

Consent

From: Consent
Sent: Friday, June 28, 2024 2:51 PM
To: sromumbai1@mpcb.gov.in
Subject: Submission of Post Monitoring Report for the period of October, 2023 – March, 2024 for Construction Of Residential Project at Lower Parel Division, Mumbai.by M/S. RAHEJA UNIVERSAL LTD
Attachments: PMR-Raheja-Imperia_Oct,23-Mar,24_.pdf

To,
The SRO Mumbai - I ,
M.P.C.Board,
Kalapataru point, Sion (East),
Mumbai – 400 022.
Maharashtra

Subject: Submission of Post Monitoring Report for the period of October, 2023 – March, 2024 for Construction Of Residential Project at Sub Plot 'A' of Property bearing New CS No.434 (old S. No. 1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel Division, Mumbai.

Reference: Clearance File No. DYCHE/3641/ (B.P.) CITY dtd. 30.11.2017 & Clearance File No.: SEAC-2012/CR-115/TC-II dtd. 25.03.2014.

Dear Sir,

This is with reference to the above subject. We are submitting the half yearly, post monitoring report for period of October, 2023 – March, 2024. 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 LTD.,

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



Thanks & Regards
Dwirukti Poddar
M/s. Enviro Analysts and Engineers Private Limited.

**B-1003,Enviro House,10th floor.
Western Edge-II, W.E Highway.
Borivali(E),Mumbai-400066
Mobile No: 9322086202
Tel No:91-22 2854 1647/48/49/67/68
Email: consent@caepl.com / d.poddar@caepl.com
“File this email in an email folder and save a tree.”**

Consent

From: Consent
Sent: Friday, June 28, 2024 2:51 PM
To: eccompliance-mh@gov.in
Subject: Submission of Post Monitoring Report for the period of October, 2023 – March, 2024 for Construction Of Residential Project at Lower Parel Division, Mumbai.by M/S. RAHEJA UNIVERSAL LTD
Attachments: PMR-Raheja-Imperia_Oct,23-Mar,24_.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 October, 2023 – March, 2024 for Construction Of Residential Project at Sub Plot 'A' of Property bearing New CS No.434 (old S. No. 1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel Division, Mumbai.

Reference: Clearance File No. DYCHE/3641/ (B.P.) CITY dtd. 30.11.2017 & Clearance File No.: SEAC-2012/CR-115/TC-II dtd. 25.03.2014.

Dear Sir,

This is with reference to the above subject. We are submitting the half yearly, post monitoring report for period of October, 2023 – March, 2024. 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 LTD.,

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



Thanks & Regards
Dwirukti Poddar

M/s. Enviro Analysts and Engineers Private Limited.
B-1003,Enviro House,10th floor.
Western Edge-II, W.E Highway.
Borivali(E),Mumbai-400066
Mobile No: 9322086202
Tel No:91-22 2854 1647/48/49/67/68
Email: consent@caepl.com / d.poddar@caepl.com
“File this email in an email folder and save a tree.”

Date: 23/05/2024

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 October, 2023 – March, 2024 for Residential Project at Sub Plot 'A' of Property bearing New CS No.434 (old S. No. 1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel Division, Mumbai.

Reference:

1. Clearance File No.: SEAC-2012/CR-115/TC-II dtd. 25.03.2014.
2. Clearance File No.:DYCHE/3641/(B.P.) CITY dtd. 30.11.2017

Dear Sir,

This is with reference to the above subject. We are submitting the half yearly, post monitoring report for period of October, 2023 – March, 2024. 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.,



(Authorized Signatory)

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

Date: 23/05/2024

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 October, 2023 – March, 2024

Reference:

1. Clearance File No.: SEAC-2012/CR-115/TC-II dtd. 25.03.2014.
2. Clearance File No.:DYCHE/3641/(B.P.) CITY dtd. 30.11.2017

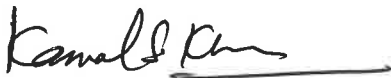
Dear Sir,

This is with reference to the above subject, for Residential Project at Sub Plot 'A' of Property bearing New CS No. 434 (old S.No.1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel Division, Mumbai, the present project status at site is as follows:

Building Name	Floors	Status
Residential Building No.1 (Wing A & B)	Stilt at Ground level for parking + One Podium +top of 2 nd podium for driveway + stilt + Partly RG with club House + 5 Nos. Car parking floors + 46 Nos. Residential Upper Floors + Multipurpose room	100% RCC, 100% block work completed, finishing , painting & other work in progress
Residential Building No.2	Up to 2 nd floor	Work Commenced

Thanking you,
Yours Faithfully,

M/S. RAHEJA UNIVERSAL (PVT) LTD.,



(Authorized Signatory)

DATA SHEET

Developer

M/s. RAHEJA UNIVERSAL (PVT) LTD.

Plot 'A' of property bearing New C.S. No. 434 (old C.S. No. 1/433,
434, 435, 1/435, 470, 471 472) of Lower Parel Division,
Shankar Rao Naram Path, Lower Parel, Mumbai

MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS

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

Monitoring Report

PART – I

DATA SHEET

1.	Project type: river - valley/ mining/ Industry / thermal / nuclear/ Other (specify)	Construction of Residential Building Project
2.	Name of the project	Raheja Imperia
3.	Clearance letter (s) / OM/ no and date:	File No. DYCHE/3641/(B.P.) CITY dtd. 30.11.2017 & Clearance File No.: SEAC-2012/CR-115/TC-2 dtd. 25.03.2014.
4.	Location	Plot 'A' of property bearing New C.S. No. 434 (old C.S. No. 1/433, 434, 435, 1/435, 470, 471 472) of Lower Parel Division, situated at Shankar Rao Naram Path, Lower Parel, Mumbai
a.	District (s)	Mumbai
b.	State (s)	Maharashtra
5.	Address for correspondence	
a.	Address of concerned project Chief Engineer (with pin code & telephone / telex / fax numbers)	Mr. Kamal Khemani M/s. Raheja Universal P. Ltd., Raheja Center Point, 294, CST Road, Kalina, Santacruz (East), Mumbai.
b.	Address of Executive Project Engineer /Manager (with pin code / fax number)	Mr. Kamal Khemani M/s. Raheja Universal P. Ltd., Raheja Center Point, 294, CST Road, Kalina, Santacruz (East), Mumbai.

6.	Salient features							
a.	of the project	<p>Total Plot Area: 22,065.28 sq.m.</p> <p>As per FSI: 47,704.16 sq.m.</p> <p>Non FSI: 55.668.40 sq.m.</p> <p>Total Built – Up Area: 1,00,372.56 sq.m.</p> <p>Building Configuration:</p> <table><tr><th>Component</th><th>Configuration</th></tr><tr><td>Residential Building No. 1</td><td>Stilt at Gr. Level for parking + 1 Podium + Top of 2nd podium for Driveway + Stilt + Partly RG with Club house + 5 Nos. Car parking floors + 46 Nos. Residential upper floors + Multi-purpose room having total height of 13.95 mtrs. upto terrace level & 228.0 mtrs. upto top of elevation crown feature</td></tr><tr><td>Residential Building No. 2</td><td>Ground Floor + 2 residential upper floors having total height of 10.20 mtr.</td></tr></table>	Component	Configuration	Residential Building No. 1	Stilt at Gr. Level for parking + 1 Podium + Top of 2 nd podium for Driveway + Stilt + Partly RG with Club house + 5 Nos. Car parking floors + 46 Nos. Residential upper floors + Multi-purpose room having total height of 13.95 mtrs. upto terrace level & 228.0 mtrs. upto top of elevation crown feature	Residential Building No. 2	Ground Floor + 2 residential upper floors having total height of 10.20 mtr.
Component	Configuration							
Residential Building No. 1	Stilt at Gr. Level for parking + 1 Podium + Top of 2 nd podium for Driveway + Stilt + Partly RG with Club house + 5 Nos. Car parking floors + 46 Nos. Residential upper floors + Multi-purpose room having total height of 13.95 mtrs. upto terrace level & 228.0 mtrs. upto top of elevation crown feature							
Residential Building No. 2	Ground Floor + 2 residential upper floors having total height of 10.20 mtr.							
b.	of the environmental management plans	<p>1. <u>Sewage Treatment Plant:</u></p> <p>Sewage Treatment Plant with capacity of 200 KLD for residential building will be provided for treating the wastewater.</p> <p>2. <u>Water Management:</u></p> <p>Rain Water Harvesting shall be provided to recharge the ground water table.</p> <p>3. <u>Solid Waste Management:</u></p> <p>Non-Biodegradable waste will be handed over to Local vendors</p> <p>Biodegradable waste will be processed in OWC.</p> <p>Dry Sewage sludge will be used as a manure for gardening.</p>						
7.	Break Up Of the project Area							
a.	Submerge area : forest & :non-forest	Non Forest						

b.	Others	Total Plot Area: 22,065.28 sq.m. As per FSI: 47,704.16 sq.m. Non FSI: 55.668.40 sq.m. Total Built – Up Area: 1,00,372.56 sq.m.																		
8.	Break up of the project affected: population with enumeration of those losing houses / dwelling units, only agriculture land only, both dwelling units and agriculture land and landless labourers / artisan	Not Applicable.																		
a.	SC, ST / Adivasis	---																		
b.	Others	---																		
	(Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details and years of survey)																			
9.	Financial details																			
a.	Project cost as originally planned and subsequent revised estimates and the year of price reference	Total cost: 485.5 Crores																		
b.	Allocation made for environmental management plans with item wise and year wise break-up	EMP Cost: <table border="1"> <thead> <tr> <th>Parameter</th><th>Total Set Up Cost (Rs. In Lakhs)</th><th>O & M Cost Per Yr (Rs. In Lakhs)</th></tr> </thead> <tbody> <tr> <td>STP Cost</td><td>27</td><td>7.1</td></tr> <tr> <td>RWH</td><td>55</td><td>1.5</td></tr> <tr> <td>Energy Saving</td><td>20</td><td>1.5</td></tr> <tr> <td>Landscaping</td><td>19</td><td>3</td></tr> <tr> <td>Solid Waste Management</td><td>18</td><td>3.65</td></tr> </tbody> </table>	Parameter	Total Set Up Cost (Rs. In Lakhs)	O & M Cost Per Yr (Rs. In Lakhs)	STP Cost	27	7.1	RWH	55	1.5	Energy Saving	20	1.5	Landscaping	19	3	Solid Waste Management	18	3.65
Parameter	Total Set Up Cost (Rs. In Lakhs)	O & M Cost Per Yr (Rs. In Lakhs)																		
STP Cost	27	7.1																		
RWH	55	1.5																		
Energy Saving	20	1.5																		
Landscaping	19	3																		
Solid Waste Management	18	3.65																		
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. 485.5 Cr.		
f.	Actual expenditure incurred on the environmental management plans so far	Particulars	Capital cost (In Lakhs)	O & M Cost (In Lakhs)
		STP	27	7.1
		RWH	55	1.5
		Solar Panel	20	1.5
		Landscaping	19	3
		OWC	18	3.65
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: 6,445.32 Sq. m. A combination of native evergreen trees and ornamental flowering trees, shrubs and palms are planned in the complex. There will be tree plantation of about 288 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)	March 2014		
b.	Date of completion (Actual and/ of planned)	November,2027		
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	19.12.2023; 30.01.2024
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	Mr. Kamal Khemani M/s. Raheja Universal P. Ltd., Raheja Center Point, 294, CST Road, Kalina, Santacruz (East), Mumbai.

COMPLIANCE REPORT

Developer

M/s. RAHEJA UNIVERSAL (PVT) LTD.

Plot 'A' of property bearing New C.S. No. 434 (old C.S. No. 1/433,
434, 435, 1/435, 470, 471 472) of Lower Parel Division,
Shankar Rao Naram Path, Lower Parel, Mumbai

COMPLIANCE REPORT

TERMS & CONDITIONS

1.	This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. 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.	Condition is noted. The construction is carried out as per the planning authority.
2.	PP has to abide by the conditions stipulated by SEAC & SEIAA.	Agree.
3.	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.	Condition is noted.
4.	"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 for Establish is obtained from Maharashtra Pollution Control Board under Air and Water Act before starting construction work at the site. (Copy enclosed).
5.	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.

6.	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.
7.	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 housing provision for the construction labour within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STP, safe drinking water, medical health care, etc. is made.
8.	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.
9.	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.
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.	Arrangement shall be made that waste water and storm water do not get mixed.	Separate confined sewage system has been proposed which is connected to STP for the treatment and reuse of the treated water. Excess treated water shall be disposed off into the sewer drain. Storm water drain shall be in covered drain system and will be connected to municipal drain.

12.	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	Excavated Top soil is being used for landscaping.
13.	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.
14.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture Dept.	<ul style="list-style-type: none"> • The green area proposed is 6445.32 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 288 nos. • Plantation Details: Species will be selected as per CPCB greenbelt guidelines and common species available in the proposed area.
15.	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.
16.	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.
17.	Construction Spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.	<ul style="list-style-type: none"> • There will be no generation of hazardous waste at site. Proper care would be taken following the norms to handle and use the bituminous and other hazardous material at site. • Also silt traps and other measures such as additional on-site will be constructed to control surface Run-off.

18.	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra pollution Control Board.	Used oil would be generated from the site, will be disposed through Authorized vendor of MPCB.
19.	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.	About 2 X 500 KVA capacities DG sets are used for backup during construction phase. These are environment friendly make and provided with acoustic enclosures to avoid noise emission.
20.	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken	Use in emergency. Necessary permission of competent authority will be taken to store diesel in the premises for operation of DG set.
21.	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.
22.	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.	<p>Following care are taken regarding noise levels with conformation to the residential area.</p> <ol style="list-style-type: none"> 1. Use of well-maintained equipment fitted with silencers. 2. Noise shields near the heavy construction operations are provided. 3. Construction activities are limited to daytime hours only. <p>Also use of Personal Protective Equipment (PPE) like ear muffs and ear plug during construction activities.</p> <p>The ambient air and noise report is enclosed herewith. The report indicates that the same are within the prescribed norms defined by the concern authority.</p>
23.	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27 th August, 2003 (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).	Yes, Ready mixed concrete added with fly ash is being used in the construction.

24.	Ready mixed concrete must be used in building construction.	Yes, Ready mixed concrete added with fly ash is being used in the construction.
25.	The approval of competent authority shall be obtained for structural safety of the building due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.	The NBC and other norms for the safety of the building are being followed.
26.	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.
27.	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.
28.	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.
29.	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled / reused to the maximum extent possible. Treatment of 100% gray water by decentralized treatment should be done. Discharge of unused treated effluent 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 with 200 KLD capacity has been provided. Construction and installation of STP shall be carried out by 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.
30.	Local body should ensure that no occupation certification is issued prior to 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.
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	<ul style="list-style-type: none"> • Roof insulation 50 mm expanded polystyrene or equivalent insulation. • Heat reflective double glazed glass provided on external façade for the residential buildings.
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.	<ul style="list-style-type: none"> • D.G. sets will be provided as back up for Residential buildings. • About 500 KVA (2 nos) D.G. sets are being provided with silencer & acoustic enclosures. The stacks shall be provided as per MPCB norms.

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.	<ul style="list-style-type: none"> 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.
40.	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 a operational 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.
41.	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.
42.	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	Regular supervision done by our site engineer to take care of the construction activity and of the surroundings.
43.	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. Obtained Consent to Establish.

44.	Six monthly monitoring reports should be submitted to the department and MPCB.	We are regularly submitting six monthly reports to Environment Department, Mantralaya & MPCB.																		
45.	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.																		
46.	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.																		
47.	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.																		
48.	Separate funds shall be allocated for implementation of environmental protection measures/ EMP along with item-wise break-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.	<p>EMP cost has been worked out and allocated for all air pollution devices and other facilities.</p> <p>EMP Cost:</p> <table border="1"> <thead> <tr> <th>Parameter</th><th>Total Set Up Cost (Rs. In Lakhs)</th><th>O & M Cost Per Yr (Rs. In Lakhs)</th></tr> </thead> <tbody> <tr> <td>STP Cost</td><td>27</td><td>7.1</td></tr> <tr> <td>RWH</td><td>55</td><td>1.5</td></tr> <tr> <td>Energy Saving</td><td>20</td><td>1.5</td></tr> <tr> <td>Landscaping</td><td>19</td><td>3</td></tr> <tr> <td>Solid Waste Management</td><td>18</td><td>3.65</td></tr> </tbody> </table>	Parameter	Total Set Up Cost (Rs. In Lakhs)	O & M Cost Per Yr (Rs. In Lakhs)	STP Cost	27	7.1	RWH	55	1.5	Energy Saving	20	1.5	Landscaping	19	3	Solid Waste Management	18	3.65
Parameter	Total Set Up Cost (Rs. In Lakhs)	O & M Cost Per Yr (Rs. In Lakhs)																		
STP Cost	27	7.1																		
RWH	55	1.5																		
Energy Saving	20	1.5																		
Landscaping	19	3																		
Solid Waste Management	18	3.65																		
49.	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 .	<p>The advertisement is published in Marathi and English language local newspaper. In Marathi news paper 'Navshakti' dtd. 22.04.2014 & in English newspaper 'The Free Press' dtd. 22.04.2014 Respectively. Photo copies of same are enclosed for your ready reference.</p> <p>Also, the advertisement is displayed on website of company.</p>																		
50.	Project management should submit half yearly compliance reports in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the MPCB and this department, on 1 st June and 1 st December of each calendar year.	We are regularly submitting six monthly reports to Environment Department, Mantralaya & MPCB.																		

51.	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.
52.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels mainly; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical 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.
53.	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.	We are regularly submitting six monthly reports to Environment Department, Mantralaya & MPCB.
54.	The environmental statement for each financial year ending 31 st March in Form – V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Condition is noted.
55.	The environmental Clearance is being issued without prejudice to the court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon'ble court will be binding on the project proponent. Hence this clearance doesn't not give immunity to the project	Condition is noted.

	proponent in the case filed against him.	
56.	In case of submission of false document and non compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	Condition is noted.
57.	The Environment department reserves the right to add any stringent condition or to revoke the clearance of conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	Condition is noted.
58.	Validity of Environmental Clearance: The environmental clearance accorded shall be valid for the period of 5 years.	Condition is noted and the PP will validate it once it expires.
59.	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.	The PP agrees to comply the condition.
60.	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.	All acts and Rules are abided
61.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, Van Vignyan Bhavan, Sec-5, R.K. Puram, New Delhi - 110022, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Condition is noted.

ENERGY CONSERVATION MEASURES

Developer

M/s. RAHEJA UNIVERSAL (PVT) LTD.

Plot 'A' of property bearing New C.S. No. 434 (old C.S. No. 1/433,
434, 435, 1/435, 470, 471 472) of Lower Parel Division,
Shankar Rao Naram Path, Lower Parel, Mumbai

ENERGY CONSERVATION MEASURES

- Purchase of energy efficient appliance.
- Use of common Area lights, luminary in landscaping area with LED Light Fixtures only.
- 50% internal common area like Staircase + lobby lights lighting are proposed to work on solar power energy system of 25 KW Capacity on terrace.
- All external Area Pole lights shall be working with Solar PV Power Panel. Total Installed Solar PV Panels for Pole Lights shall be 10 KW in Capacity.
- Parking area lighting shall be LED and partly on solar. The use of better performance glazing. AAC blocks, as well as the provision of overhangs and canopies as sun shades which shall reduce the direct heat gains on the building envelope, is proposed.
- This shall considerably reduce solar heat gains in the building through building orientation.
- 20% of Hot Water requirements shall be catered by Solar Hot Water System of 6550 KLD to be installed on Terrace.

POST MONITORING ENVIRONMENTAL STATUS REPORT

OF

RESIDENTIAL COMPLEX "Raheja Imperia "

For

October, 2023 - March, 2024

Developer

M/s. RAHEJA UNIVERSAL (PVT) LTD.

Plot 'A' of property bearing New C.S. No. 434 (old C.S. No. 1/433,
434, 435, 1/435, 470, 471 472) of Lower Parel Division,
Shankar Rao Naram Path, Lower Parel, Mumbai

Prepared by

ENVIRO ANALYSTS & ENGINEERS P. LTD.,

Ambient Air Quality Monitoring Report

Report No. - EAEPL/A/12/23/01920A			Report Date –28.12.2023
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference – RUPL/ARCH/IMPERIA/EAEPL- Q/PMR/119/2023
Site Address	“Raheja Imperia” Plot ‘A’ of Property bearing New CS No. 434 (Old S. No. 1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel Division, Mumbai.		
Nature and Description of Sample	Ambient Air	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/A/12/23/01920A (Near Main Gate of Site)	Sample quantity and packing	PM ₁₀ = 1 * 1 No. Filter paper. PM _{2.5} = 1 * 1 No. Filter paper. SO ₂ = 30ml * 2 No. PVC bottle. NO ₂ = 30ml * 2 No. PVC bottle.
		Sample Preservation	Cool -Transported and stored at 5°C (± 1°C).
Date of Sampling	19.12.2023	Date of Receipt	20.12.2023
Sampling Procedure	EAEPL/LAB/SOP/01		
Period of Analysis	20.12.2023 to 21.12.2023		
Report for the month	DECEMBER, 2023		

Discipline: Chemical

Group: Atmospheric Pollution

Environmental Conditions			
Ambient Air Temperature (°C)		Relative Humidity (%)	Duration of Monitoring
29°C		55%	8 Hours
RESULTS			
Tests Parameter	Results	NAAQS LIMITS	METHOD
Particulate Matter (PM ₁₀)	84.39	100 µg/m ³	IS 5182 (Part 23) 2006 Reaffirmed 2022
Particulate Matter (PM _{2.5})	44.99	60 µg/m ³	IS 5182 (Part 24) 2019
Sulphur Dioxide (SO ₂)	22.02	80 µg/m ³	IS 5182 Part 2 (2001) Sec 1:2023
Nitrogen Dioxide (NO ₂)	24.18	80 µg/m ³	IS 5182 Part 6 (2006) Reaffirmed 2022

Remark: All the measured values are within NAAQS limits.

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

Reviewed by



 (QM/DM)
(Shweta Sonawane)

Approved by




 Authorized Signatory
(Netra Pawar)

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

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

-----End of Report-----

Ambient Noise Level Monitoring Report

Report No. - EAEPL/N/12/23/01920B			Report Date - 28.12.2023
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		
Site Address	"Raheja Imperia" Plot 'A' of Property bearing New CS No. 434 (Old S. No. 1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel Division, Mumbai.		
Nature and Description of Sample	Ambient Noise	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/N/12/23/01920B	Sample quantity and packing	Not Applicable
Date of Sampling	19.12.2023	Date of Receipt	Not Applicable
Sampling Procedure	EAEPL/LAB/SOP/04		
Period of Analysis	Not Applicable		
Report for the month	DECEMBER, 2023		

Discipline: Chemical

Group: Atmospheric Pollution

Monitoring Locations	Units	Results		CPCB Norms	
		Day Time	Night Time	Day	Night
Near Main Gate	dB(A) Leq.	54.6	43.4	55	45
Centreside of Site	dB(A) Leq.	52.3	43.5	55	45
Near Site Office of Site	dB(A) Leq.	51.4	42.4	55	45
Near Back Side of Site	dB(A) Leq.	54.4	44.3	55	45

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

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

Reviewed by



(QM/DM)

(Shweta Sonawane)

Approved by



Authorized Signatory

(Netra Pawar)

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

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

-----End of Report-----

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

Water Sample Analysis Report

Report No. - EAEPL/W/12/23/01920C			Report Date -28.12.2023
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference – RUPL/ARCH/IMPERIA/EAEPL-Q/PMR/119/2023
Site Address	“Raheja Imperia” Plot ‘A’ of Property bearing New CS No. 434 (Old S. No. 1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel Division, Mumbai.		
Nature and Description of Sample	Tanker Water	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/W/12/23/01920 C (Near Main Gate)	Sample quantity and packing	2 L X 1 Nos. PVC Can.
		Sample Preservation	Cool -Transported and stored at 5 °C (± 1°C).
Date of Sampling	20.12.2023	Date of Receipt	20.12.2023
Sampling Procedure	EAEPL/LAB/SOP/02		
Period of Analysis	20.12.2023 to 28.12.2023		
Report for the month	DECEMBER, 2023		

Discipline: Chemical

Group: Water

Parameters	Unit	Results	Method
pH	-	7.85	IS 3025 (Part 11) 2022
Turbidity	NTU	<1.0	IS 3025 (Part 10) 2023
TDS	mg/L	276	IS 3025 (Part 16) 2023
Alkalinity	mg/L	66.87	IS 3025 (Part 23) 2023
Chlorides as Cl	mg/L	42.65	IS 3025 (Part 32) 1988 Reaffirmed 2019
Total Hardness	mg/L	176.52	IS 3025 (Part 21) 2009 Reaffirmed 2019
Calcium	mg/L	44.56	IS 3025 (Part 40) 1991 Reaffirmed 2019
Residual chlorine	mg/L	ND	IS 3025 (Part 26) 2021
Sulphate	mg/L	23.41	IS 3025 (Part 24) Sec 1: 2022
Nitrate	mg/L	ND	APHA 4500-NO3 B (23 rd Edition)
Fluoride	mg/L	ND	APHA 4500 F-D (23 rd Edition)
Heavy Metals:			
Iron (Fe)	mg/L	ND	IS 3025 (Part 2) 2019
Copper (Cu)	mg/L	ND	IS 3025 (Part 2) 2019
Zinc (Zn)	mg/L	ND	IS 3025 (Part 2) 2019
Lead (Pb)	mg/L	ND	IS 3025 (Part 2) 2019
Chromium (Cr)	mg/L	ND	IS 3025 (Part 2) 2019

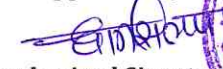
Note: ND – Not Detected

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

Reviewed by


(QM/DM)
(Shweta Sonawane)

Approved by


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.

-----End of Report-----

Water Sample Analysis Report

Report No. - EAEPL/W/12/23/01920C			Report Date - 28.12.2023
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference - RUPL/ARCH/IMPERIA/EAEPL- Q/PMR/119/2023
Site Address	"Raheja Imperia" Plot 'A' of Property bearing New CS No. 434 (Old S. No. 1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel Division, Mumbai.		
Nature and Description of Sample	Tanker Water	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/W/12/23/01920C (Near Main Gate)	Sample quantity and packing	250ml X 1 No. St. PP Bottle
		Sample Preservation	Cool -Transported and stored at 5°C (± 1°C).
Date of Sampling	20.12.2023	Date of Receipt	20.12.2023
Sampling Procedure	EAEPL/LAB/MB/SOP/17		
Period of Analysis	20.12.2023 to 22.12.2023		
Report for the month	DECEMBER, 2023		

Discipline: Biological

Group: Water

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

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


 Authorized Signatory
 (Shweta Sonawane)

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

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

-----End of Report-----

Soil Sample Analysis Report

Report No. - EAEPL/S/12/23/01920D			Report Date - 28.12.2023
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		
Site Address	"Raheja Imperia" Plot 'A' of Property bearing New CS No. 434 (Old S. No. 1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel Division, Mumbai.		Reference – RUPL/ARCH/IMPERIA/EAEPL-Q/PMR/119/2023
Nature and Description of Sample	Soil	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/S/12/23/01920D (Near Centreside of Site)	Sample quantity and packing	1000gm X 1 Zip lock bag
		Sample Preservation	Transported & stored in dry area.
Date of Sampling	20.12.2023	Date of Receipt	20.12.2023
Sampling Procedure	EAEPL/LAB/SOP/03		
Period of Analysis	20.12.2023 to 28.12.2023		
Report for the month	DECEMBER, 2023		

Discipline: Chemical
Group: Soil & Rock

Parameters	Unit	Results	Method
pH	--	7.68	IS 2720 (Part 26):1987, Reaffirmed:2021
Electrical Conductivity	µS/cm	991.00	IS 14767:2000, Reaffirmed:2021
Soil Moisture	%	26.67	IS 2720 (Part 02):1973 (Reaffirmed 2020) Oven drying method
Water Holding Capacity	%	32.41	EAEPL/LAB/SOP/SOIL/10
Organic Matter	%	2.56	IS 2720 (Part 22) - 1972 (Reaffirmed 2020)
Chlorides as Cl	mg/kg	108.44	EAEPL/LAB/SOP/SOIL/03
Total Kjeldhal Nitrogen	mg/kg	720.57	IS 14684:1999 (Reaffirmed 2019)
Exchangeable Ca	mg/kg	2310.88	EPA 9080
Exchangeable Mg	mg/kg	214.51	EPA 9080
Sulphate	mg/kg	26.75	IS 2720 (Part 27):1977 (Reaffirmed 2020)
Available Phosphorus	mg/kg	1.58	EAEPL/LAB/SOP/SOIL/11
Sodium (Na)	mg/kg	907.34	EPA 3050B
Potassium (K)	mg/kg	710.39	EPA 3050B
Copper (Cu)	mg/kg	201.5	EPA 3050B
Iron (Fe)	mg/kg	50482.11	EPA 3050B
Lead (Pb)	mg/kg	118.09	EPA 3050B
Zinc (Zn)	mg/kg	20.66	EPA 3050B

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

Reviewed by

(QM/DM)
(Shweta Sonawane)

Approved by

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.

-----End of Report-----

Ambient Air Quality Monitoring Report

Report No. - EAEPL/A/01/24/00280			Report Date –07.02.2024
ULR Number: TC1118924000000280F			
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference – RUPL/ARCH/IMPERIA/EAEPL-Q/PMR/119/2023
Site Address	“Raheja Imperia” Plot ‘A’ of Property bearing New CS No. 434 (Old S. No. 1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel Division, Mumbai.		
Nature and Description of Sample	Ambient Air	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/A/01/24/00280 (Near Main Gate of Site)	Sample quantity and packing	PM ₁₀ = 1 * 1 No. Filter paper. PM _{2.5} = 1 * 1 No. Filter paper. SO ₂ = 30ml * 2 No. PVC bottle. NO ₂ = 30ml * 2 No. PVC bottle.
		Sample Preservation	Cool -Transported and stored at 5°C (± 1°C).
Date of Sampling	30.01.2024	Date of Receipt	31.01.2024
Sampling Procedure	EAEPL/LAB/SOP/01		
Period of Analysis	31.01.2024 to 01.02.2024		
Report for the month	JANUARY, 2024		

Discipline: Chemical


Group: Atmospheric Pollution

Environmental Conditions			
Ambient Air Temperature (°C)		Relative Humidity (%)	Duration of Monitoring
30°C		52%	8 Hours
RESULTS			
Tests Parameter	Results	NAAQS LIMITS	METHOD
Particulate Matter (PM ₁₀)	82.76	100 µg/m³	IS 5182 (Part 23) 2006 Reaffirmed 2022
Particulate Matter (PM _{2.5})	42.16	60 µg/m³	IS 5182 (Part 24) 2019
Sulphur Dioxide (SO ₂)	21.30	80 µg/m³	IS 5182 Part 2 (2001) Sec 1:2023
Nitrogen Dioxide (NO ₂)	23.93	80 µg/m³	IS 5182 Part 6 (2006) Reaffirmed 2022

Remark: All the measured values are within NAAQS limits.

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

Reviewed by


(QM/DM)
(Shweta Sonawane)

Approved by


Authorized Signatory
(Netra Pawar)

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

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

-----End of Report-----

Ambient Noise Level Monitoring Report

Report No. - EAEPL/N/01/24/00281			Report Date - 07.02.2024
ULR Number: TC1118924000000281F			
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference - RUPL/ARCH/IMPERIA/EAEPL- Q/PMR/119/2023
Site Address	“Raheja Imperia” Plot ‘A’ of Property bearing New CS No. 434 (Old S. No. 1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel Division, Mumbai.		
Nature and Description of Sample	Ambient Noise	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/N/01/24/00281	Sample quantity and packing	Not Applicable
Date of Sampling	30.01.2024	Date of Receipt	Not Applicable
Sampling Procedure	EAEPL/LAB/SOP/04		
Period of Analysis	Not Applicable		
Report for the month	JANUARY, 2024		

Discipline: Chemical

Group: Atmospheric Pollution

Monitoring Locations	Units	Results		CPCB Norms	
		Day Time	Night Time	Day	Night
Near Main Gate	dB(A) Leq.	53.8	42.8	55	45
Centreside of Site	dB(A) Leq.	52.7	41.6	55	45
Near Site Office of Site	dB(A) Leq.	53.4	41.5	55	45
Near Back Side of Site	dB(A) Leq.	53.7	40.3	55	45

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

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

Reviewed by

(QM/DM)
(Shweta Sonawane)

Approved by

Authorized Signatory
(Netra Pawar)

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

-----End of Report-----

Mira Road (Lab): Row House No.2, Shalom Garden, Opp. Kanakia College, Mira Road (E), Thane-401107

Water Sample Analysis Report

Report No. - EAEPL/W/01/24/00282			Report Date –07.02.2024
ULR Number: TC1118924000000282F			
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference – RUPL/ARCH/IMPERIA/EAEPL- Q/PMR/119/2023
Site Address	“Raheja Imperia” Plot ‘A’ of Property bearing New CS No. 434 (Old S. No. 1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel Division, Mumbai.		
Nature and Description of Sample	Tanker Water	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/W/01/24/00282 (Near Main Gate)	Sample quantity and packing	2 L X 1 Nos. PVC Can.
		Sample Preservation	Cool -Transported and stored at 5 °C (± 1°C).
Date of Sampling	31.01.2024	Date of Receipt	31.01.2024
Sampling Procedure	EAEPL/LAB/SOP/02		
Period of Analysis	31.01.2024 to 07.02.2024		
Report for the month	JANUARY, 2024		

Discipline: Chemical

Group: Water

Parameters	Unit	Results	Method
pH	-	7.07	IS 3025 (Part 11) 2022
Turbidity	NTU	< 1.0	IS 3025 (Part 10) 2023
TDS	mg/L	420.0	IS 3025 (Part 16) 2023
Alkalinity	mg/L	306.63	IS 3025 (Part 23) 2023
Chlorides as Cl	mg/L	83.06	IS 3025 (Part 32) 1988 Reaffirmed 2019
Total Hardness	mg/L	230.45	IS 3025 (Part 21) 2009 Reaffirmed 2019
Calcium	mg/L	48.10	IS 3025 (Part 40) 1991 Reaffirmed 2019
Residual chlorine	mg/L	ND	IS 3025 (Part 26) 2021
Sulphate	mg/L	95.62	IS 3025 (Part 24) Sec 1: 2022
Nitrate	mg/L	ND	APHA 4500-NO3 B (23 rd Edition)
Fluoride	mg/L	ND	APHA 4500 F-D (23 rd Edition)
Heavy Metals:			
Iron (Fe)	mg/L	ND	IS 3025 (Part 2) 2019
Copper (Cu)	mg/L	ND	IS 3025 (Part 2) 2019
Zinc (Zn)	mg/L	ND	IS 3025 (Part 2) 2019
Lead (Pb)	mg/L	ND	IS 3025 (Part 2) 2019
Chromium (Cr)	mg/L	ND	IS 3025 (Part 2) 2019

Note: ND – Not Detected

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

Reviewed by


(QM/DM)
(Shweta Sonawane)

Approved by


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.

-----End of Report-----

Water Sample Analysis Report

Report No. - EAEPL/W/01/24/00282			Report Date –07.02.2024
ULR Number: TC1118924000000282F			
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference – RUPL/ARCH/IMPERIA/EAEPL- Q/PMR/119/2023
Site Address	“Raheja Imperia” Plot ‘A’ of Property bearing New CS No. 434 (Old S. No. 1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel Division, Mumbai.		
Nature and Description of Sample	Tanker Water	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/W/01/24/00282 (Near Main Gate)	Sample quantity and packing	250ml X 1 No. St. PP Bottle
		Sample Preservation	Cool -Transported and stored at 5°C (± 1°C).
Date of Sampling	31.01.2024	Date of Receipt	31.01.2024
Sampling Procedure	EAEPL/LAB/MB/SOP/17		
Period of Analysis	03.02.2024 to 05.02.2024		
Report for the month	JANUARY, 2024		

Discipline: Biological

Group: Water

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

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

Authorized Signatory
(Shweta Sonawane)

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

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

-----End of Report-----

Soil Sample Analysis Report

Report No. - EAEPL/S/01/24/00283			Report Date - 07.02.2024
ULR Number: TC1118924000000283F			
Name of Customer	M/s. Raheja Universal Pvt. Ltd.		Reference – RUPL/ARCH/IMPERIA/EAEPL- Q/PMR/119/2023
Site Address	"Raheja Imperia" Plot 'A' of Property bearing New CS No. 434 (Old S. No. 1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel Division, Mumbai.		
Nature and Description of Sample	Soil	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/S/01/24/00283 (Near Centreside of Site)	Sample quantity and packing	1000gm X 1 Zip lock bag
		Sample Preservation	Transported & stored in dry area.
Date of Sampling	31.01.2024	Date of Receipt	31.01.2024
Sampling Procedure	EAEPL/LAB/SOP/03		
Period of Analysis	31.01.2024 to 07.02.2024		
Report for the month	JANUARY, 2024		

Discipline: Chemical

Group: Soil & Rock

Parameters	Unit	Results	Method
pH	--	7.42	IS 2720 (Part 26):1987, Reaffirmed:2021
Electrical Conductivity	µS/cm	910.00	IS 14767:2000, Reaffirmed:2021
Soil Moisture	%	15.61	IS 2720 (Part 02):1973 (Reaffirmed 2020) Oven drying method
Water Holding Capacity	%	24.03	EAEPL/LAB/SOP/SOIL/10
Organic Matter	%	2.88	IS 2720 (Part 22) – 1972 (Reaffirmed 2020)
Chlorides as Cl	mg/kg	86.58	EAEPL/LAB/SOP/SOIL/03
Total Kjeldhal Nitrogen	mg/kg	718.51	IS 14684:1999 (Reaffirmed 2019)
Exchangeable Ca	mg/kg	2379.55	EPA 9080
Exchangeable Mg	mg/kg	274.16	EPA 9080
Sulphate	mg/kg	29.67	IS 2720 (Part 27):1977 (Reaffirmed 2020)
Available Phosphorus	mg/kg	1.73	EAEPL/LAB/SOP/SOIL/11
Sodium (Na)	mg/kg	8229.84	EPA 3050B
Potassium (K)	mg/kg	3203.23	EPA 3050B
Copper (Cu)	mg/kg	122.22	EPA 3050B
Iron (Fe)	mg/kg	63621.13	EPA 3050B
Lead (Pb)	mg/kg	3.94	EPA 3050B
Zinc (Zn)	mg/kg	77.86	EPA 3050B

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

Reviewed by

(QM/DM)
(Shweta Sonawane)

Approved by

Authorized Signatory
(Shilpa Dhamanikar)


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.

-----End of Report-----

MUNICIPAL CORPORATION OF GREATER MUMBAI

DYCHE/36 41 / (B.P.) CITY dated 30th November 2017

Office of the
Dy. Chief Engineer (Bldg. Proposal) City
New Municipal Bldg., Bhagwan Valmiki Chowk,
Vidyalankar Marg, Opp. Hanuman Mandir,
Antop Hill, Wadala (E), Mumbai-400037

To,
M/s. Prakash Cotton Mills Ltd,
G.K. Marg, Lower Parel,
Mumbai.

Sub: Environmental clearance for the Residential project on plot bearing new C.S. No. 434 (old c.s. no. 1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel division, Shankar Rao Naram Path, Lower Parel, Mumbai (Prakash Cotton Mills). (EB/947/GS/A)

Ref: Proposal submitted by Consultant M/s Enviro Analysts and Engineers Pvt. Ltd. On 29/9/2017 & 08/11/2017 (ENV/City/3)

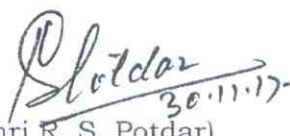
Sir,

Your aforesaid proposal for Environmental Clearance submitted by you through Qualified Building Environment Auditor (QBEA) M/s Enviro Analysts and Engineers Pvt. Ltd. is hereby approved by the undersigned as recommended by Environmental Cell Members of MCGM. A copy of the same duly signed by undersigned is enclosed herewith for information. This approval is valid for a period of 5 year from the date of issue

You are now requested to submit the regular building proposal in consonance with the above said Environmental Clearance approval.

Encl: Appendix II (Form 1A) and Appendix A.

Yours faithfully,


(Shri R. S. Potdar)
Dy. Ch. Engineer
(Building Proposal) City

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

8034

APPENDIX II

(See paragraph 6)

FORM-1 A (only for construction projects listed under item 8 of the Schedule)

CHECK LIST OF ENVIRONMENTAL IMPACTS

(Project proponents are required to provide full information and wherever necessary attach explanatory notes with the Form and submit along with proposed environmental management plan & monitoring programme)

1. Land Environment(Attach panoramic view of the project site & the vicinity)

Sr. No.	EC Members	Particulars	Architect / L.S. / Consultant Remarks Yes / No	Architect / L.S. / Consultant's detail remarks	Attach Clips	EC Members recommendation
1.		LAND ENVIRONMENT (Attach panoramic view of the Project site and the vicinity)				
1.1	Recourse Efficiency Including Building Material	Will the existing land use get significantly altered from the project that is not consistent with the surroundings? (Proposed land use must conform to the approved Master Plan/Development Plan of the area. Change of land use if any and the statutory approval from the competent authority are submitted). Attach	No	<ol style="list-style-type: none"> 1. This is on-going project in the city of Mumbai in G-South ward. 2. The Proposed project is Residential project in residential zone as per DCR. 3. The site is under Jurisdiction of Municipal Corporation of Greater Mumbai. 4. The work of construction 47th floor is already done. 5. The site is having accessibility to the road, sewerage network, storm water etc. 6. The project is in the well developed area having adequate infrastructure. 	<u>Google Image</u> (ANNEXURE I) <u>Layout Plan</u> (ANNEXURE II) <u>Contour Map</u> (ANNEXURE III) <u>DP Sheet</u> (ANNEXURE IV) Site Photographs	Seen


Dy. Chief Eng. (B.P.) City

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

		Maps of (i) site location, (ii) surrounding features of the proposed site (within 500 meters) and (iii) the site (indicating levels & contours) to appropriate scales.			(ANNEXURE V)							
1.2	Recurse Efficiency Including Building Materials	List out all the major project requirements in terms of the land area, built up area, water consumption, power requirement, connectivity, community facilities, parking needs etc.	Yes	<p>Name & location: Expansion of Project 'Raheja Imperia' Plot 'A' of property bearing New C.S.No. 434 (old C.S.No. 1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel Division, situated at Shankar Rao Naram Path, Lower Parel, Mumbai.</p> <p>Proposed Building Details :</p> <table border="1"> <thead> <tr> <th>Building Nos.</th> <th>Previous Configuration</th> <th>Expansion Configuration</th> </tr> </thead> <tbody> <tr> <td>Residential Building No. 1</td> <td>Stilt at Gr. Level for Parking + One Podium + Top of 2nd Podium for Driveway + Stilt + Partly RG + 5 Nos. Car Parking Floors + 41 Nos. Residential Upper Floors having total height of 190.55 mtr.</td> <td>Stilt at Gr. Level for Parking + One Podium + Top of 2nd Podium for Driveway + Stilt + Partly RG with Club House + 5 Nos. Car Parking Floors + 46 Nos. Residential Upper Floors + Multi-purpose room having total height of</td> </tr> </tbody> </table>	Building Nos.	Previous Configuration	Expansion Configuration	Residential Building No. 1	Stilt at Gr. Level for Parking + One Podium + Top of 2 nd Podium for Driveway + Stilt + Partly RG + 5 Nos. Car Parking Floors + 41 Nos. Residential Upper Floors having total height of 190.55 mtr.	Stilt at Gr. Level for Parking + One Podium + Top of 2 nd Podium for Driveway + Stilt + Partly RG with Club House + 5 Nos. Car Parking Floors + 46 Nos. Residential Upper Floors + Multi-purpose room having total height of	Valid EC dtd. 25.03.2014 (ANNEXURE VI)	As proposed
Building Nos.	Previous Configuration	Expansion Configuration										
Residential Building No. 1	Stilt at Gr. Level for Parking + One Podium + Top of 2 nd Podium for Driveway + Stilt + Partly RG + 5 Nos. Car Parking Floors + 41 Nos. Residential Upper Floors having total height of 190.55 mtr.	Stilt at Gr. Level for Parking + One Podium + Top of 2 nd Podium for Driveway + Stilt + Partly RG with Club House + 5 Nos. Car Parking Floors + 46 Nos. Residential Upper Floors + Multi-purpose room having total height of										

Dy. Chief Eng. (B.P.) City

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

		213.95mtrs. upto terrace level & 228.0 mtrs. upto top of elevation crown feature .
Residential Building no:2	Ground floor structure having total height of 3.80 mtr.and BUA of 141.44 sq. mtr.	Ground floor + two residential upper floors having total height of 10.20 mtr.and BUA of 519 sq. mtr.

Area Statement:

Sr. No	Description	As per EC Dtd. 25/03/2014	Expansion
1	Plot Area	22,065.28	22,065.28
2	FSI Area	38,268.59	47,704.16
3	Non FSI Area	53,004.00	55,668.40
4	Total Construction Area	91,272.59	1,00,372.56

A. Parking Statement :

Sr. No	Description	As per EC Dtd. 25/03/2014	Expansion
1	4 Wheelers	702	772
2	4 Wheelers	28	40

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

B. Occupancy Load:

Sr. No	Description	As per EC Dtd. 25/03/2014	Expansion
1	Residential Tenements	234	262
2	Expected Residents/Users	1170	1310

C. Water requirement :**Construction phase :** 50 KLD**Source:** Tanker (depending upon construction activity)**Operation Phase:****Source of Water supply:** -MCGM + Recycled Water

Sr. No	Description	As per EC Dtd. 25/03/2014	Expansion
1	Fresh Water (KLD)	112	148
2	Recycled Water (KLD)	95	91
3	Swing pool make up (KLD)	10	
4	Fire Fighting	As per Fire NOC received for Hydrant system 200 cum & for sprinkler system	

As proposed


Dy. Chief Eng. (B.P.) City 4

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

				D. Power Requirement : Source: TATA/Reliance Operation Phase :										
				<table border="1"> <thead> <tr> <th>Sr. No</th><th>Description</th><th>As per EC Dtd. 25/03/2014</th><th>Expansion</th></tr> </thead> <tbody> <tr> <td>1</td><td>Residential Building</td><td>Connected Load: 6291.94 KW Maximum Demand : 2887.33 KW DG set = 5 x 750 KVA</td><td>Connected Load: 7234 KW Maximum Demand : 3300 KW DG set = 2 x 500 KVA</td></tr> </tbody> </table>	Sr. No	Description	As per EC Dtd. 25/03/2014	Expansion	1	Residential Building	Connected Load: 6291.94 KW Maximum Demand : 2887.33 KW DG set = 5 x 750 KVA	Connected Load: 7234 KW Maximum Demand : 3300 KW DG set = 2 x 500 KVA		
Sr. No	Description	As per EC Dtd. 25/03/2014	Expansion											
1	Residential Building	Connected Load: 6291.94 KW Maximum Demand : 2887.33 KW DG set = 5 x 750 KVA	Connected Load: 7234 KW Maximum Demand : 3300 KW DG set = 2 x 500 KVA											
				Low Sulphur diesel (HSD) will be used as fuel to run standby D.G. sets.										
1.3	Recourse Efficiency Including Building Materials & Environmental Planning including Air quality management	1.3. What are the likely impacts of the proposed activity on the existing facilities adjacent to the proposed site? (Such as open spaces, community facilities, details of the existing land use, disturbance to the local ecology)	No	<p>The project activity has multiplier positive effects on the surrounding area and there will be no impact on existing facilities.</p> <p>The proposed activity improves the basic infrastructure facilities of the area. Open spaces, community facilities are simultaneously being augmented in the surroundings.</p> <p>No rare or endangered species of fauna are reported to exist in the area. There is no disturbance to the local ecology.</p> <p>The impact due to the proposed project may be increase in the traffic loads, increase in the noise levels during construction activities, and dust emissions emanating from various construction activities.</p> <p>Since the project is in the residential zone, there is a provision in DP plan for other infrastructure like open spaces, community facilities etc. in the close vicinity.</p>	--	As proposed								
1.4.	Recourse	Will there is any	No	There is no significant land disturbance due to the	--	As proposed								

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.


FORM-1A

	Efficiency Including Building Materials	significant land distribution resulting in erosion, subsidence & instability? (Details of soil type, slope analysis, vulnerability to subsidence, seismicity etc may be given)		project. The existing terrain is retained.		
1.5	Recourse Efficiency Including Building Materials	Will the proposal involve alteration of natural drainage systems? (Give details on a contour map showing the natural drainage near the proposed project site)	No	The site is almost flat. There will be no alteration of natural drainage, however in the site proper storm water drainage will be provided to prevent flooding. Water storage tanks also proposed.	<u>Contour Map</u> (ANNEXURE III)	As proposed
1.6	Recourse Efficiency Including Building Materials	What are the quantities of earthwork involved in the construction activity-cutting, filling, reclamation etc. (Give details of the quantities of earthwork involved, transport of fill materials from outside the site etc.)	No	Excavation & filling is already done as per the requirement. The soil thus excavated of was backfilled, wherever required, within the project site. Top cover of the soil was preserved and used for developing green belt.	--	As proposed
1.7	Water conservation & Management	Give details regarding water supply, waste handling etc. during the construction period.	Yes	<u>Construction phase:</u> It is expected to house about 50-60 labours at site; <u>SOURCE :</u> Tanker (Depending upon construction activity) <u>Requirement:</u> 50 KLD Temporary sanitary toilets are provided during	--	As proposed

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

				<p>construction. The waste water generated from human settlements is collected in a septic tank and soak pits. Construction debris will be collected and suitably used on site as per construction waste management plan.</p>		
1.8.	Water conservation & Management	Will the low lying areas & wetlands get altered? (Provide details of how low lying and wetlands are getting modified from the proposed activity)	No	No low lying area, no wetlands within 500 m around the site.	--	
1.9.	Waste Management	Whether construction debris & waste during construction cause health hazards? (Give quantities of various types of wastes generated during construction including the construction labour and the means of disposal)	No	<p>The construction debris will include sand, soil bricks and tiles. All this material will be utilized on the same site or used for land fillings or other development sites. No hazardous waste is involved. Precautions are taken to reduce dust generation during construction phase.</p> <ul style="list-style-type: none"> • RMC use eliminates the handling of cement, sand and concrete thus dust emission will be minimized. • RMC use also reduces the trucks trips. • Tarpaulins are used to cover trucks carrying debris. • Water sprinkling is done at regular intervals to reduce control of dust generation. • Hazardous substances like (Cantering oil, formwork oil, wood dust, chemicals, admixtures, sealants, adhesives solvents, paints, pigments, dyes and primers, etc) will be produced during construction phase. The anticipated quantity is expected to be minimal. 	--	As proposed
2.		WATER				


Dy. Chief Eng. (B.P.) City

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

		ENVIRONMENT																							
2.1	Water conservation & Management	Give the total quantity of water requirement for the proposed project with the break-up of requirements for various uses. How will the water requirements met? State the sources & quantities and furnish a water balance statement.	Yes	<p>Total 239 KLD of total water will be required for the project. Water requirement will be fulfilled by MCGM / Recycled water</p> <p>The details of water requirement during operation phase are given below:</p> <table border="1"> <thead> <tr> <th>Requirement</th> <th>Quantity (KLD)</th> </tr> </thead> <tbody> <tr> <td>Domestic</td> <td>148</td> </tr> <tr> <td>Flushing</td> <td>82</td> </tr> <tr> <td>Landscape</td> <td>9</td> </tr> <tr> <td>Total</td> <td>239</td> </tr> </tbody> </table> <p>Sewage Generation:</p> <table border="1"> <thead> <tr> <th>Description</th> <th>Quantity of Sewage generated (KLD)</th> <th>Treatment/ Disposal</th> </tr> </thead> <tbody> <tr> <td>Construction phase</td> <td>10</td> <td>Septic Tank and Soak pit.</td> </tr> <tr> <td>Operational Phase</td> <td>195.03</td> <td>Treated sewage will be used for Flushing and Gardening. Excess treated sewage will be disposed to existing sewer line.</td> </tr> </tbody> </table>	Requirement	Quantity (KLD)	Domestic	148	Flushing	82	Landscape	9	Total	239	Description	Quantity of Sewage generated (KLD)	Treatment/ Disposal	Construction phase	10	Septic Tank and Soak pit.	Operational Phase	195.03	Treated sewage will be used for Flushing and Gardening. Excess treated sewage will be disposed to existing sewer line.	Water Balance Chart (Annexure VII)	As proposed
Requirement	Quantity (KLD)																								
Domestic	148																								
Flushing	82																								
Landscape	9																								
Total	239																								
Description	Quantity of Sewage generated (KLD)	Treatment/ Disposal																							
Construction phase	10	Septic Tank and Soak pit.																							
Operational Phase	195.03	Treated sewage will be used for Flushing and Gardening. Excess treated sewage will be disposed to existing sewer line.																							
2.2	Water conservation & Management	What is the capacity (dependable flow or yield) of the proposed source of water?	Yes	For water supply the project will be dependent on MCGM/recycled water. The source of water for gardening & flushing is dependable one as we will be providing recycled water.	Water Balance Chart (Annexure VII)	As proposed																			
2.3	Water conservation & Management	What is the quality of water required, in case, the supply is not from a municipal	Yes	There is adequate Water supply from Municipal Corporation of Greater Mumbai. There is no chance of scarcity of water supply.	--	As proposed																			

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

		source? (Provide physical, chemical, biological characteristics with class of water quality)																
2.4	Water conservation & Management	How much of the water requirement can be met from the recycling of treated wastewater? (Give the details of quantities, sources and usage)	Yes	Total Recycled water 91 KLD will be used at maximum extent for : <table border="1"> <tr> <td>Flushing</td> <td>82 KLD</td> </tr> <tr> <td>Gardening</td> <td>9 KLD</td> </tr> </table>	Flushing	82 KLD	Gardening	9 KLD	Water Balance Chart (Annexure VII)	As proposed								
Flushing	82 KLD																	
Gardening	9 KLD																	
2.5	Water conservation & Management	Will there be diversion of water from other users? (Please assess the impacts of the project on other existing uses and quantities of consumption)	No	No diversion is anticipated.	-	As proposed												
2.6	Waste Management	What is the incremental pollution load from wastewater generated from the proposed activity? (Give details of the quantities and composition of wastewater generated from the proposed activity)	Yes	The sewage generation from the proposed project will be 195.02 KLD. STP of total capacity 200 KLD will be provided for treating the waste water. Expected Characteristics of Raw Sewage Untreated sewage Characteristics: <table border="1"> <tr> <th>Description values</th> <th>units</th> </tr> <tr> <td>PH</td> <td>6 – 8.5</td> </tr> <tr> <td>Total Suspended Solids</td> <td>180-250 mg/lit</td> </tr> <tr> <td>BOD₅ (27°C)</td> <td>250-400 mg/lit</td> </tr> <tr> <td>COD</td> <td>600-800 mg/lit</td> </tr> </table> Treated Sewage Characteristics. <table border="1"> <tr> <th>Description values</th> <th></th> </tr> </table>	Description values	units	PH	6 – 8.5	Total Suspended Solids	180-250 mg/lit	BOD ₅ (27°C)	250-400 mg/lit	COD	600-800 mg/lit	Description values		Water Balance Chart (Annexure VII)	
Description values	units																	
PH	6 – 8.5																	
Total Suspended Solids	180-250 mg/lit																	
BOD ₅ (27°C)	250-400 mg/lit																	
COD	600-800 mg/lit																	
Description values																		

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

				units PH 6.5- 8.5 Total Suspended Solids Less than 10 mg/lit BOD ₅ (27°C) 20 mg/lit COD Less than 30 mg/lit The pollutant load will be reduced due to recirculation of treated water		
2.7	Water conservation & Management	Give details of the water requirements met from water harvesting? Furnish details of the facilities created.	Yes	12 Nos of recharge pits are will be provided for RWH as per earlier EC condition. A RWH tank of 90 Cum capacity is proposed for the expansion.	RWH Water Calculations (Annexure VIII) RWH Certificate (Annexure IX)	As proposed
2.8	Water conservation & Management	What would be the impact of the land use changes occurring due to the proposed project on the runoff characteristics (Quantitative as well as qualitative) of the area in the post construction phase on a long term basis? Would it aggravate the problems of flooding or water logging in any way?	Yes	The run-offs will be channelized properly through storm water drain and will be diverted to recharging pits. The overflow of this pit will be diverted to the storm water drain. Management plan for Flood is as follows: <ul style="list-style-type: none"> Storm water drain shall be cleaned at regular interval. Demarcating the areas within or leading in or out of the building that will be water logged, flooded or isolated due to the flood. The areas will be marked after completion of the project (as final ground levels etc. will be available after completion). Dewatering pumps shall be installed at vulnerable locations. 	SWD Remarks dtd. 15.09.2014 (Annexure X)	
2.9	Water conservation & Management	What are the impacts of the proposal on the ground water? (Will there be tapping of ground water; give the details of ground water table,	No	There will be no ground water extraction. But, recharging of ground water will be done by rain water harvesting system. For operational phase water demand would be met by a connection from MCGM.	--	As proposed

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

		recharging capacity, and approvals obtained from competent authority, if any)				
2.10	Water conservation & Management	What precautions/measures are taken to prevent the run-off from construction activities polluting land and aquifers? (Give details of quantities and the measures taken to avoid the adverse impacts)	Yes	<p>Run off from the construction will be comparatively less i.e 0.413 m³/sec against the runoff of 0.579 m³/sec during the operation phase. and the run-off from the site will be taken to storm water drainage system. There will not be any pollution of land/aquifer.</p> <p>The following measures will be adopted.</p> <p>Specially during rainy seasons:</p> <p>Construction material will be stored at the earmarked places and will be covered with a temporary shed ensuring that no leachates or spoilage of land occurs.</p> <ul style="list-style-type: none"> • Providing silt trap and bar screen to arrest solid material • The construction waste will be stored at the earmarked place to ensure that the same is not carried away with the storm water. • The rain water entering into the pit will be screened for the removal of heavy silt and other materials. • Diverting up-slope water with turf and not mixing mortar in locations that will drain into storm water system. • Preventing wastewater from brick cutting activities and stockpiles entering the storm water system. • Excavation work will not be carried out during monsoon season. • Cleaning all mud and dirt deposited on roads from construction-related activities. 	--	As proposed
2.11	Recourse Efficiency Including	How is the storm water from within the site managed?	Yes	Storm water drain of adequate size will be provided to manage storm water from within the site. Proper rainwater harvesting structure will be developed and	SWD Remarks dtd. 15.09.2014(Anne	As proposed

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

	Building Materials	(State the provisions made to avoid flooding of the area, details of the drainage facilities provided along with a site layout indication contour levels)		storm water will be used for recharging ground water. RWH tanks of 90 Cum capacity is proposed for the expansion.	xure X) <u>RWH Water Calculations</u> (Annexure VIII)	
2.12	Waste Management	Will the deployment of construction labourers particularly in the peak period lead to unsanitary conditions around the project site (Justify with proper explanation)	Yes	During construction phase the sewage generated is around 15 KLD and is treated in septic tank and soak pit. Hence it does not lead to unsanitary conditions around the project site. <ul style="list-style-type: none"> • Proper sanitation facilities have been provided at site for construction labours and staff. • Temporary toilets with septic tank and soak pit will be provided considering peak labour force • There will be no stagnant water at site, as the runoff will be systematically drained into the storm water line. • The domestic solid waste generated will be disposed off to authorized vendors/local body. • The construction waste generated is filled in low-lying areas within the premises. 	<u>Photographs for Labour Facilities</u> (Annexure XI)	As proposed
2.13	Waste Management	What on-site facilities are provided for the collection, treatment & safe disposal of sewage? (Give details of the quantities of wastewater generation, treatment capacities with technology &	Yes	The waste water generated to the tune of 195.02 KLD will be treated in STP of capacity of 200 KLD and 91 KLD will be used for gardening and flushing purpose the excess 84.52 KLD of treated waste water will be drain into Municipal Sewer line. <u>STP Technology & its details in brief:</u> (MBBR)Moving Bed Bio reactor: Developed at the patrons end with utmost precision, these plants are built using high-grade raw material along with other components procured from the effective sources of the market. Besides, these products are used to for	<u>STP Calculations & Location</u> (ANNEXURE XII)	As proposed

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

		facilities for recycling and disposal)		<p>quick & convenient sewage for various water drainages. Appreciated for corrosion resistance, this range is available at competitive prices.</p> <p>Other details:</p> <ul style="list-style-type: none"> • It is a continuous operating non-clogging bio film reactor • No back washing • Requires low head loss • High specific bio film surface area • Achieved by having the biomass to move along with the water in the reactor • The movement within the reactor is generated by aeration in the aerobic reactor • These bio-film carriers are made of special grade plastic with density close to that of water • The overall efficiencies are 85 to 90%. <p>Sewage specification after treatment in STP.</p> <table border="1"> <thead> <tr> <th>Parameter</th><th>Value</th></tr> <tr> <th></th><th>Before Treatment</th><th>After Treatment</th></tr> </thead> <tbody> <tr> <td>pH</td><td>7 – 8.5</td><td>7.0 – 7.5</td></tr> <tr> <td>BOD (Mg / L)</td><td>250 – 400</td><td>Less than 5 Mg / L</td></tr> <tr> <td>Suspended Solids (Mg / L)</td><td>200 – 450</td><td>Less than 50 Mg / L</td></tr> <tr> <td>COD (Mg / L)</td><td>600 – 800</td><td>Less than 10 Mg / L</td></tr> <tr> <td>Oil & Grease (Mg / L)</td><td>Up to 20</td><td>Less than 5 Mg / L</td></tr> </tbody> </table>	Parameter	Value		Before Treatment	After Treatment	pH	7 – 8.5	7.0 – 7.5	BOD (Mg / L)	250 – 400	Less than 5 Mg / L	Suspended Solids (Mg / L)	200 – 450	Less than 50 Mg / L	COD (Mg / L)	600 – 800	Less than 10 Mg / L	Oil & Grease (Mg / L)	Up to 20	Less than 5 Mg / L		
Parameter	Value																									
	Before Treatment	After Treatment																								
pH	7 – 8.5	7.0 – 7.5																								
BOD (Mg / L)	250 – 400	Less than 5 Mg / L																								
Suspended Solids (Mg / L)	200 – 450	Less than 50 Mg / L																								
COD (Mg / L)	600 – 800	Less than 10 Mg / L																								
Oil & Grease (Mg / L)	Up to 20	Less than 5 Mg / L																								
2.14	Waste Management	Give details of dual plumbing system if treated wastewater is used for flushing of toilets or any other	Yes	There will be separate pipelines for the supply of treated water from STP and the fresh water. Treated water will be used for the flushing purposes and landscaping purposes, while the fresh water will be used for domestic consumption. Colour coding for	Dual Plumbing Drawing (Annexure XIII)	As proposed																				


Dy. Chief Eng. (B.P.) City

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

		use.		dual plumbing system shall be done as per standard practices.		
3		VEGETATION				
3.1.	Recourse Efficiency Including Building Materials	Is there any threat of the project to the biodiversity? (Give a description of the local ecosystem with its unique features, if any)	No	The project site is surrounded by developed roads. The local ecosystem and biodiversity will not be hampered because of this development.	<u>Google Image</u> (ANNEXURE I) <u>DP Sheet</u> (ANNEXURE IV)	As proposed
3.2	Recourse Efficiency Including Building Materials	Will the construction involve extensive clearing or modification of vegetation? (Provide a detailed account of the trees & vegetation affected by the project)	No	There is not cutting of trees for the development. As per Tree NOC issued, (Ref. Ref. DYSG/TA/MC/44/25-04-2012, CASE NO-288/11-12) Out of total 31 trees, 10 trees are permitted to transplant on site. Out of which 3 trees has been transplanted. Total proposed trees: 288 nos.	<u>Tree NOC</u> (Annexure XIV)	As proposed
3.3	Recourse Efficiency Including Building Materials	What are the measures proposed to be taken to minimize the likely impacts on important site features (Give details of proposal for tree plantation, landscaping, creation of water bodies etc along with a layout plan to an appropriate scale)	Yes	Proposed landscape will improve the environment. RG on the ground (paver) : 600 Sq. m RG on the podium (paver+unpaved) : 5845.32 Sq. m The plot area under development is 22065.28 sq. mts. and @ 1 tree for 80 Sq. m., the tree plantation required are 276 Nos. of trees. No. of proposed trees: 288 No's	<u>RG Details and RG Drawing</u> (Annexure XV)	As proposed
4.		FAUNA				
4.1	Environment	Is there likely to be	No	There will be no displacement of fauna - both	--	

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

	al Planning including Air quality management	any displacement of fauna – both terrestrial and aquatic or creation of barriers for their movement? Provide the details.		terrestrial and aquatic and there will be no barrier on their movement. There is no endangered species found except the local species.		As proposed
4.2	Environment al Planning including Air quality management	Any direct or indirect impacts on the avifauna of the area? Provide details.	No	There will be no impact on the avifauna (birds) of the area. The site was not found to be nesting/breeding/feeding ground for any significant bird species. The trees planted may attract birds in the future creating a positive impact on the avifauna.	--	As proposed
4.3	Environment al Planning including Air quality management	Prescribe measures such as corridors, fish ladders etc to mitigate adverse impacts on fauna.	No	The project is located on landmass and there is no need to provide corridors and fish ladders etc.	--	As proposed
5.		AIR ENVIRONMENT				
5.1	Environment al Planning Including Air Quality Management	Will the project increase atmospheric concentration of gases & result in heat islands? (Give details of background air quality levels with predicted values based on dispersion models taking into account the increased traffic generation as a result	No	The proposed project activity will not increase any atmospheric concentration of gases and result in heat islands. Air emissions will increase due to vehicular movements.	--	As proposed

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.


FORM-1A

		of the proposed constructions)				
5.2	Environmental Planning Including Air Quality Management	What are the impacts on generation of dust, smoke, odorous fumes or other hazardous gases? Give details in relation to all the meteorological parameters.	Yes	There is burning of fuel through D.G. sets, traffic movements, operation of construction machines / equipment and domestic activities at site. Construction activities lead to dust generation, emission of NO ₂ and SO ₂ . However, the impacts on the ambient air quality during construction phase are temporary and reversible in nature (for short duration) and are restricted to only a small area. During operation phase, D.G. set will be having adequate stack height, there will be development of green-area and maintenance of vehicles, all these efforts will reduce the impact.	--	As proposed
5.3	Transport Planning and management.	Will the proposal create shortage of parking space for vehicles? Furnish details of the present level of transport infrastructure and measures proposed for improvement including the traffic management at the entry and exit to the project site	No	The proposed project will provide sufficient parking to its occupants and visitors. Adequate measures have been proposed to manage the traffic within and outside the site. A main entry point will be provided. The vehicular traffic movement within the complex will be such that it will not disturb the landscaped areas and organized open spaces. Entry and exit will be provided to ensure that no hindrance is caused to the site traffic.	<u>Traffic Study Report</u> (Annexure XVI)	As proposed. However, no. of parking spaces, maneuverability of vehicles & requisite dimensions in parking layout shall be scrutinized as per prevailing policy & relevant DCR/IRC regulations by competent authority of local body.
5.4	Transport Planning and Management	Provide details of the movement patterns with internal roads, bicycle tracks, pedestrian pathways,	Yes	Roads of sufficient width will be provided. Necessary arrangements will be made for smooth entry and exit of vehicles.	<u>Traffic Study Report</u> (Annexure XVI)	Traffic congestion near the entry & exit points from the roads adjoining the

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

		footpaths etc., with areas under each category				proposed project site must be avoided. Parking should be fully internalized & no public space should be utilized.
5.5	Transport Planning and Management	Will there be significant increase in traffic noise & vibrations? Give details of the sources and the measures proposed for mitigation of the above.	No	As the entry and exit will be made safe and smooth, there will be no noise and vibrations due to increased traffic. During construction activity vehicular movement is the major source of Noise & Vibrations. While during Operational Phase D.G sets, machines and vehicular movement will be the major source.	<u>Traffic Study Report</u> (Annexure XVI)	
5.6	Environmental Planning Including Air Quality Management	What will be the impact of D.G. sets & other equipment on noise levels & vibration in & ambient air quality around the project site? Provide details.	No	The D.G. sets will be installed at ground level and will be enclosed in acoustic enclosures to reduce the impact of noise generated from the D.G. set. As the reliability of main source is most reliable, DG set use will be for periodical checks and for mock drill.	<u>DG set location</u> (Annexure XVII)	As proposed
6.		AESTHETICS				
6.1	Recourse Efficiency Including Building Materials	Will the proposed constructions in any way result in the obstruction of a view, scenic amenity or landscapes? Are these considerations taken into	No	The proposed construction activity does not result in the obstructions of a view, scenic amenity or landscapes. But better designed structure and well planned landscape for add up aesthetics of that zone.	--	As proposed


Dy. Chief Eng. (B.P.) City

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

		account by the proponents?				
6.2	Recourse Efficiency Including Building Materials	Will there be any adverse impacts from new constructions on the existing structures? What are the considerations taken into account?	No	There will be no adverse impact due to expansion of existing construction.	--	As proposed
6.3	Recourse Efficiency Including Building Materials	Whether there are any local considerations of urban form & urban design influencing the design criteria? They may be explicitly spelt out.	No	The design of the project is influenced by the regulation set out by local authority and modern needs of the society.	--	As proposed
6.4	Recourse Efficiency Including Building Materials	Are there any anthropological or archaeological sites or artefacts nearby? State if any other significant features in the vicinity of the proposed site have been considered.	No	No anthropological or archaeological sites or artefacts are found near the site area.	--	As proposed
7		SOCIO- ECONOMIC ASPECTS				
7.1	Recourse Efficiency Including Building Materials	Will the proposal result in any changes to the demographic structure of local population? Provide the details.	No	There will be no change to the demographic structure of local population due to the proposed activity. The expected population will be 1310 Nos. The proposed project shall provide value addition to the existing infrastructure, as due to development of this Project facility such as public transport, water supply, telex communications, power lines, road	--	As proposed

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

				maintenance etc. shall be upgraded in and around the project premises. The project is situated in the Residential zone and hence there will be no change in demographic structure.		
7.2	Recourse Efficiency Including Building Materials	Give details of the existing social infrastructure around the proposed project.	No	Proposed project is located within the Residential zone of high urban infrastructure region.	--	As proposed
7.3	Recourse Efficiency Including Building Materials	Will the project cause adverse effects on local communities, disturbance to sacred sites or other cultural values? What are the safeguards proposed?	No	The proposed project will not cause any adverse effects on local communities, disturbance to sacred sites or other cultural values.	--	As proposed
8		BUILDING MATERIALS				
8.1	Recourse Efficiency Including Building Materials	May involve the use of building materials with high-embodied energy. Are the construction materials produced with energy efficient processes? (Give details of energy conservation measures in the selection of building materials and their energy	No	The basic engineering materials like aggregate, cement, sand and bricks/blocks will be purchased locally. Energy conservation measures in the selection of building materials and their energy efficiency : Cement shall be used which already contains Fly ash, Construction materials from nearest source are chosen to minimize energy consumption for transportation.	--	As proposed

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

		efficiency)										
8.2	Recourse Efficiency Including Building Materials	Transport and handling of materials during construction may result in pollution, noise & public nuisance. What measures are taken to minimize the impacts?	Yes	Adequate mitigative measures are adopted. Construction equipment's with idling control technologies will be used. Regular maintenance of the equipments is carried out. The construction activities are carried out during the daytime only. The workers exposed to high noise generating equipments are provided with ear plugs and ear muffs. Spraying of water is carried out regularly to mitigate fugitive dust emissions.	--	As proposed						
8.3	Recourse Efficiency Including Building Materials	Are recycled materials used in roads and structures? State the extent of savings achieved?	No	Demolished debris and construction material will be recycled in the same or other development site.	--	As proposed						
8.4	Waste Management	Give details of the methods of collection, segregation & disposal of the garbage generated during the operation phases of the project.	Yes	<p>The solid waste management facility will be proposed as per MSW rules. Garbage will be collected manually from each of the building in the garbage collection room. The garbage collected from area will be segregated into wet and dry garbage.</p> <p><u>Operation Phase:</u></p> <table border="1"><tr><td>Total solid wastes</td><td>1083.7 Kg/Day</td></tr><tr><td>Biodegradable waste</td><td>664.2 Kg /Day</td></tr><tr><td>Non-Biodegradable waste.</td><td>419.5 Kg/Day</td></tr></table> <p><u>Treatment & Disposal :</u></p> <ul style="list-style-type: none">• The biodegradable waste 664.2 Kg/Day will be processed in OWC.• Non- Biodegradable waste will be handed over to local vendors. <p>Sludge Quantity= 1 Kg Dry sewage sludge will be used as manure for</p>	Total solid wastes	1083.7 Kg/Day	Biodegradable waste	664.2 Kg /Day	Non-Biodegradable waste.	419.5 Kg/Day	<p><u>Solid Waste Calculations</u> (Annexure XVIII)</p>	As proposed
Total solid wastes	1083.7 Kg/Day											
Biodegradable waste	664.2 Kg /Day											
Non-Biodegradable waste.	419.5 Kg/Day											

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

9		ENERGY CONSERVATION		gardening.					
9.1	Energy Efficiency & Renewable Energy	Give details of the power requirements, source of supply, backup source etc. What is the energy consumption assumed per square foot of build-up area? How have you tried to minimize energy consumption?	Yes	<p>Power requirement: Source: TATA/Reliance Operation Phase :</p> <table border="1"> <tr> <td>1</td> <td>Residential Building</td> <td>Connected Load: 7234 KW Maximum Demand : 3300 KW DG set = 2 x 500 KVA</td> </tr> </table> <p>Low Sulphur diesel (HSD) will be used as fuel to run standby D.G. sets. To minimize the energy consumption, solar energy will be utilized as much as possible.</p> <p>Energy conservation measures:</p> <ul style="list-style-type: none"> • Purchase of energy efficient appliance. • Use of common Area lights, luminary in landscaping area with LED Light Fixtures only. • 50% internal common area like Staircase + lobby lights lighting are proposed to work on solar power energy system of 25 KW Capacity on terrace. • All external Area Pole lights shall be working with Solar PV Power Panel. Total Installed Solar PV Panels for Pole Lights shall be 10KW in Capacity. • Parking area lighting shall be LED and partly on solar. The use of better performance glazing, AAC blocks, as well as the provision of 	1	Residential Building	Connected Load: 7234 KW Maximum Demand : 3300 KW DG set = 2 x 500 KVA	Energy Calculations (Annexure XIX)	Recommended as proposed, however it needs to be ensured that solar energy is utilized to the maximum extent possible.
1	Residential Building	Connected Load: 7234 KW Maximum Demand : 3300 KW DG set = 2 x 500 KVA							

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

				<p>overhangs and canopies as sun shades which shall reduce the direct heat gains on the building envelope, is proposed.</p> <ul style="list-style-type: none"> This shall considerably reduce solar heat gains in the building through building orientation. 20% of Hot Water requirements shall be catered by Solar Hot Water System of 6550 KLD to be installed on Terrace. 		
9.2	Energy Efficiency & Renewable Energy	What type of, and capacity of, power back-up to you plan to provide?	Yes	2 X 500 KVA D.G. sets will be provided. Low Sulphur diesel (HSD) will be used as fuel to run standby D.G. sets.	--	Recommended as proposed
9.3	Energy Efficiency & Renewable Energy	What are the characteristics of the glass you plan to use? Provide specifications of its characteristics related to both short wave and long wave radiation?	Yes	DGUs is used for buildings. They are very good for heat insulation as they do not allow the inside air to go out or the outside heat to come in. It acts as a barrier. This helps in energy saving and reducing recurring electrical costs. Also, it provides very good sound insulation.	--	Recommended as proposed
9.4	Energy Efficiency & Renewable Energy	What passive solar architectural features are being used in the building? Illustrate the applications made in the proposed project.	Yes	Building orientation, wall to window ratio and thermal properties of envelop are being looked into reduce solar heat gain and provide natural light and adequate ventilation to reduce humidity.	--	Building orientation, wall to window ratio and thermal properties of envelop shall be designed in such manner that complies with the statutory provisions.
9.5	Energy	Does the layout of	Yes	Yes. Solar lights will be provided for common	Energy	It is noted that

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

	Efficiency & Renewable Energy	streets and buildings maximize the potential for solar energy devices? Have you considered the use of street lighting, emergency lighting and solar hot water systems for use in the building complex?		amenities like Street lighting, Garden lighting, Parking & Staircase Areas. The roof shall be insulated so that there will not be direct heat gain due to sunlight.	Calculations (Annexure XIX)	solar lights are being provided for common lighting, however it would have been more appropriate if total load which is proposed to be served by solar power would have been identified.
9.6	Energy Efficiency & Renewable Energy	Is shading effectively used to reduce cooling/heating loads? What principles have been used to maximize the shading of Walls on the East and West and the Roof? How much energy saving has been effected?	Yes	Depending upon the site condition/location, efforts will be made by the Architects to maximize the shading of Walls on the East and West and the Roof.	--	Recommended as proposed.
9.7	Energy Efficiency & Renewable Energy	Do the structures use energy-efficient space conditioning, lighting and mechanical systems? Provide technical details. Provide details of the transformers and motor efficiencies, lighting intensity and air-conditioning load	Yes	All the electrical installations and structures will confirm to energy efficiency norms.	--	Recommended as proposed that all the electrical installations and structures shall confirm to energy efficiency norms.

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

		assumptions? Are you using CFC and HCFC free chillers? Provide specifications.				
9.8	Environmental Planning including Air quality management	What are the likely effects of the building activity in altering the microclimates? Provide a self assessment on the likely impacts of the proposed construction on creation of heat islands & inversion effects?	No	There will not be any effect of the building activity in altering the microclimates particularly creation of heat islands & inversion effects.	--	As proposed
9.9	Energy Efficiency & Renewable Energy	What are the thermal characteristics of the building envelope? (a) roof; (b) external walls; and (c) Fenestration? Give details of the material used and the U-values or the R-values of the individual components	Yes	Roof will be of high quality concrete as per the NBC rules 2005.	--	Recommended as proposed.
9.10	Recourse Efficiency Including Building Materials	What precautions & safety measures are proposed against fire hazards? Furnish details of emergency plans.	Yes	Adequate fire protection facilities will be installed including fire detectors, fire alarm and fire fighting system to guard the building against fires. All fire protection facilities will be designed as per the latest National Building Code and according to Chief Fire Officer, MCGM.	Fire NOC (Annexure XX)	As proposed
9.11	Energy Efficiency &	If you are using glass as wall	Yes	No glass will be used for walls, but only for windows.	--	Noted

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

	Renewable Energy	material, provide details and specifications including emissivity and thermal characteristics.				
9.12	Environmental Planning Including Air Quality Management	What is the rate of air infiltration into the building? Provide details of how you are mitigating the effects of infiltration.	Yes	Proper ventilation will be providing in rooms. Air changes/hour is as per Bureau of Indian Standards (National Building Code, 2005).	<u>Calculation for Openable Area as a Percentage of Carpet Area</u> (Annexure XXI)	As proposed
9.13	Energy Efficiency & Renewable Energy	To what extent the non-conventional energy technologies are utilised in the overall energy consumption? Provide details of the renewable energy technologies used.	Yes	Every effort will be made to generate and use non-conventional energy and renewable energy, depending upon the circumstances and chances of generating energy. Solar energy utilisation is the major part of that.	--	It shall be ensured that renewable energy technologies are used to the maximum extent possible for power supply to the common amenities.
10.		ENVIRONMENT MANAGEMENT PLAN				
	Environmental Planning Including Air Quality Management	The Environment Management plan would consist of mitigation measures for each item wise activity to	Yes	The Environment Management Plan would consist of all mitigation measures for each item wise activity to be undertaken during the construction, operation and the entire life cycle to minimize adverse environmental impacts as a result of the activities of the project. It would also delineate the environmental	<u>EMP Plan</u> (Annexure XXII) <u>Environmental Management Cell Details</u>	As proposed

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

FORM-1A

	& Energy Efficiency & Renewal Energy. & Waste Management (Solid & Liquid)	beundertaken during theconstruction, operation and theentire life cycle to minimizeadverse environmental impactsas a result of the activities of theproject. It would also delineatethe environmental monitoring plan for compliance of various environmental regulations. It will state the steps to be taken in case of emergency such as accidents at the site including fire.		monitoring plan for compliance of various environmental regulations. It will state the steps to be taken in case of emergency such as accidents at the site including fire. The detailed EMP for the proposed project is given below. Environmental Management Cell is formed. <u>DETAILED EMP:</u> <table border="1" data-bbox="996 510 1534 869"> <thead> <tr> <th>Parameter</th> <th>Total Set Up Cost (in Lakhs)</th> <th>O & M Cost Per Yr (in Lakhs)</th> </tr> </thead> <tbody> <tr> <td>STP Cost</td> <td>27</td> <td>7.1</td> </tr> <tr> <td>RWH</td> <td>55</td> <td>1.5</td> </tr> <tr> <td>Energy Saving</td> <td>20</td> <td>1.5</td> </tr> <tr> <td>Landscaping</td> <td>19</td> <td>3</td> </tr> <tr> <td>Solid Waste Management</td> <td>18</td> <td>3..65</td> </tr> <tr> <td>Total</td> <td>139</td> <td>19.74</td> </tr> </tbody> </table>	Parameter	Total Set Up Cost (in Lakhs)	O & M Cost Per Yr (in Lakhs)	STP Cost	27	7.1	RWH	55	1.5	Energy Saving	20	1.5	Landscaping	19	3	Solid Waste Management	18	3..65	Total	139	19.74	(Annexure XXIX)	
Parameter	Total Set Up Cost (in Lakhs)	O & M Cost Per Yr (in Lakhs)																									
STP Cost	27	7.1																									
RWH	55	1.5																									
Energy Saving	20	1.5																									
Landscaping	19	3																									
Solid Waste Management	18	3..65																									
Total	139	19.74																									


 Dy. Chief Eng. (B.P.) City

Appendix-A

Environmental Condition for Building and Construction.

Category 3
(50,000 to 1,50,000 sq.mt.)

Sr. No	Medium	Environmental Cell Member	Environmental Condition	Architect's Remarks		Consultant's remarks	Attach clip	Recommendation by EC members
				Yes	No			
1.	Topography and Natural Drainage	Water Conservation and Management.	<p>a) The natural drain system is maintained for ensuring unrestricted flow of water.</p> <p>b) No construction shall be allowed to obstruct the natural drainage through the site.</p> <p>c) No construction is allowed on wetland and water bodies.</p> <p>d) Check dams, bio-swales, landscape and other sustainable urban drainage system (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.</p> <p>e) Buildings shall be designed to follow the natural topography as much as possible.</p> <p>f) Minimum cutting and filling should be done.</p>	Yes		<p>Storm water drainage network for the project is proposed as per the existing contours and final outfall is being sent to existing Storm water drain.</p> <p>The site is almost flat.</p> <p>There is no alternation in the existing drainage pattern of the area.</p> <p>Adequacy of drain is examined. The complete study of the storm water drain passing through the plot is done and the work of laying storm water drain shall be done as per the approval of Local Body.</p> <p>Complied.</p> <p>There was no cutting filling involved.</p> <p>Due care is proposed in design to maintain the natural topography of the site.</p>	<p><u>Google Image</u> (ANNEXURE I)</p> <p><u>Lavout Plan</u> (ANNEXURE II)</p> <p><u>Contour Map</u> (ANNEXURE III)</p>	


Dy. Chief Eng. (B.P.) City

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

APPENDIX-A

2.	Water conservation, rain water harvesting & ground water recharge	Water Conservation and Management.	<p>a) A complete plan for rain waterharvesting, water efficiency and conservation is prepared.</p> <p>b) Use of water efficient appliances, should be promoted with low flowfixtures or sensors.</p> <p>c) If local bye-laws provisions are not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Bye-Law, 2016.</p> <p>d) A rain water harvesting plan is designed where the recharge bores (minimum one recharge bore per 5,000 square meters of built up area) is recommended.</p> <p>e) The Storage and reuse of the rain promoted.</p> <p>f) In areas where ground water recharge is not feasible, the rain water should be harvested and reuse.</p> <p>g) The ground water shall not be withdrawn without taking approval Competent Authority.</p> <p>h) All recharge should be limited to shall aquifer.</p>	Yes	<p>RWH tanks of 90 Cum considering two days capacity is proposed for the expansion. Total 12 nos. of RWH pits have been provided as per earlier EC.</p> <p>The geological investigation report revealed that, the ground water table is at depths between 2.7 meter and 3.5 meter below ground surface.</p> <p>Water from these Rain water harvesting tanks will be utilized for the domestic purpose of the project.</p> <p>No ground water withdrawal for the project is proposed. 12Nos of recharge pits are already provided for RWH as per earlier EC condition.</p>	<p><u>RWH Calculations</u> (ANNEXURE VIII)</p> <p><u>Geographical Survey Report</u> (ANNEXURE XXIII)</p>	As proposed
2(a)	--	Recourse Efficiency	a) At least 20% of the open spaces as required by the local	Yes	Total RG area required as per DCR is 5,032.00 Sq.m.	<u>RG Details & Drawing</u>	As proposed


Dy. Chief Eng. (B.P.) City

		Including Building Materials	building bye-laws shall be pervious. b) Use of Glass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.			The proposed RG area under green belt is 5245.32 Sq. m. which comprises of paved and unpaved R.G. on podium as approved by MCGM The paved RG area on the ground is : 600 Sq.m. No basement is proposed hence entire open space around the podium at ground level is treated as pervious surface.	(ANNEXURE XV)	
2(b)	--	Water Conservation and Management	a) Use of water efficient appliances should be promoted. b) Low flow fixtures or sensors be used to promote water conservation.	Yes		Yes, will be provided.	-	As proposed
2(c)	--	Water Conservation and Management	a) Separation of grey and black water should be done by the use of dual plumbing system. b) In case of single stack system, separate recirculation lines for flushing by giving dual plumbing system be done.			Dual Plumbing system for domestic and treated water is proposed.	<u>Dual Plumbing Drawing</u> (ANNEXURE XIII)	As proposed
3.	Solid Waste Management	Waste Management	Solid waste: a) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. b) The provisions of the Solid Waste (Management) Rules	Yes		3 bin system as per SWM rules 2016 is proposed. Dedicated area at ground level for the storage treatment and disposal of segregated waste from the project is proposed. OWC for treatment of 664.2	-	


 Dy. Chief Eng. (B.P.) City

DYCHE/ 3641 /(B.P.) CITY dt- 30/11/2017

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

APPENDIX-A

			2016 and the e-waste (Management) Rules 2016 and the Plastics Waste (Management) Rules 2016 shall be followed.			Kg/day biodegradable waste is proposed.		
3(a)		Waste Management	a) All non-biodegradable waste shall be handed over to authorized recycles for which a written tie up must be done with the authorized recycles.	Yes		Non-biodegradable waste proposed to be handed over to local recyclers.	-	
3(b)		Waste Management	a) Organic waste compost / Vermiculture pit with a minimum capacity of 0.3 kg/person/day	Yes		Calculation is on the basis of total waste of 0.5 kg/person/day and biodegradable waste of 0.3 kg /person/day. OWC of adequate capacity is proposed for total quantity biodegradable waste. CPHEEO norms are enclosed for reference	-	
4.	Sewage Treatment Plan	Waste Management	<p>Sewage:</p> <p>a) Onsite sewage treatment of capacity of treating 100% waste water to be installed.</p> <p>b) Treated waste water shall be reused on site for landscape, flushing, cooling tower and other end – uses.</p> <p>c) Excess treated water shall be discharged as per CPCB norms.</p> <p>d) Natural treatment system shall be promoted.</p> <p>Sludge :</p> <p>a) Sludge from the onsite</p>	Yes		<p>Total sewage generation from the project will be 195.02 KLD.</p> <p>Sewage Treatment Plant of 200 KLD for treating 100% waste water is proposed.</p> <p>Treated waste water shall be reused on site for landscape and flushing. Excess treated water shall be discharged as per CPCB norms.</p> <p>Yes, sludge from sewage treatment plant will be used as fertilizer for gardening</p>	<p><u>Water Balance Chart</u> (ANNEXURE VII)</p> <p><u>STP Calculations & Location</u> (ANNEXURE XII)</p>	


Dy. Chief Eng. (B.P.) City

			sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organisation(CPHEEO) Manual on Sewerage and Sewage Treatment System, 2013.				
5.	Energy	Energy Efficiency & Renewable Energy	<p>a) Compliance with the Energy Conservation Building Code(ECBC) of Bureau of Energy Efficiency shall be ensured.</p> <p>b) Buildings in the States which have notified their own ECBC,shall comply with the State ECBC.</p> <p>c) Outdoor and common arealighting is of Light Emitting Diode (LED).</p> <p>d) Concept of passive solar design that minimize energy consumption in buildings byusing design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the buildingdesign.</p>	Yes	<p>The proposal complies with the ECBC norms of BEE. All internal common area like Staircase + lobby lights lighting are proposed to work on solar power energy system on terrace and lights on should be high energy. Parking area lighting shall be LED and partly on solar. The use of better performance glazing, AAC blocks, as well as the provision of overhangs and canopies as sun shades which shall reduce the direct heat gains on the building envelope, is proposed. This shall considerably reduce solar heat gains in the building through building orientation Separate ECBC study report is attached and submitted. Building is pre certified as</p>	<p>ECBC Sheet (Annexure XXIV)</p> <p>IGBC Certificate (Annexure XXVII)</p>	Recommended as proposed.


 Dy. Chief Eng. (B.P.) City

DYCHE/ 3641 / (B.P.) CITY Dt:- 30/11/2017

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

APPENDIX-A

			e) Wall, window and roof u-values shall be as per ECBC specifications.			GOLD by IGBC.		
5(a)	--	Energy Efficiency & Renewable Energy	a) Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level / local building by-laws requirement, whichever is higher.	Yes		Solar energy of the proposed expansion shall meet electricity generation equivalent to 1% of the demand load. Total 2.3 KW of Solar PV installations is proposed at terrace level and will be used for terrace external lighting.	<u>Solar Energy Calculations</u> (ANNEXURE XXV)	Recommended as proposed.
5(b)	--	Energy Efficiency & Renewable Energy	a) Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. b) Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.	Yes		The solar water heating system is provided for the proposed expansion to meet 20% of the hot water demand. The total hot water proposed for heating is 6.55 KL which is 20% of hot water demand	<u>Solar Water Heating Calculations</u> (ANNEXURE XXVI)	Recommended as proposed.
5(c)	--	Energy Efficiency Including Building Materials	a) Use of environmental friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. b) These include fly ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks,	Yes		Fly ash bricks, AAC blocks shall be used along with other environment friendly materials during construction phase. Fly ash bricks shall be used for construction.	--	Recommended as proposed.


Dy. Chief Eng. (B.P.) City

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

APPENDIX-A

			Compressed earth blocks, and other environment friendly materials. c) Fly ash should be used as building material in the construction as per the provisions of the Fly Ash Notification of September, 1999 as amended from time to time.					
6.	Air Quality and Noise	Environmental Planning Including Air Quality Management	a) Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. b) These measures shall include screens for the building under construction, continuous dust/wind breaking walls all around the site (at least 3 meter height). c) Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site. Wheel washing for the vehicles used be done. d) Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution. e) Wet jet shall be provided for	Yes		Ambient Air Quality monitoring was done to check background air quality data. Also noise monitoring was done to check the noise levels. Site specific Environmental management plan is prepared & followed for control of environmental pollution during construction phase. Dust suppression and barricading the site (6 m height) for containing dust within the site only. Loading and unloading activities from plastic /tarpaulin sheet covered vehicles are monitored for reducing air pollution. Watersprinkling is done at regular interval for dust suppression shall be carried out at site. Transport of construction	<u>EMP Sheet (ANNEXURE XXII)</u> <u>Site Logistic Plan (ANNEXURE XXVIII)</u> <u>Calculation for Openable Area as a Percentage of Carpet Area (Annexure XXI)</u> <u>Air Quality & Noise Reports (ANNEXURE XXX)</u> <u>Incremental Concentration due to proposed</u>	As proposed


Dy. Chief Eng. (B.P.) City

DYCHE/ 3641 / (B.P.) CITY dt:- 30/11/2017

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

APPENDIX-A

			<p>grinding and stone cutting.</p> <p>f) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.</p> <p>g) All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed.</p> <p>h) All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.</p> <p>i) All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.</p> <p>j) For indoor air quality the ventilation provisions as per National Building Code of India.</p>		<p>material is scheduled during non peak hours only to avoid inconvenience /accident probability for the nearby resident and traffic congestion.</p> <p>Transport of material outside the project is carried out in covered trucks.</p> <p>Regular environmental monitoring is carried out to keep a check on the compliance of the proposed mitigation and prevailing regulatory standards.</p> <p>Only PUC certified vehicles are allowed within the project site.</p> <p>Washing of the trucks tires is done before leaving the site.</p> <p>Transport of debris shall be done in covered trucks for disposal as per Construction and Demolition Waste Rules 2016.</p> <p>Dust suppression measure is included in debris management plan sheet.</p> <p>Construction debris is stored at dedicated place within the project site and regularly water sprinkled and kept covered.</p> <p>Good construction practice will be followed at site.</p>	<p>project (ANNEXURE XXXI)</p>	
--	--	--	--	--	--	--	--


Dy. Chief Eng. (B.P.) City

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

APPENDIX-A

					<p>Worker working at construction site shall be provided with all necessary PPE like helmets, dusk mask, ear plugs etc.</p> <p>There will not be any major changes in air quality due to operation of proposed DG sets.</p> <p>Building proposed is designed considering adequate indoor light and ventilation as per NBC of India.</p>		
6(a)	--		a) The location of the DG set and exhaust pipe height shall be as per the provisions of the CPCB norms.	Yes	Complied	<u>DG set location</u> (Annexure XVII)	As proposed
7.	Green Cover	Recourse Efficiency Including Building Materials	<p>b) A minimum of 1 tree for every 80 sq.mt. of land should be planted and maintained.</p> <p>c) The existing trees will be counted for this purpose.</p> <p>d) Preference should be given to planting native species.</p>	Yes	<p>The plot area under development is 22065.28 sq. mts. and @ 1 tree for 80 Sq. m., the tree plantation required are 276 Nos. of trees.</p> <p>Total 288 Nos. of native tree species are proposed for plantation.</p> <p>Out of total existing 31 trees, 10 trees are permitted to be transplanted on site, of which 3 trees have been transplanted.</p>	<u>RG Details and RG Drawing</u> (Annexure XV)	As proposed


Dy. Chief Eng. (B.P.) City

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

APPENDIX-A

7(a)	--	Recourse Efficiency Including Building Materials	a) Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of 3 trees for every 1 tree that is cut) shall be done and maintained.	No	No tree cutting is proposed.	-	As proposed
8.	Top Soil preservation and reuse	Environmental Planning Including Air Quality Management	a) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. b) It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.	Yes	Topsoil is already reused in plot levelling.	-	As proposed
9.	Transport	Transport Planning and Management	a) A comprehensive mobility plan, as per MOUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. b) Road should be designed with due consideration for environment, and safety of users. c) The road system can be designed with these basic criteria. 1. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.	Yes	Traffic management plan for the proposed project and provision according to it will be made so as to minimize the impact of the proposed project on the surrounding road network. Traffic report enclosed herewith. Separate pedestrian walkway along with separate min. Internal driveways are proposed for smooth vehicular movement. No. of proposed flats for amendment/expansion = 28 No's Proposed No's of parking for amendment/expansion = 70	<u>Traffic Study Report</u> (Annexure XVI)	As proposed. However, no. of parking spaces, maneuverability of vehicles & requisite dimensions in parking layout shall be scrutinized as per prevailing policy & relevant DCR/IRC regulations by competent authority of local body.


Dy. Chief Eng. (B.P.) City

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

APPENDIX-A

			2. Traffic calming measures. 3. Proper design of entry and exit points. 4. Parking norms as per local regulation.			No's. car parking Parking already provided as per earlier EC is 702 Nos. car parking All points are submitted in the traffic study and incorporated in the proposal.		Traffic congestion near the entry & exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized & no public space should be utilized.
10.	Environment and Management Plan	Environment Planning Including Air Quality Management	a) An environmental management plan (EMP) shall be prepared and implemented to ensure compliance with the environmental conditions specified in item number 1 to 9 above. b) A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. c) The environmental cell shall ensure that the environment infrastructure like Sewage Treatment Plant, Landscaping, Rain Water Harvesting, Energy efficiency and conservation, water efficiency and conservation,	Yes		EMP is prepared and will be implemented to ensure the EC condition compliance. Environmental Management Cell is created. Separate budgetary allocation for the same shall be made for the project. Regular environmental monitoring as per schedule will be carried out.	EMP Sheet (Annexure XXII) <u>Environmental Management Cell Details</u> (Annexure XXIX)	As proposed


Dy. Chief Eng. (B.P.) City

Proposed Expansion of Residential Project,
By Prakash Cotton Mills Pvt. Ltd.

APPENDIX-A

			solid waste management, renewable energy etc. are kept operational and meet the required standards. d) The environmental cell shall also keep the record of environment monitoring and those related to the environment infrastructure.					
--	--	--	--	--	--	--	--	--


Dy. Chief Eng. (B.P.) City

Government of Maharashtra

SEAC-2012/CR- 115/TC-2
Environment department
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai- 400 032.
Dated: 25th March, 2014

To,
M/s. Raheja Universal Ltd.
Raheja Centre Point,
294, CST Road, Near Mumbai University,
Kalina, Santacruz (East), Mumbai

Subject: Environmental clearance for Proposed Residential Project at Sub Plot 'A' of Property bearing New CS No.434 (old S.No.1/433, 434, 435,1/435, 470,471,472) of Lower Parel Division, Mumbai by M/s. Raheja Universal 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 1st, 4th 13th & 14th meetings decided to 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 62nd & 66th Meetings.

2. It is noted that the proposal is for grant of Environmental Clearance for Proposed Residential Project at Sub Plot 'A' of Property bearing New CS No.434 (old S.No.1/433, 434, 435,1/435, 470,471,472) of Lower Parel Division, Mumbai. SEAC considered the project under screening category 8(a) B2 as per EIA Notification 2006.

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

Name of Project	Proposal for construction of Residential Building 'Raheja Imperia', in Lower Parel, Mumbai
Name of Proponent	M/s. Raheja Universal Ltd.
Consultant	Aditya Environmental Services Pvt. Ltd
Type of project	Housing Project
Location of the project	Plot 'A' of property bearing New C.S.No. 434 (old C.S.No. 1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel Division, situated at Shankar Rao Naram Path, Lower Parel, Mumbai
Total Plot Area	Total Plot Area: 22,065.28 Sq m
Deductions	Deductions: 751.67 Sq m
Net Plot Area	Net Plot Area: 21,313.61 Sq m
Permissible (including TDR etc.)	FSI 38,268.59 Sq m
Proposed Built-up Area (FSI & Non-FSI)	<ul style="list-style-type: none">• FSI area (sq. m.): 38,268.59 Sq m• Non FSI area (sq. m.): 53004.00 Sq m• Total BUA area (sq. m.): 91272.59 Sq m

Ground coverage Percentage (%)	58 %
Estimated cost of the project	450 Crores
No. of buildings & its configuration	1 Residential Building Building comprises of Stilt at Gr.level for parking + one Podium+ top of 2 nd Podium for Driveway + Stilt + partly RG + 5nos Car parking floors + 41 Nos. Residential upper floors having total height of 190.55mts. 1 Single Structure One Ground Floor Structure
No. of expected residents /users	Residents 1170 Nos Visitors and servants 351 Nos Clubhouse 200 Nos
Tenant density/ hectare	532
Height of the building (s)	190.55 mts
Right of the way	13.40 mts.
Turning radius	12.00M
Total Water Requirement	Dry season: <ul style="list-style-type: none"> • Fresh water (CMD): & Source:112 cmd • Recycled water (CMD):95 cmd • Total Water Requirement (CMD):207 • Swimming pool make up (Cum): 10 cmd • Fire fighting (Cum): As per Fire Noc received For Hydrant system 200 cum & for sprinkler system. Wet Season: <ul style="list-style-type: none"> • Fresh water (CMD): & Source: 112 cmd , • Recycled water (CMD): 72.cmd (Irrigation water supply deducted) • Total Water Requirement (CMD): 184.96 cmd • Swimming pool make up (Cum): 10 cmd • Fire fighting (Cum): As per Fire Noc received For Hydrant system 200 cum & for sprinkler system.100 cmd
Rain Water Harvesting (RWH)	Size, no of recharge pits and Quantity: Size of percolation pit: Recharging Pit: 3Mt x 3Mt x 3Mt Depth, (collection tank with borewell),12 nos Grease cum desilting chamber: 2Mt x 0.9Mt x 2Mt depth • Budgetary allocation (Capital cost and O&M cost) Cap: 60 lakh O& M 72,000/-
Storm Water Drainage	Natural water drainage pattern: Gravity swd drain channel Quantity of storm water: 0.579 cum/sec. Size of SWD: 600mm Wide & depth = 1.3m+0.3m F.B.

Sewage and Waste water	<ul style="list-style-type: none"> • Sewage generation (CMD): 159.03 cmd • STP technology: SAFF Technology • Capacity of STP (CMD): 160 cmd • Location of STP: Please refer drawing • DG sets (during emergency): 2 nos. 750KVA & during emergency for common load only 750kva-2Nos. • Budgetary allocation (Capital cost and O&M cost) Cap : 128lacs Op : 16 lacs/anum 										
Solid waste Management	<ul style="list-style-type: none"> • Quantity of the top soil to be preserved: The top soil generated shall be preserved and used for landscaping • Disposal of the construction way debris: Debris generated during construction will be collected at one place and will be disposed off to MCGM approved land filling sites. <p>Waste generation in the operation Phase: 695 Kg/day</p> <ul style="list-style-type: none"> • STP Sludge (Dry sludge) (Kg/day):0.127 kg/day • Biodegradable waste (Kg/day): 428 Kg/day • Non biodegradable waste (Kg/day): 267 Kg/day <p>Mode of Disposal of waste: Wet and dry garbage will be segregated.</p> <ul style="list-style-type: none"> • Dry waste: Dry garbage will be further segregated into recyclable and non-recyclable, Dry Garbage will be handed over to the authorized recycler • The biodegradable waste will be converted to compost using OWC:. • STP Sludge (Dry sludge): The dried sludge will be used as manure for gardening <p>Area requirement: Location(s) and total area provided for the storage and treatment of the solid waste: West side at P0 Level. (Approx 57 sq mts.)-168 m² Budgetary allocation (Capital cost and O&M cost) Cap 12 lacs O & M 1.2 lac</p>										
Green Belt Development	<p>Total RG area: Required as per DCR = 5032.00 Sq.Mt</p> <p>RG area under green belt: Proposed</p> <ul style="list-style-type: none"> • RG on the ground (sq. m.): 600 sq.mt • RG on the podium (sq. m.): 5835 sq.mt <p>Plantation:</p> <table border="1" data-bbox="626 1780 1328 1969"> <tr> <td>Existing trees on site</td><td>31</td></tr> <tr> <td>Trees to be retained</td><td>21</td></tr> <tr> <td>Trees to be transplanted</td><td>10</td></tr> <tr> <td>New trees to be planted</td><td>368</td></tr> <tr> <td>Hence total number of trees</td><td>399</td></tr> </table> <p>4. Budgetary allocation (Capital cost and O&M cost)</p>	Existing trees on site	31	Trees to be retained	21	Trees to be transplanted	10	New trees to be planted	368	Hence total number of trees	399
Existing trees on site	31										
Trees to be retained	21										
Trees to be transplanted	10										
New trees to be planted	368										
Hence total number of trees	399										

	Cap 4 lacs O & M 1 lac																		
Energy	<p>Power supply:</p> <ul style="list-style-type: none">• Maximum demand: 2887.33 KW• Connected load: 6291.94 KW• Source: Public source and DG sets• Detail calculations & % of saving: 43.34%• Budgetary allocation (Capital cost and O&M cost): CAPEX : 320 Lacs OPEX : 16 LacsDG Set:<ul style="list-style-type: none">• Number and capacity of the DG sets to be used: 750KVA x 5 nos• Type of fuel used: Diesel																		
Traffic Management	<p>Nos. of the junction to the main road & design of confluence: One Parking details:</p> <table><tr><td>Level</td><td>Area</td><td>Car Park</td></tr><tr><td>P0</td><td>11503 sq.mt</td><td>251</td></tr><tr><td>P1</td><td>11583 sq.mt</td><td>251</td></tr><tr><td>P2</td><td>1629 sq.mt</td><td>20</td></tr><tr><td>P3</td><td>1927 sq.mt</td><td>12</td></tr><tr><td>CP(1)-CP(5)</td><td>2583 x 5 sq.mt (12,915 sq.mt)</td><td>24</td></tr></table> <ul style="list-style-type: none">• Total Parking area: 24192 sq.mt• Area per car: 34.46 sq.mt• 2-Wheeler: - 28 nos.• Parking required as per MCGM 468+117(25% visitors+117(25%)) <p>Parking (4-Wheeler) proposed : 702 Nos</p> <ul style="list-style-type: none">• Public Transport <p>Width of all Internal roads (m): 12.00M TO 18.00M</p>	Level	Area	Car Park	P0	11503 sq.mt	251	P1	11583 sq.mt	251	P2	1629 sq.mt	20	P3	1927 sq.mt	12	CP(1)-CP(5)	2583 x 5 sq.mt (12,915 sq.mt)	24
Level	Area	Car Park																	
P0	11503 sq.mt	251																	
P1	11583 sq.mt	251																	
P2	1629 sq.mt	20																	
P3	1927 sq.mt	12																	
CP(1)-CP(5)	2583 x 5 sq.mt (12,915 sq.mt)	24																	

Environmental Management plan Budgetary Allocation		Capital	O & M (per annum)
	Water sprinkling	5 lac	--
	STP	32 lac	8.64 lac
	RWH	60 lacs	72,000
	RG	4 lacs	1 lac
	Solid Waste	12 lacs	1.2 lac

3. The proposal has been considered by SEIAA in its 62nd & 66th meetings & 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 :

- (i) This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.
- (ii) PP has to abide by the conditions stipulated by SEAC & SEIAA.
- (iii) 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.
- (iv) "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.
- (v) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- (vi) 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.
- (vii) 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.
- (viii) 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.
- (ix) The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material

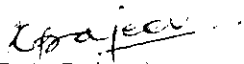
- (x) Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.
- (xi) Arrangement shall be made that waste water and storm water do not get mixed.
- (xii) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- (xiii) Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
- (xiv) Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- (xv) 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.
- (xvi) 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.
- (xvii) 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.
- (xviii) 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.
- (xix) 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.
- (xx) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
- (xxi) 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.
- (xxii) 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.
- (xxiii) 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).
- (xxiv) Ready mixed concrete must be used in building construction.
- (xxv) 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.
- (xxvi) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xxvii) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xxviii) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.

- (xxix) 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. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
- (xxx) Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc.
- (xxxi) 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.
- (xxxii) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
- (xxxiii) 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.
- (xxxiv) 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.
- (xxxv) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement
- (xxxvi) 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.
- (xxxvii) 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.
- (xxxviii) 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.
- (xxxix) 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.
- (xl) 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
- (xli) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.

- (xlii) 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.
- (xliii) 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.
- (xliv) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.
- (xlv) A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
- (xlvi) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
- (xlvii) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xlviii) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
- (xlix) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://ec.maharashtra.gov.in>.
- (l) 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.
- (li) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (lii) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (liii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
- (liv) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution

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

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 , Van Vigyan Bhawan, Sec- 5, R.K. Puram, New Dehli – 110 022, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


(R.A. Rajeev)
Principal 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, 'Paryavaran Bhawan' CGO Complex, Lodhi Road, New Delhi – 110510
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. Commissioner, Municipal Corporation Greater, Mumbai (MCGM).
7. Collector, Mumbai.
8. Regional Office, MPCB, Mumbai
9. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
10. Select file (TC-3).

(EC Uploaded on 25/3/14)



MAHARASHTRA POLLUTION CONTROL BOARD

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



Kalpataru Point, 2nd and 4th floor,
Opp. Cine Planet Cinema, Near Sion
Circle, Sion (E), Mumbai-400022

No:- Format1.0/CAC-CELL/UAN No.0000075020/CE 1912000102

Date: 04/12/2019

To,
M/s Raheja Universal (P.) Ltd.,
Plot A, New C.S.No. 434 (old C.S.No. 1/433, 434, 435, 1/435, 470, 471, 472),
Lower Parel Division, Shankar Rao Naram Path, Lower Parel, Mumbai 400 013.

Sub: Grant of Consent to Establish for proposed expansion of Residential construction Project "Raheja Imperia" under Red Category

- Ref:**
1. Environment Clearance accorded by Env. Dept GoM vide No. SEAC-2012/CR-115/TC-2 dtd. 25/03/2014.
 2. Previous Consent to Establish accorded by Board vide No. Format 1.0/BO/CAC-Cell/EIC-MU-6189-14/E/CAC-2365 dtd. 02/03/2015.
 3. Environment Clearance No. DYCHE/3641/(B.P.) CITY dtd. 30/11/2017.
 4. Minutes of Consent Appraisal Committee meeting held on 22/10/2019.

Your application No.MPCB-CONSENT-0000075020 Dated 15.06.2019

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

1. The Consent to Establish is granted for a period upto commissioning of project or upto 31-10-2024 whichever is earlier.
2. The capital investment of the project is Rs.485.15 Crs. (As per undertaking submitted by pp).
3. The Consent to Establish is valid for proposed expansion of Residential construction Project "Raheja Imperia" of M/s Raheja Universal (P.) Ltd. at plot bearing Plot A, New C.S.No. 434 (old C.S.No. 1/433, 434, 435, 1/435, 470, 471, 472), Lower Parel Division, Shankar Rao Naram Path, Lower Parel, Mumbai 400 013 on total plot area 22,065.28 sq. mtrs. for increase in total construction BUA from 91,272.59 sq. mtrs. to 1,00,372.56 sq. mtrs. (i.e. for additional construction BUA 9,099.97 sq. mtrs.) as per Environment Clearance and construction permission issued by Local Body including utilities and services.
4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr No	Description	Permitted (in CMD)	Standards to	Disposal
1.	Trade effluent	Nil	NA	NA
2.	Domestic effluent	172.03	As per Schedule -I	The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air-conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening and connected to local body sewer line.

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

Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
S-1 & S-2	DG Sets (2x500 KVA)	5	As per Schedule -II
S-3 to S-7	DG Sets (5x750 KVA)	5.5	As per Schedule -II

6. Conditions under Solid Waste Rules, 2016:



Maharashtra Pollution Control Board

5de745590605292ea96e95eb

Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Biodegradable waste	664.2 Kg/Day	OWC followed by composting	Used as manure for gardening
2	Non-Biodegradable waste	419.5 Kg/Day	Sagregate/ Recycle	Handover to local authorized vendor
3	STP Sludge	10 Kg/Day	--	Used as manure for gardening

7. Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:

Sr No	Category No.	Quantity	UoM	Treatment	Disposal
1	5.1 Used /spent oil	0.6	MT/A	Recycle	Sale to Auth. Party/ Re-processor

- This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
- PP shall re-validate Environment Clearance for expansion from the Competent Authority i.e. Env. Dept., GoM.
- PP shall provide STP so as to achieve the treated domestic effluent standard for the parameter BOD-10 mg/lit.
- The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air-conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening and connected to local body sewer line with water metering system.
- PP shall install organic waste digester along with composting facility/bio-digester (biogas) with composting facility for the treatment of wet garbage.
- PP shall obtain NOC from MCGM for disposal of construction debris at specific site inspected and approved by Municipal Corporation.
- PP shall top-up/submit BG of Rs. 25 Lakh (including existing BGs of Rs. 12 Lakh) towards compliance of EC and Consent to Establish conditions.
- Consent is issued without prejudice to the order passed as may be passed by the Hon'ble Supreme Court of India in special leave petition Civil No. D23708/2017.
- This Consent is issued with the overriding effect on earlier Consent to Establish accorded by Board vide No. Format 1.0/BO/CAC-Cell/EIC-MU-6189-14/E/CAC-2365 dtd. 02/03/2015.

For and on behalf of the
Maharashtra Pollution Control Board.

(E. Ravendiran IAS),
Member Secretary

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	50000.00	5451988	15/06/2019	NEFT
2	25000.00	5457319	18/11/2019	NEFT

Paid Consent to Establish fees of Rs. 9,00,100/- (DD No. 079636 dtd. 02/09/2014) for C.I. of Rs. 450 Crs.

Copy to:

- Regional Officer, MPCB, Mumbai and Sub-Regional Officer, MPCB, Mumbai
- They are directed to ensure the compliance of the consent conditions.
- Chief Accounts Officer, MPCB, Sion, Mumbai
- CC-CAC Desk- for record & website updating purpose.



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A) As per your application, you have proposed to provide MBBR based Sewage Treatment Plants (STPs) of combined capacity **200 CMD for treatment of domestic effluent of 172.03 CMD.**

B) The Applicant shall operate the sewage treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr. No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for pH
1.	BOD (3 days 27o C)	10
2.	Suspended Solids	20
3.	COD	50
4.	Residual Chlorine	1ppm

C) The treated domestic effluent shall be 60% recycled for secondary purposes such as toilet flushing, air-conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening and connected to local body sewer line with water metering system. In no case, effluent shall find its way outside Project's premise.

- 2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.
- 3) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 4) **The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, and other provisions as contained in the said act.**

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	223.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00

- 5) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.



SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

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

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM
S-1 & S-2	DG Sets (2x500 KVA)	Acoustic Enclosure	5	HSD	250 Kg/Hr
S-3 to S-7	DG Sets (5x750 KVA)	Acoustic Enclosure	5.5	HSD	787.5 Ltr/Hr

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

Total Particular matter	Not to exceed	150 mg/Nm ³
-------------------------	---------------	------------------------

- 3) The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
- 4) The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
- 5) **Conditions for utilities like Kitchen, Eating Places, Canteens:-**
- 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.
 - 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 a way that no nuisance is caused to neighbors.



SCHEDULE-III
Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C2E	2500000	Within 15 days	Towards compliance of the Environmental Clearance & Consent to Establish conditions	31.10.2024	28.02.2025

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.
Existing BG obtained for above purpose if any may be extended for period of validity as above.

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						



SCHEDULE-IV

Conditions during construction phase

A	During construction phase, applicant shall provide temporary sewage disposal and MSW facility for staff and worker quarters.
B	During construction phase, the ambient air and noise quality should be closely monitored to achieve Ambient Air Quality Standards and Noise by the project proponent through MoEF approved laboratory.
C	Noise 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.

General Conditions:

- 1 The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2 The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act 1986 and Solid Waste Management Rule 2016, Noise (Pollution and Control) Rules, 2000 and E-Waste (Management & Handling Rule 2011).
- 3 Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 4 Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 5 Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Applicant should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Applicant should make efforts to bring down noise level due to DG set, outside their premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 6 Solid Waste - The applicant shall provide onsite municipal solid waste processing system & shall comply with Solid Waste Management Rule 2016 & E-Waste (M & H) Rule 2011.
- 7 Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 8 Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.
- 9 The treated sewage shall be disinfected using suitable disinfection method.
- 10 The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 11 The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.

MAHARASHTRA POLLUTION CONTROL BOARD

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



Kalpataru Point, 3rd & 4th floor, Sion- Matunga
Scheme Road No. 8, Opp. Cine Planet Cinema, Near
Sion Circle, Sion (E),
Mumbai - 400 022

Consent order No :- Format 1.0/BO/CAC-cell/EIC-MU-6189-14/E/CAC-2365
Date- 02/03/2015

To,
M/s. Raheja Universal Pvt. Ltd,
Raheja Centre Point, 294 CST Road, Kalina,
Kalina, Santacruz (E)
Mumbai- 400098

Subject: Consent to Establish for Proposed Residential Building project in orange category.
Ref :

1. EC granted by GOM vide no-SEAC-2012/CR-115/TC-2 DT: 25.03.2014
2. Your application approved in 24th CAC meeting of 2014-15 held on 21.1.2015

Your application CE1409000433

Dated: 04.09.2014

For: Consent to Establish

under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The Consent to Establish is granted for a period up to commissioning of the project or 5 years whichever is earlier.
2. The proposed capital investment of the project is Rs. 450 Crs. (As per undertaking submitted by PP).
3. The Consent to Establish is valid for construction of Proposed Residential Development project (club house and a ground +1 unit) named as "Raheja Imperia" of M/s. M/s Raheja Universal Ltd, Plot A of property bearing new CS no. 434 (old C.S. no. 1/433, 434, 435, 1/435, 470, 471, 472) of Lower Parel division, situated at Shankar Rao Naram path, Lower Parel, Mumbai on total plot area 22065.28 Sq.mtrs. and total Construction area (FSI+Non-FSI) 91272.59 sq.mtrs including utilities and services as per construction commencement certificate issued by local body.
4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	NIL	NA	NA
2.	Domestic effluent	159.03	As per Schedule - I	60% recycle for flushing, gardening and remaining discharge to municipal sewer line.

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

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	DG sets (5 x 750KVA)	5	As per Schedule -II

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have proposed to install Sewage Treatment Plant (STP) with the design capacity of 160 CMD .

B] The Applicant shall operate the sewage treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

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

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

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

- The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.
- The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	00
2.	Domestic purpose	112 (fresh) and 95 (recycled)
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	00

- The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.



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

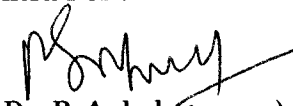
Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Bio degradable waste	428 Kg/Day	OWC	Use as manure
2	Non Biodegradable	267 kg/Day	Segregation	Sale to authorized vendor
3	STP sludge	0.127 Kg/day		Use as manure

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

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1.	Waste Oil / Spent Oil from DG set	33.3	0.6	MT/Y	—	Authorised recycler/ reprocessor

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. PP shall submit the affidavit within 15 days in the prescribed format regarding the compliance of conditions of EC clearance and C to E
11. The applicant shall comply with the conditions stipulated in Environmental clearance granted by GOM vide no- SEAC-2012/CR-115//TC-2 DT: 25.03.2014.
12. PP shall submit Board Resolution from company Board, towards starting of construction work without obtaining consent to establish from the MPC Board thus violated the provisions of Environmental Laws and in future, they will not do such violations and shall submit BG of Rs. 2 lakh within 15 days of issue of consent towards submission of Board resolution within 30 days of issue of consent.

For and on behalf of the
Maharashtra Pollution Control Board


(Dr. P. Anbalagan, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1.	9,00,100/-	079636	2.9.2014	HDFC Bank Ltd

Copy to:

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

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

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

Sr. No	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
1	DG sets (5 x 750KVA)	Acoustic enclosure	5.5* each	HSD	163.2 Liters/Hr each	1	78.336 each

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

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time.
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

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

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



Schedule-III
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
	Proposed					
1	Consent to Establish	Rs. 10 lakh	15 days from date of issue of consent	Towards compliance of consent conditions	Upto Commissioning or 5 years which ever is earlier	Five years from date of issue of consent
2		Rs. 2 lakh		Towards submission of Board Resolution with 30 days of issue of consent	30 days from issue of consent	Till submission of Board Resolution

Schedule-IV

Conditions during construction phase:

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

General Conditions:

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

MAHARASHTRA POLLUTION CONTROL BOARD

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



Kalpataru Point, 2nd and
4th floor, Opp. Cine Planet
Cinema, Near Sion Circle,
Sion (E), Mumbai-400022

No:- Format1.0/CAC-CELL/UAN No.0000086797/CO - 2007001646

Date: 29/07/2020

To,
M/s Raheja Universal (P) Ltd., Plot A, New
C.S.No. 434 (old C.S.Nos. 1/433, 434, 435,
1/435, 470, 471, 472), Lower Parel
Division, Shankar Rao Naram Path, Lower
Parel, Mumbai - 400013.

**Sub: Grant of 1st Consent to Operate for Residential Building Project
"Raheja Imperia-I" under Red Category**

- Ref:** 1. Environment Clearance accorded by Env. Dept., GoM vide No. SEAC-2012/CR-115/TC-2 dtd. 25/03/2014.
2. Environment Clearance for expansion No. DYCHE/3641/(B.P.) CITY dtd. 30/11/2017.
3. Consent to Establish No. Format 1.0/CAC-Cell/EIC MU-6189-14/E/CAC-2365 dtd. 02/03/2015.
4. Consent to Establish for expansion No. Format 1.0/CAC-Cell/UAN No. 0000075020/CE-1912000102 dtd. 04/12/2019.
5. Minutes of Consent Appraisal Committee meeting held on 13 & 15/06/2020.

Your application NO. MPCB-CONSENT-0000086797

For: grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / Renewal of Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the Consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I,II,III & IV annexed to this order:

- The 1st Consent to Operate is granted for a period up to 30.06.2021**
- The capital investment of the project is Rs.481.24 Crs. (As per C.A Certificate submitted by industry).**
- The Consent to Operate is valid for Residential Building Project "Raheja Imperia-I" of M/s Raheja Universal (P) Ltd. at plot bearing Plot A, New C.S.No. 434 (old C.S.Nos. 1/433, 434, 435, 1/435, 470, 471, 472), Lower Parel Division, Shankar Rao Naram Path, Lower Parel, Mumbai - 400013 on total plot area 22,065.28 sq. mtrs. for total construction BUA 1,00,372.56 sq. mtrs. as per Environment Clearance granted dtd. 30/11/2017 and construction permission issued by Local Body including utilities and services.**
- Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (In CMD)	Standards to Disposal	
1.	Trade effluent	Nil	NA	NA



Maharashtra Pollution Control Board

5f2111d9a023ff3c89003e1a

Sr No	Description	Permitted	Standards to	Disposal
2.	Domestic effluent	195	As per Schedule - I	60% recycle for secondary purposes and remaining for gardening and/or connected to Local Body Sewer Line with water metering system

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

Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
S-1 & S-2	DG Sets (2 X 500 KVA)	2	As per Schedule -II

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

Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Biodegradable waste	664.2 Kg/Day	OWC followed by composting	Used as Manure
2	Non-Biodegradable waste	419.5 Kg/Day	Sagregation	Auth. Vendor/ Local Body
3	STP Sludge	20 Kg/Day	Drying	Used as Manure

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No.	Quantity	UoM	Treatment	Disposal
1	5.1 Used /spent oil	100	Ltr/A	Recycle	Sale to Auth. Party/ Recycler

- The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
- PP shall comply Environment Clearance (EC) & Consent conditions and shall submit undertaking in Board's prescribed format within 15 days towards compliance of the same.
- PP shall submit the undertaking within 15 days in the prescribed format towards the part of the built up area/building for which application for 1st Consent to Operate is made and that the same is included in the Environmental Clearance accorded.
- PP shall operate STP to achieve treated domestic effluent standard for the parameter BOD- 10 mg/lit.
- The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air-conditioning, cooling tower make up, firefighting etc. and remaining shall be utilised on land for gardening and/or connected to Local Body Sewer Line with water metering system.
- PP shall operate organic waste digester along with composting facility and compost obtained shall be used as manure in their own garden/ plantation.
- PP will be responsible for proper operation & maintenance of pollution control systems for initial period of five years after Society formation and afterwards handover the facility to the Society for its further operation in good and working conditions.
- PP shall provide bus transport for residents/ employees to the extent possible directly or indirectly through the operator so as to reduce traffic congestion and resultant in reduction of air pollution.



Maharashtra Pollution Control Board

5f2111d9a023ff3c89003e1a

- 17 PP shall submit extend existing BG of Rs. 25 Lakh towards operation and maintenance of pollution control systems and towards compliance of the Consent conditions.

For and on behalf of the
Maharashtra Pollution Control Board.

(E. Raveendran IAS),
Member Secretary

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	962480.00	5458652	13/01/2020	RTGS

Copy to:

1. Regional Officer, MPCB, Mumbai and Sub-Regional Officer, MPCB, Mumbai I
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC-CAC Desk- for record & website updating purpose.





SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A) As per your application, you have provided MBBR based Sewage Treatment Plants (STPs) of combined capacity **200 CMD for treatment of domestic effluent of 195 CMD.**
- B) The Applicant shall operate the sewage treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr. No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for pH
1.	BOD (3 days 27o C)	10
2.	Suspended Solids	20
3.	COD	50
4.	Residual Chlorine	1ppm

- C) The treated domestic effluent shall be 60% recycled for secondary purposes such as toilet flushing, air-conditioning, cooling tower make up, firefighting etc. and remaining shall be utilised on land for gardening and/or connected to Local Body Sewer Line with water metering system.
- 2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.
- 3) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 4) **The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, and other provisions as contained in the said act.**

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	230.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00

- 5) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.



SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

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

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM
S-1 & S-2	DG Sets (2 x 500 KVA)	Acoustic Enclosure/ Stack	5	HSD	250 Kg/Hr

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

Total Particular matter	Not to exceed	150 mg/Nm ³
-------------------------	---------------	------------------------

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

- a) The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
- b) The toilet shall be provided with exhaust system connected to chimney through ducting.
- c) The air conditioner shall be vibration proof and the noise shall not exceed 68 dB(A).
- d) 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 a way that no nuisance is caused to neighbors.



SCHEDULE-III
Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C2O	2500000	Existing	Towards O & M of pollution control system & compliance of consent to operate	30.06.2021	31.10.2021

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.
Existing BG obtained for above purpose if any may be extended for period of validity as above.

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						



SCHEDULE-IV

General Conditions:

- 1 The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2 The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act 1986 and Solid Waste Management Rule 2016, Noise (Pollution and Control) Rules, 2000 and E-Waste (Management & Handling Rule 2011.
- 3 Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 4 Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 5 Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
- 6 Solid Waste - The applicant shall provide onsite municipal solid waste processing system & shall comply with Solid Waste Management Rule 2016 & E-Waste (M & H) Rule 2011.
- 7 Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 8 Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.
- 9 The treated sewage shall be disinfected using suitable disinfection method.
- 10 The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 11 The applicant shall make an application for renewal of the consent at least 60 days before date of the expiry of the consent.

MAHARASHTRA POLLUTION CONTROL BOARD

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



Kalpataru Point, 2nd and
4th floor, Opp. Cine Planet
Cinema, Near Sion Circle,
Sion (E), Mumbai-400022

Infrastructure/RED/L.S.I

No:- Format1.0/CC/UAN No.0000128126/CR/2207000135

Date: 03/07/2022

To,

M/s Raheja Universal (P) Ltd., Plot A, New C.S.No. 434
(old C.S.Nos. 1/433, 434, 435, 1/435, 470, 471, 472),
Lower Parel Division, Shankar Rao Naram Path, Lower
Parel, Mumbai.



Your Service is Our Duty

Sub: Renewal of Consent to Operate for Construction Project.

- Ref:**
1. Application Submitted by SRO-Mumbai-I
 2. Earlier Consent to Operate having No-CAC-Cell/UAN No-86797/CO-2007001646, Dtd-29.07.2020.
 3. Minutes of 3rd CC Meeting dtd-24.05.2022

Your application NO. MPCB-CONSENT-0000128126

For: grant of Consent to Renewal under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / Renewal of Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I,II,III & IV annexed to this order:

1. **Renewal of Consent to Operate is Valid upto-30.06.2023**
2. **The capital investment of the project is Rs.481.24 Cr. (As per C.A Certificate submitted by industry).**
3. **The Consent to Renewal is valid for Renewal of Consent to Operate for Construction Project. named as M/s Raheja Universal (P) Ltd.,Plot A, New C.S.No. 434 (old C.S.Nos. 1/433, 434, 435, 1/435, 470, 471, 472),Lower Parel Division, Shankar Rao Naram Path, Lower Parel, Mumbai - 400013. on Total Plot Area of 22065.28 Sq.Mtrs for construction BUA of 99310.00 Sq.Mtrs as per EC granted dated-30.11.2017 including utilities and services**

Sr.No	Permission Obtained	Plot Area (SqMtr)	BUA (SqMtr)
1	Environmental Clearance issued dtd-30.11.2017	22065.28	100372.56
2	Consent Operate issued-dtd-29.07.2020	22065.28	100372.56

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal
1.	Trade effluent	Nil	NA	NA

Sr No	Description	Permitted	Standards to	Disposal
2.	Domestic effluent	195	As per Schedule - I	60% recycle for secondary purposes and remaining for gardening and/or connected to Local Body Sewer Line with water metering system

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

Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
S-1	DG Set- 500 KVA	1	As per Schedule -II
S-2	DG Set- 500 KVA	1	As per Schedule -II

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

Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Biodegradable waste	664.2 Kg/Day	OWC followed by composting	Used as Manure
2	Non-Biodegradable waste	419.5 Kg/Day	Sagregation	Auth. Vendor/ Local Body
3	STP Sludge	20 Kg/Day	Drying	Used as Manure

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No.	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	100	Ltr/A	Recycle	Sale to Auth. Party/ Recycler

- The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
- PP shall comply with the conditions stipulated in Environmental Clearance and consent conditions and extend BG of Rs. 25 Lakhs towards compliance of the same.
- PP shall install online monitoring system to the O/L of STP for monitoring for parameters pH, Flow, BOD, TSS.
- The treated domestic effluent shall be 60 % recycled for secondary purpose such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and reaming shall be utilized on land for gardening and connected to the sewerage system provided by local body.
- Project Proponent shall operate and maintain Organic waste digester with composting facility or Biogas digester with composting facility.
- Project Proponent shall make provision of charging port for Electric vehicles in at least 40% total available parking area.
- PP shall submit Bank Guarantee of amount 25.71 Lakhs (5 times of one term fees x No of years of violation). The same shall be forfeited as PP has not obtained renewal of consent after 30.06.2021, thus violated the consent conditions.

16. PP shall provide bus transport for residents/ employees to the extent possible directly or indirectly through the operator so as to reduce traffic congestion and resultant in reduction of air pollution.

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	1924960.00	MPCB-DR-9362	11/01/2022	NEFT

Copy to:

1. Regional Officer, MPCB, Mumbai and Sub-Regional Officer, MPCB, Mumbai I
 - They are directed to ensure the compliance of the consent conditions.
 - They are directed to extend the existing B.G. of Rs.25.0 Lakhs and obtain and forfeit the B.G. of Rs.25.71 Lakhs towards not obtaining renewal within time.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC-CAC Desk- for record & website updating purpose.



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have provided MBBR based Sewage Treatment Plants (STPs) of combined capacity **200 CMD for treatment of domestic effluent of 195 CMD.**
- B] The Applicant shall operate the sewage treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr.No	Parameters	Limiting concentration not to exceed in mg/l, except for pH
1	pH	5.5-9.0
2	BOD	10
3	COD	50
4	TSS	20
5	NH4 N	5
6	N-total	10
7	Fecal Coliform	less than 100

- C] The treated domestic effluent shall be 60% recycled for secondary purposes such as toilet flushing, air-conditioning, cooling tower make up, firefighting etc. and remaining shall be utilised on land for gardening and/or connected to Local Body Sewer Line with water metering system.
- 2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.
- 3) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 4) **The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, and other provisions as contained in the said act.**

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	230.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00

- 5) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

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

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1	DG Set-500 KVA	Acoustic Enclosure	5.00	HSD 250 Kg/Hr	1	SO ₂	120 Kg/Day
S-2	DG Set-500 KVA	Acoustic Enclosure	5.00			SO ₂	120 Kg/Day

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

Total Particular matter	Not to exceed	150 mg/Nm ³
-------------------------	---------------	------------------------

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

SCHEDULE-III

Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Renewal of Consent	25 Lakhs	Existing	Towards O & M of pollution control system & compliance of consent to operate	30.06.2023	31.10.2023
2	Renewal of Consent	25.71 Lakhs	Submit within 15 days	Towards violation that not obtained renewal within time	Forfeit after submission	Forfeit after submission

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.
Existing BG obtained for above purpose if any may be extended for period of validity as above.

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
1	Renewal of Consent	25.71 Lakhs	Submit within 15 days	towards violation that not obtained renewal within time	Forfeiture B.G. of Rs.25.71 Lakhs after submission	towards violation that not obtained renewal within time

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

General Conditions:

- 1 The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2 The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act 1986 and Solid Waste Management Rule 2016, Noise (Pollution and Control) Rules, 2000 and E-Waste (Management & Handling Rule 2011).
- 3 Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 4 Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 5 Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.

- g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
- 6 Solid Waste - The applicant shall provide onsite municipal solid waste processing system & shall comply with Solid Waste Management Rule 2016 & E-Waste (M & H) Rule 2011.
- 7 Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 8 Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.
- 9 The treated sewage shall be disinfected using suitable disinfection method.
- 10 The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 11 The applicant shall make an application for renewal of the consent at least 60 days before date of the expiry of the consent.

This certificate is digitally & electronically signed.



SUNSHINE BATTLE
OUT IN MEGA SLUMBY PRIYANKA SALVE
Mumbai

The parliamentary constituency of Mumbai North Central has a wide income disparity in Mumbai - home to the metropolis' newest business district, glamorous movie stars and Asia's largest slum.

Mumbai North Central has traditionally been a Congress stronghold with the party having won eight out of 13 General Elections and regional party Shiv Sena emerging winners only three times.

Among political bigwigs who have contested and won elections from this constituency are Shiv Sena leader Manohar Joshi, head of Republican Party of India Ramdas Ahlawade, Marathi playwright Vijayadhar Gokhale and Communist Party of India (Marxist) leader Abhijit Ranganekar. The last time there was a non-Congress Member of Parliament from Mumbai North Central was 1998, when Manohar Joshi won the Mumbai North Central seat by a significant margin of

168,065 votes in 1998 but suffered a narrow defeat in 2004 against Congress' Pravin Gaidwad.

Despite defeating the Shiv Sena's Gaidwad, Pravin was given a ticket from Mumbai South Central in 2009 and Priya Dutt, daughter of actor-director-dep

chus Sushil Dutt, was given the opportunity to contest the North Central seat owing to the delimitation process in 2008.

In 2009, backed by the legacy of her father's work in the slums of Mumbai North Central, Priya won the seat with a margin of 175,525 votes against Bharatiya Janata Party's Mahesh Kam Jethmalani. Post the delimitation, the erstwhile Mumbai North West was re-constituted North Central. Assembly constituencies of Vile Parle, Bandra east, Bandra west and Kallina, earlier part of North West, were merged with those of Kurla and Nehru Nagar to form the new constituency. The area, with nearly 1.7 million voters, houses a mix of Gujaratis, Maharashtrians, Christians and Muslims.

Contesting for a chance to represent this diverse demography in the 16th Lok Sabha election is

Aditya in the last assembly election. Last election: 1,48,983 Total valid votes: 1,48,983

A band of scions. Priya is likely to face a tough fight from Poonam Mahajan, daughter of 14th Lok Sabha MP, and Parmanand, son of senior Samajwadi Party leader Akhilesh.

Senior BJP leader Nani Palkiwala's son Pravin is also contesting on an Akhilesh ticket. The fate of these candidates will be sealed on April 24. Rejuvenation of slums is a key issue, as is the lack of infrastructure. Living conditions in Dharavi, Asia's largest slum, are abysmal still, with not even the basic civic amenities provided for. However, recent pro-poor policies intro-

Candidate	Party	Votes	Percentage of votes garnered
Priya Dutt	CONG	319,352	48.25%
Mahesh Jethmalani	BJP	144,797	21.77%
Shilpa Sarpotdar	MNS	132,546	19.94%

duced by the Congress-led government such as rehabilitation of illegal slums built till 1962 and the implementation of Street Vendors Act are likely to have the Congress leverage among the economically weak sections of the society. Given that 75% of voters in the constituency come from slums and are Congress loyalists, the party will have an edge over the others. However, the Samajwadi Party's decision to field a Bhilwari candidate could run on Congress' parade due to the sizeable population of the community in the area.

Poonam Mahajan, the only Maharashtrian candidate in the fray, could attract a large chunk of local votes and Raj Thackeray-led Maharashtra Navnirman Sena's decision to support her party could boost her chances further. Amidst this, Adv and Karmaveer's AAP could end up as the dark horse and could surprise everyone's mind.



A combo picture showing parts of a road after hailstorm and heavy rains in Oshambad, Maharashtra on Sunday. Marathwadis faced yet another rain fury, coupled with hailstorm, claiming the persons' lives in the region. This is the fourth time that the region is facing nature's fury in the form of seasonal rainfall and hailstorm. However, the temperature has come down to 30 to 34 degrees owing to the climatic changes.

Raj rakes up sons-of-soil issue in Kalyan LS seat

Raj

Keeping his pitch against "outsiders", MNS chief Raj Thackeray has said that Thane district is witnessing influx of people who indulge in "illegal" activities.

Addressing a rally in support of party nominee Pramod (Raj) Patil from the Kalyan Lok Sabha seat, Thackeray raked up the sons-of-soil issue. Raj accused national media of being "biased" towards him. The MNS chief said that an MP from outside ever tried to protect the "swathimani" (self respect) of Maharashtrians. Kalyan Lok Sabha seat is currently represented by Shiv Sena rebel and now the NCP nominee Anand Paranjape. Sena has fielded Shrikant Shinde from this seat.

Big cat creates panic in Chandrapur

Chandrapur (Maharashtra)

Panics loomed large among the residents of Ballapur town in Chandrapur district on Monday after a leopard hid on the rooftop of a house and on local found, ran amok, bringing back the horrors of man-animal conflict in settlements in the vicinity of wildlife.

A leopard strayed into a human settlement scaring residents and forcing them to run helter-skelter to save their lives. It attacked an older resident while people tried to corner it. No injuries have been reported in the incident.

Meanwhile, scared animal ran into a hut to hide from the crowd. Forest officials caught the leopard and are in the process of releasing it into the wild.

Illegal deforestation and extension of residential settlements and cowpans into reserved forests and hills have reduced the natural habitat of animals forcing animals to wander around in search of food.

Missing toddler found dead in open nullah

Suresh Golani

Bhopal

Tragedy struck the Bhopal family in Bhopal when the body of their missing six-year-old son was found in an open nullah near their home early on Monday morning.

The youngest of three siblings, Ritish Bhagat (6) had mysteriously disappeared while playing near his home on Sunday evening. After a futile search operation, Ritish's father Binduwar Singh who is an auto-rickshaw driver, informed police about the toddler's disappearance late on Sunday night.

Locals spotted the body of a child lying in an open nullah near the creek. Binduwar reached the spot and identified the child. Police and Fire

Suresh Golani

Bhopal

Brigade personnel rushed to the scene and pulled out the body. After post-mortem, Ritish's body was handed over to his grief-stricken family. "I have been regularly corresponding with the police authorities warning them about an impending threat and demanding immediate construction of a pucca nullah," claimed Corporator Adv. Raj Vyas who has demanded action against civil officials for their negligence. Locals, however, said that the child may have accidentally slipped into nullah and swept away due to high tide.

"Prima facie it appears to be a clear case of accidental death but we are probing all angles," said investigating officer PSI Deepak Kadam.

Newly wed couple killed in road mishap; father dies of stroke

Suresh Golani

Bhopal

In a tragic incident, a newly wed couple was killed in a road mishap on the Mumbai-Ahmedabad National Highway near Virar on Monday morning.

Residents of Koliwada village in Vasai, the couple, identified as -Parashram Bhadolkar (38) and Meeta (24), was on their way to pay their obeisance at the Mahadevi temple in Dahisar when their bike rained into an illegally parked truck near Salasar village. Locals spotted the couple lying in a pool of blood and rushed them to a nearby hospital where they were declared dead on arrival. The tragedy did not end there as unable to bear the shock of the loss of his daughter and son-in-law, Meeta's father Dayanandhar Harharhar died after suffering a massive heart attack.

A pall of gloom descended on Koliwada village as the news of tragic death trickled in.

VAS INFRASTRUCTURE LIMITED

Regd. Office: Jyoti Estate, Plot No. 757 and 758, Ground Floor, Near Kora Kendra, Off S. V. Road, Borivali West, Mumbai - 400 092. Tel: 2899 2558 & 2899 7866

NOTICE

NOTICE is hereby given that the meeting of the Board of Directors of the Company is scheduled to be held on Monday, 12th May, 2014, at the Registered office of the Company to consider inter-alia following items:

1. To take on record, consider and recommend for approval to the Board of Directors the Unaudited Financial Results for the Quarter and Half Year ended on 31st March, 2014.
2. To take on record the Limited Review Report on the Unaudited Financial Results for the Quarter and Half Year ended 31.3.2014.
3. To consider and approve Formation of (a) Nomination and Remuneration Committee (b) Stake Holders Relationship Committee
4. Any other business with the permission of the chair.

REGISTERED OFFICE:
Jyoti Estate, Plot No. 757 and 758,
Ground Floor, Near Kora Kendra,
Off S. V. Road, Borivali West, Mumbai - 400 092
Tel: 2899 2558 & 2899 7866 Fax: 2899 3545
Place: MUMBAI
Dated: 19.04.2014

Yours faithfully,
For VAS INFRASTRUCTURE LIMITED
Sd/-
(DR. JAYESH V. VALIA)
EXECUTIVE CHAIRMAN

YASHRAJ CONTAINERS LIMITED

Jyoti Estate, 1st Floor, Plot No. 757 and 758, Village Borivali, Taluka Borivali, Near Kora Kendra, Off S. V. Road, Borivali West, Mumbai - 400 092. Tel: 2899 2558 & 2899 7866

NOTICE

NOTICE is hereby given that the meeting of the Board of Directors of the Company is scheduled to be held on Monday, 12th May, 2014, at the Registered office of the Company to consider inter-alia following items:

1. To take on record, consider and recommend for approval to the Board of Directors the Audited Financial Results for the Quarter and Year ended on 31st March, 2014.
2. To take on record the Limited Review Report on the Audited Financial Results for the Quarter and Year ended 31.3.2014.
3. To consider and approve Formation of (a) Nomination and Remuneration Committee (b) Stake Holders Relationship Committee
4. Any other business with the permission of the chair.

REGISTERED OFFICE:
Plot 757/758, Jyoti Estate,
Borivali West, First Floor, Near Kora Kendra,
Off S. V. Road, Borivali (West), Mumbai - 400 092
Tel: 2899 2558 & 2899 7866
Place: MUMBAI
Dated: 19.04.2014

Yours faithfully,
For YASHRAJ CONTAINERS LIMITED
Sd/-
(DR. JAYESH V. VALIA)
EXECUTIVE CHAIRMAN

PRECISION CONTAINERS LIMITED

Jyoti Estate, 1st Floor, Plot No. 757 and 758, Village Borivali, Taluka Borivali, Near Kora Kendra, Off S. V. Road, Borivali West, Mumbai - 400 092. Tel: 2899 2558 & 2899 7866

NOTICE

NOTICE is hereby given that the meeting of the Board of Directors of the Company is scheduled to be held on Monday, 12th May, 2014, at the Registered office of the Company to consider inter-alia following items:

1. To take on record, consider and recommend for approval to the Board of Directors the Audited Financial Results for the Quarter and Year ended on 31st March, 2014.
2. To take on record the Limited Review Report on the Audited Financial Results for the Quarter and Year ended 31.3.2014.
3. To consider and approve Formation of (a) Nomination and Remuneration Committee (b) Stake Holders Relationship Committee
4. Any other business with the permission of the chair.

REGISTERED OFFICE:
Plot 757/758, Jyoti Estate,
Borivali West, First Floor, Near Kora Kendra,
Off S. V. Road, Borivali (West), Mumbai - 400 092
Tel: 2899 2558 & 2899 7866
Place: MUMBAI
Dated: 19.04.2014

Yours faithfully,
For PRECISION CONTAINERS LIMITED
Sd/-
(DR. JAYESH V. VALIA)
EXECUTIVE CHAIRMAN

RISHABHDEV TECHNOCABLE LTD

Regd. Office: 33, Agal Sagar Industrial Estate, 1st Floor, Off Aarey Road, Goregaon (E) Mumbai-400 063
Tel No: 022-25871462/25871466 Fax No: 022-25871459 Website: www.rishabhdev.com

UNAUDITED FINANCIAL RESULTS FOR THE QUARTER ENDED 31ST DECEMBER, 2013

Sl. No.	Particulars	Quarter Ended		New Month Ended		Year Ended
		31.12.2013	30.09.2013	31.12.2013	31.12.2013	31.12.2013
		(Rs. in Lakhs)	(Rs. in Lakhs)	(Rs. in Lakhs)	(Rs. in Lakhs)	(Rs. in Lakhs)
1	Subsidiaries Income operations					
(a) Net Subsidiaries Income Operations		3,852.23	4,897.44	4,554.71	10,819.53	10,272.37
(b) Other Operating Income		-	-	9.45	21.85	11.60
2	Total Income from operations (net)	3,852.23	4,897.44	4,564.16	10,841.38	10,283.97
3	Expenses					
(a) Increase/Decrease in stock in trade and work in progress		(1,046.71)	1,257.67	459.39	(360.87)	(393.14)
(b) Consumption of raw materials		3,186.54	3,186.57	3,783.37	7,248.06	8,855.94
(c) Employees cost		15.81	15.26	39.39	86.15	44.47
(d) Depreciation		54.26	54.26	56.74	160.76	222.11
(e) Other expenses		360.80	450.60	463.9	1,262.53	100.46
		3,178.62	3,473.88	4,293.24	8,658.41	9,588.81
4	Profit from Operations before Other Income, Finance Costs and Exceptional Items (1-2)	673.61	1,423.56	1,270.92	3,182.97	633.46
5	Other Income	-	-	177.32	2,139.89	652.34
6	Profit before Interest and Exceptional Items (1-4)	673.61	1,423.56	1,448.24	5,322.86	1,285.80
7	Finance Cost	126.77	131.98	94.69	385.04	443.39
8	Profit from ordinary activities after finance cost but before Exceptional Items (5-6)	546.84	1,291.58	1,353.55	4,937.82	842.41
9	Exceptional items	-	-	-	-	-
10	Profit/Loss from Ordinary Activities before Tax and after Period Adjustments (7-8)	546.84	1,291.58	1,353.55	4,937.82	842.41
11	Net Profit/Loss from Ordinary Activities after tax and after Period Adjustments (9-10)	101.60	196.84	167.78	329.70	30.58
12	Net Profit/Loss from Ordinary Activities after tax and after Period Adjustments (9-10)	447.84	894.74	76.76	1,448.12	141.83
13	Net Profit/Loss from Ordinary Activities after tax and after Period Adjustments (9-10)	447.84	894.74	76.76	1,448.12	141.83
14	Net Profit/Loss from Ordinary Activities after tax and after Period Adjustments (9-10)	447.84	894.74	76.76	1,448.12	141.83
15	Net Profit/Loss from Ordinary Activities after tax and after Period Adjustments (9-10)	447.84	894.74	76.76	1,448.12	141.83
16	Net Profit/Loss from Ordinary Activities after tax and after Period Adjustments (9-10)	447.84	894.74	76.76	1,448.12	141.83
17	Net Profit/Loss from Ordinary Activities after tax and after Period Adjustments (9-10)	447.84	894.74	76.76	1,448.12	141.83

Sl. No.	Particulars	Quarter Ended		New Month Ended		Year Ended
		31.12.2013	30.09.2013	31.12.2013	31.12.2013	31.12.2013
		(Rs. in Lakhs)	(Rs. in Lakhs)	(Rs. in Lakhs)	(Rs. in Lakhs)	(Rs. in Lakhs)
1	PARTICULARS OF SHAREHOLDING					
(a) Public Shareholding:						
No. of Shares		22,72,438	22,72,438	22,72,438	22,72,438	22,72,438
Percentage of Shareholding		85.14	85.14	85.14	85.14	85.14
2	Particulars of Shareholding					
(b) Promoters and promoter group Shareholding						
Pledged/Encumbered		NIL	NIL	NIL	NIL	NIL
Number of shares						
Percentage of shares (as a % of the total shareholding of promoters and promoter group)						
(c) Shareholding of shares (as a % of the total shareholding of promoters and promoter group)						
Number of Shares		3,965,530	3,965,530	3,965,530	3,965,530	3,965,530
Percentage of shares (as a % of the total shareholding of promoters and promoter group)		100%	100%	100%	100%	100%
Percentage of shares (as a % of the total shareholding of promoters and promoter group)		14.86%	14.86%	14.86%	14.86%	14.86%
3	INVESTING COMPLAINTS					
Number of complaints at the beginning of the Quarter						
Number of complaints received during the Quarter						
Number of complaints disposed of during the Quarter						
Number of complaints remaining undisposed at the end of the Quarter						
1	Note for Segment Reporting: The Company operates under General Trading Business.					
2	The above results were reviewed by the Statutory Auditors of the Company.					
3	Previous period/year figures have been regrouped / reclassified wherever necessary as per the format revised under schedule VI to the Companies Act, 1956.					
4	The above results as reviewed by the Audit Committee have been approved at the meeting of the Board of Directors held on 12th February, 2014.					
For and on behalf of the Board						
Sd/- G. Gokhale						
Chairman & Managing Director						
Place: Mumbai						
Date: 12.02.2014						

'Congress-BJP scared of AAP'

SUDHIN DHANAMADHAN

Aurangabad

The national leader of the Aam Aadmi Party (AAP), Yogenendra Yadav, said that his party is going to provide an option to bring some radical changes in the political system, therefore established parties are scared of AAP.

Ex TV news and political analyst, Yadav was in Aurangabad to campaign for AAP candidate Subhash Leaute. Talking to reporters, Yadav said that AAP is losing its ground in common people with reference to sleeping and ink throwing incidents occurred with the party

supreme Arvind Kejriwal, both Narendra Modi and Rahul Gandhi are false alibis. Yadav said that the former believes in dictatorship while the latter in democracy. He said that the former believes in dictatorship while the latter in democracy. He said that the former believes in dictatorship while the latter in democracy.

asked that how many seats his party will win in the Lok Sabha election has said that the result certainly will shock all in Maharashtra as well as in the country. He has stopped predicting future around 3 years ago and started shaping the future. It is a pretty common sense that new parties are not covered in exit polls and in surveys conducted by political parties. But AAP is going to bypass the country.

The Maharashtra Navnirman Sena chief Raj Thackeray had claimed that his party was 'Baap of AAP' in Maharashtra. When asked to react over Thackeray's claim, Yadav said that it was not for the first time

that Thackeray came out with such statements. It doesn't deserve his (Yadav's) reaction and the top line has been thrown into the dustbin on the day he made the statement.

IDBI BANK **IDBI BANK LIMITED**
 Regd. Office: IDBI Tower, 15, Naraina, New Delhi-110028
 Tel: 022 69553355, 22181511 Tel: 022 2218 0411
 website: www.idbi.co.in, email: idbiregistry@idbi.co.in

NOTICE

Notice is hereby given pursuant to Clause 41 and 19(a) of the Listing Agreement that a meeting of the Board of Directors of IDBI Bank Limited will be held on Wednesday, April 30, 2014 to consider and take on record the Auditor's Report for the year 2013-14, and the Results for the quarter and year ended March 31, 2014 and also to consider recommendation of final dividend for FY 2013-14, if any.

Place : Mumbai
 Date : April 21, 2014

For IDBI Bank Limited
 Pawan Agrawal
 Company Secretary

स्वातंत्र्य अर्ज प्रीतिपत्र एन्टरप्रायझेन्स सिटी इन्डिस्ट्रियल
 शां. नं. ६, सन मॉरीटिका, नुईस खाती, एन्आयसी सर्व्हिस रोड, इन्टर्नॅशनल हायवे, ठाणं (प.),
 ठाणं-४००६०४. दूर: २६८०१२२६/२७, टेलिफोनस: २६८०१२२६.

दिनांक : २२.०४.२०१४.
 ठिकाण : मुंबई.

सही/-
 प्राथमिक अभियंता
 स्टेट बँक ऑफ इंडिया

NOTICE is hereby given that the New Fund Offer (NFO) of the following Plans under HDFC Fixed Maturity Plans - Series 31 (a close-ended income scheme), will open and close for subscription as under:

Investor Grievance ID: inrights@indianline.co.in

CONTACT Person: Mr. Pravin Kulkarni
 SEBI Registration Number: JVR/06/054056
 Facsimile: + 91 22 2652 3979
 E-mail: pravin.kulkarni@iaa.co.in

I, **AFS Capital Advisors Limited**, an associate of the Company as per the SEBI Merchant Bankers Regulations, IL&PS Capital Advisors Limited has signed the due diligence certificate accordingly has been designated as a Lead Manager. Further, in compliance with the provision of Regulation 21A of SEBI Merchant Bankers Regulations and Regulation 53(i) of the IIFR Guidelines, I, **AFS Capital Advisors Limited** and its associated entities have signed the compliance certificate.



Tree Plantation



Tree Plantation



Doctor visit on site for Health checkup



Doctor visit on site for Health checkup



Health check up and blood test on site



Mosquito bed net in labour camp



Water tank for Labour colony



Labour Colony



Water tank for labour camp



Labour Toilets



Cooking area for labours