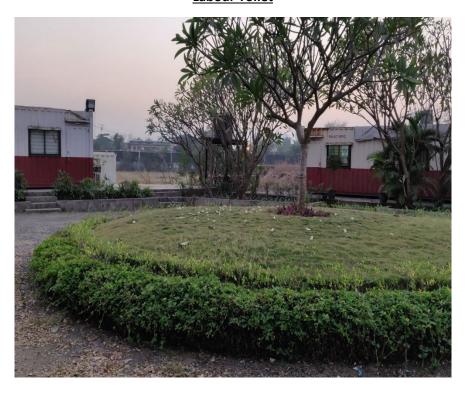
NOTICE

The proposed IT Park 'Raheja' District — I' on plot bearing no. Gen-2/1/B, '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



Labour Toilet



Tree Plantation