Six Monthly Compliance Report

For the period of Apr 2020 to Sept 2020

Green Ville

At S. No. 64, Kharadi, Tq. Haveli, Dist: Pune

By Gera developments Pvt. Ltd.

Date:

To,
The Additional Director (S),
Ministry of Environment and Forest and Climate Change
Regional Office (WCZ), Ground Floor,
East Wing, New Secretariat Building,
Civil Line, Nagpur, Maharashtra-440001.

Sub: Submission of Compliance for Environmental Clearance for construction of Residential Project "Gera's Greens Ville" at Kharadi , Pune for the period of April 2020- Sept 2020

Ref: Environment clearance letter vide F. No. 512/2007-IA.III

Respected Sir,

With reference to the abovementioned subject, please find enclosed point wise compliance report of environmental clearance with relevant annexures as per condition laid down by the Ministry of Environment and Forest in its clearance letter No. F. No. 512/2007-IA.III

This is for your kind consideration and records. Kindly acknowledge the same.

Thanking you,

Yours Sincerely,

For Gera Developments Pvt. Ltd.

Gera Developments Pvt. Ltd.

Authorized Signatory

Encl:

1. **Part A: Project information**
2. **Part B: Pointwise compliance of EC conditions**
3. **Annexures**
4. **EC Copy**

Copy to: 1. Member Secretary, Maharashtra pollution control Board
2. Member Secretary, SEIAA, Maharashtra

Enclosures

Sr. No.	Description	
	Data Sheet	1-3
	Pointwise compliance	4-20
	EC copy	Page 1-13
	Environment Monitoring Report from MOEF& CC accredited laboratory	--
	Annexures	
1.	Architect Certificate	Annexure I
2.	Environment management plan	Annexure II
3.	Consent to Establish	Annexure III
4.	Consent to Operate	Annexure IV
5.	Details of Environment Management Cell	Annexure V

Ministry of Environment and Forest
Regional Office, Nagpur

DATA SHEET

1.	Project type: River - valley/ Mining / Industry / Thermal / Nuclear / Other (specify)		:	New construction project (8b)
2.	Name of the project		:	Green Ville
3.	Clearance letter (s) / OM No. and Date		:	No. SEAC-2016/C.R.424/TC1 dated 24 Apr 2017.
4.	Location		:	Gat no.1343/B and 1343/A/2, Near Podar International School, at Village Wagholi, Taluka: Haveli
	a.	District (S)	:	Pune
	b.	State (s)	:	Maharashtra
	c.	Latitude/ Longitude	:	Latitude: 183351.04 Longitude:735740.80
5.	Address for correspondence			
	a.	Address of Concerned Project Chief Engineer (with pin code & Telephone / telex / fax numbers	:	Kashitija Bidwai 200, Gera Plaza, Boat Club Road Sangamwadi, Pune 411001 Mobile: 9822020899
	b.	Address of Executive Project: Engineer/Manager (with pincode/ Fax numbers)	:	Reji Menon 200, Gera Plaza, Boat Club Road Sangamwadi, Pune 411001
6.	Salient features			
	a.	of the project	:	Residential construction projects project with shops FSI : 99,675.05m2 Sqm Non FSI: 68,396.75 m2 Sqm Total construction Built up area: 1,68,071.75 m2 Sqm **Area as per attached architect certificate Annexure I**
	b.	of the environmental management plans	:	**Environment plan enclosed as Annexure II**

7.	Breakup of the project area		:	**Architect certificate enclosed for Area statement as Annexure I**
	a.	submergence area forest & non-forest	:	Not Applicable
	b.	Others	:	Not Applicable
8.	Breakup of the project affected Population with enumeration of Those losing houses / dwelling units Only agricultural land only, both Dwelling units & agricultural Land & landless labourers/artisan		:	Not applicable
	a.	SC, ST/Adivasis	:	Not applicable
	b.	Others (Please indicate whether these Figures are based on any scientific And systematic survey carried out Or only provisional figures, it a Survey is carried out give details And years of survey)	:	Not applicable
9.	Financial details		:	
	a.	Project cost as originally planned and subsequent revised estimates and the year of price reference:		
	1.	Total Cost of the Project	:	Proposed project Cost: 370 Cr
	b.	Allocation made for environmental management plans with item wise and year wise Break-up.	:	**Environment Management plan Enclosed as Annexure II**
	c.	Benefit cost ratio / Internal rate of Return and the year of assessment	:	Not Applicable
	d.	Whether (c) includes the cost of environmental management as shown in the above.	:	Not Applicable
	e.	Actual expenditure incurred on the project so far	:	Since this is first compliance report, we will submit expenditure of consent with next compliance
	f.	Actual expenditure incurred on the environmental management plans so far		**Environment Management Plan Enclosed as Annexure II**
10.	Forest land requirement		:	

	a.	The status of approval for diversion of forest land for non-forestry use	:	Not Applicable
	b.	The status of clearing felling	:	Not Applicable
	c.	The status of compensatory afforestation, it any	:	Not Applicable
	d.	Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	:	Not Applicable
11.	The status of clear felling in Non-forest areas (such as submergence area of reservoir, approach roads), it any with quantitative information		:	Not Applicable
12.	Status of construction		:	**Project is complete in all respect and in operation phase.**
	a.	Date of commencement (Actual and/or planned)	:	Completed within time in phases
	b.	Date of completion (Actual and/or planned)	:	Completed within time phases
13.	Reasons for the delay if the Project is yet to start		:	Not Applicable
14	Dates of site visits		:	
	a.	The dates on which the project was monitored by the Regional Office on previous Occasions, if any	:	No
	b.	Date of site visit for this monitoring report	:	No
15.	Details of correspondence with Project authorities for obtaining Action plans/information on Status of compliance to safeguards Other than the routine letters for Logistic support for site visits)		:	Not Applicable
	(The first monitoring report may contain the details of all the Letters issued so far, but the Later reports may cover only the Letters issued subsequently.)		:	Not applicable

Project Information and status of environmental features of project

	Details	Status
Name of the project	Construction of residential complex Green Ville S.No.64, Kharadi, Taluka: Havelii, Dist: Pune, State: Maharashtra	Project location is as per development plan and sanction plan of Pune municipal corporation. Project is complete with all environmental infrastructures.
Type of project	Residential	Residential project
New project/expansion of existing project/modernization/ diversification	Amendment EC letter granted vide letter: F.NO. 2-512/2007-1A-III on 27/12/2007 and revalidated 29/09/2014	Received amendments of EC vide No.SEAC-2016/C.R.424/TC1 dated 24 Apr 2017. Enclosed with This report. This reports covers the compliance of amended EC
IOD/IOA/concession/ plan approval number	Sanction plan No. 4013/15 dated 5/3/2016 Approved Built up area: 99675.66	Construction is complete and project is in operation phase
Note on initiated work	EC granted for total built up 1, 94,460.50. Total construction work 1,25,0112.90 Sqm. Work in progress As per EC dated 2007 and revalidated 2014	Project construction is as per sanction plan of Pune Municipal corporation. Project has received completion certificates from Pune Municipal corporation submitted with earlier compliance.
IOD/IOI/NOC from MHADA / other approvals	Not applicable	Not applicable
Total plot area	1,58,600 Sqm	All areas given in EC are as per Sanction plan No. 4013/15 dated 5/3/2016 construction is done in accordance with the same and also received completion certificate.
Deduction	59,213.50 Sqm	
Net plot area	99386. 50 Sqm	
Proposed Built up area and FSI	Total FSI: 99655.05	
	Non FSI: 65396.75	
	Total Built up : 1,68,071.75	
	Ground coverage:18592.13	
	Ground coverage percentage :18.70	
Estimated cost of project	Rs. 370 CR	Project cost is given includes only land, construction, and cost for environmental infrastructure.
Total water Requirement		
Dry season	Source of water : PMC	Total fresh Water requirement of the project is fulfilled by municipal corporation. Gardening and flushing water requirement will be fulfilled though recycled water from STP
	Fresh water CMD: 342.4	
	Recycled water Flushing (CMD): 171.2	
	Recycled water Gardening (CMD): 114.9	
	Swimming pool Make up water (CMD: 20	For Swimming pool and fire fight only top up/storage of water is required.

<table>
<tr><td></td><td>Total water requirement (CMD):513.6
Fresh + recycled</td><td></td></tr>
<tr><td></td><td>Firefighting-
Underground water tank: 780</td><td></td></tr>
<tr><td></td><td>Firefighting –
Overhead water tank: 20000 lits per building</td><td></td></tr>
<tr><td></td><td>Excess treated water : 83.7 lits</td><td>Excess treated water being disposed</td></tr>
<tr><td>Details of Swimming pool</td><td>Dimension of Swimming Pool: 25 m. x 12.5 m x 1.2 m
Water requirement for make up in KLD: 20
Details of Plant & Machinery used for treatment of Swimming pool water:
Details of quality to be achieved for swimming pool water and parameters to be monitored:
<table>
<tr><td>pH</td><td>7.2 - 7.6</td></tr>
<tr><td>Total Alkalinity</td><td>80 - 120 ppm</td></tr>
<tr><td>Calcium Hardness</td><td>200 ppm Minimum</td></tr>
<tr><td>Total Dissolved Solids</td><td>>1500 ppm</td></tr>
<tr><td>Free chlorine</td><td>1 - 1.5 ppm*</td></tr>
<tr><td>Super-chlorination</td><td>at least 3.0/5.0 ppm</td></tr>
<tr><td>Shock Treatment (heavy algae)</td><td>at least 10 ppm (mg/1)</td></tr>
<tr><td>Cyanuric Acid (Stabilizer)</td><td>> 100 ppm (mg/1)</td></tr>
</table>
Capital cost: Rs.72,00,000/-
O&M Cost: Rs. 2,40,000/-</td><td>Swimming pool is constructed on site as given is EC and its water quality is being tasted as per requirement.</td></tr>
<tr><td>Rain water harvesting</td><td>Level of the Ground water table:</td><td>Rain water harvesting is done as mentioned in EC</td></tr>
</table>

	(i) Pre Monsoon : 15 to 20 Mt. below ground level (ii) Post Monsoon :6 to 8 Mt. below ground level Size and no of RWH tank(s) and Quantity: NA • Capacity of RWH tanks: • Location of the RWH tank (s): NA • No of recharge pits: 15 recharge borewell and 20 recharge pits • Budgetary allocation (Capital cost, O & M cost): Capital cost: Rs.18,00,000 /- O&M cost (Per annum): Rs. 3,60,000 /-	
Strom water drainage	Natural water drain age pattern: The storm water drain will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits	Strom water drain is designed according to contours and storm water will led to Rain water harvesting pits and additional will be discharged to municipal storm water line.
	Quantity of storm water :2.90-2.20 m^3/minute	
Sewage and waster water	Sewage generation : 410 STP Technology : MBBR Capacity of STP: 1 no. 430 KLD Location and area of STP: 301.8 Sqm Budgetary allocation: (Capital Cost): 90,00,000/- Budgetory allocation (O and M) Cost: 1,50,000/-	Submitted STP details with earlier compliance report.

Solid waste Management		
Waste generation in the preconstruction and construction pahse	**Waste generation in the Pre-Construction and Construction phase:** • Waste generation : Total labour Solid Waste Generation : 30 Kg/day Wet waste generation: 18 kg/day Dry waste generation: 12 kg/day • Disposal of the construction waste debris: The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling - Quantity of the top soil to be preserved: 9000 CUM Disposal of the construction way debris: Land filling on the same site	Waste generated during construction was used within project site for leveling and road construction purpose. Preserved top soil used for landscape development.
Waste generation in operation phase	Total Solid waste Generation: 1902.5 kg/day Total Biodegradable waste: 1141.5 kg/day Treated in Vermicomposting: 591.5Kg/day Treated in Organic waste converter:550kg/day Total Non-Biodegradable waste: 761 kg/day E – waste: Not Applicable Hazardous waste (Kg/month): Not applicable. Biomedical waste (Kg/month) (If applicable): Not Applicable **Total STP Sludge (Dry sludge):** approx.61.5 kg/day	Waste generation quantities given in EC are as per standard. Treated though vermicomposting and organic waste converter.
Mode of disposal	**Mode of Disposal of waste:** • **Dry - waste :** Dry waste will be segregated into recyclable and non-recyclable waste. Non degradable waste will be handed over to authorized vendor.	Solid waste generated on site is treated through Organic waste converter and vermin composting; details of the same submitted with earlier compliance. Dry waste is being disposed off though Authorized vender or PMC

<table>
<tr><td></td><td colspan="6">• Wet - waste :
Biodegradable waste will be treated in Organic Waste Converter Dried sludge from STP will be used as manure.

• E – waste: NA

• Hazardous waste: Not applicable

• Biomedical waste (If applicable): Not Applicable</td><td></td></tr>
<tr><td>Area Requirement</td><td colspan="6">Location : Near A3 Wing
Area requirement: Total area provided for the storage & Treatment of the solid waste: 40 Sq. m</td><td></td></tr>
<tr><td>Budgetary allocation</td><td colspan="6">- Budgetary allocation (capital Cost & O & M cost):
Capital Cost: Rs. 30,00,000/-
O & M cost (Per Annum): Rs. 5,00,000/-</td><td></td></tr>
<tr><td>Effluent characteristics</td><td colspan="6">Not applicable</td><td>No generation of Effluent</td></tr>
<tr><td>Hazardous waste details</td><td colspan="6">Not applicable</td><td>No generation of hazardous waste</td></tr>
<tr><td colspan="8">Stack emission details</td></tr>
<tr><td>Stack details</td><td>Unit</td><td>Fuel used quantity</td><td>Stack no,</td><td>Height</td><td>Internal dia</td><td>Exhaust gas temp</td><td rowspan="3">DG sets are used for back up of emergency services at time of power failure. Location of DG sets is away from building separated by road.
All DG sets are provided with pollution control systems as per CPCB norms.</td></tr>
<tr><td></td><td>250 KVA*4</td><td>57 l/hr</td><td>1 each</td><td>3.1m</td><td>5 inch</td><td>450 º C</td></tr>
<tr><td></td><td>320 KVA*2</td><td>83 l/hr</td><td>1 each</td><td>3.5 m</td><td>5 inch</td><td>320º C</td></tr>
<tr><td>Details of fuel used</td><td colspan="4">Not Applicable</td><td colspan="3">fuel is not used hence not applicable</td></tr>
<tr><td colspan="8">Energy</td></tr>
</table>

Power Requirement	Source of power : MSEDCL During construction phase (Demand Load) : NA	Power consumption and DG set details are as per EC and NOC from MSEDCL
	DG set as power back up during construction phase: 125 KVA	
	During operation phase: (Connected Load) :6600 KW	
	During operation phase) Demand Load): 5600 KW	
	Transformer: 630 KVA*10 Nos	
	DG set as power back up during operation phase : 250 KVA* 4Nos and 320 KVA*2 Nos	
	Fuel used :HSD	
	Details if HT line passing though the plot : NA	
Energy saving in operation phase	1. Use of T5/ CFL in place of metal halide in external lighting 2. Use of solar water heaters for kitchen 3. Use of CFL in the internal toilet area 4. Energy saving using T5 fixtures with electronic ballast in place of electromagnetic ballast 5. Energy saving using automatic timer operation against manual operation for external and common area lighting 6. Saving is losses using high efficiency fixtures	Energy conservation and ECBC compliance report submitted with earlier compliance.
	Detail calculation and % saving :6-7%	
Details of pollution control system	Not applicable	

Environment management plan and budgetary allocation

During construction phase (with break up)

	Particulars	Cost (in Rs.)
1.	Pollution control dust suppression and	16,16,998.3/-
2.	Labour Camp toilets	9,74,000/-
3.	Safety Equipment and training	2,70,000/-
4.	Environmental Monitoring (Per Year)	1,85,600/-
5.	Disinfection and Health Check-ups(Per Year)	7,56,000/-
6.	Environmental Monitoring Cell	2,02,000/-
7.	Capital expenditure	40,04,598.3/-

Please refer Environment management plan for operation phase

During operation phase (with break up)

	Particular	Capital cost (INR in Lacs)	O & M Cost INR/ annum) in Lacs
1.	Sewage Treatment Plant	90	1.5
2.	Rain Water Harvesting &	18	3.60

Please refer Annexure II: Environment management plan for operation phase

	Storm water Networking		
3.	Solid Waste Management	30	5
4.	Green Belt Development	65	4
5.	Solar Street Light	10	2.50
6.	Solar water heating	20	5.00
7.	Swimming Pool	72	2.40
8.	Environmental Monitoring	-	2.30
9.	for training & awareness	0.25	0.5
	Total	305.25	26.80

Part B

Pointwise compliance

Specific conditions and general conditions

1.	E waste shall be disposed though Authorized Vender as per E Waste (Management and handling) Rules 2011	Project under reference is residential construction project hence E waste (management and Handling)Rules 2011 are not applicable
2.	This environmental clearance is issued subject to land use verification. Local Authority /planning authority should ensure this with respect to Rules, regulations, Notifications, Government Resolutions, circulars, etc. Issued if any. Judgments/orders issued by honorable high court, honorable NGT, honorable supreme court, regarding DCR provision, Environmental issues applicable in this matter should be verified. PP should submit exactly same plans appraised by	Construction of project is complete as per sanction plan No. 4013/15 dated 5/3/2016 which was submitted at time of getting EC. Project is complete and completion certificate received.

	concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to Environment department. This environment clearance is issued with respect to environmental considerations and it does not mean that State Level Impact Assessment Authority (SEIAA) approved proposed land use.	
3.	Occupation certificate shall be issued to the project by local planning authority only after ensuring availability of drinking water and connectivity of sewer line to the project site	We have received occupancy certificate from PMC for the project.
4.	PP has abide by the conditions stipulated by SEAC and SEIAA	Noted and complied
5.	The height, construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body and it should ensure the same along with survey number before approving layout plan and according to 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.	Construction is complete in accordance with Sanction plan No. 4013/15 dated 5/3/2016.
6.	If applicable Consent of Establishment shall be obtained from Maharashtra Pollution control Board under Air and water Act and a copy shall be submitted to Environment department before start of any construction Work at site	**Please refer Annexure III: Consent to Establish** **Please refer Annexure IV: Consent to Operate**
7.	All Required sanitary and hygiene measure should be place before stating construction activities and to be maintained throughout the construction phase	We have submitted note on sanitary and hygiene measures on site with earlier compliance reports Construction is complete and project is in operation phase now
8.	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	Construction is complete and project is in operation phase now
9.	The environmental clearance is issued subject to obtaining NOC from forestry and wild life angle including clearance from standing committee of the National Board of wild life as if applicable and this environmental clearance does not necessarily implies the forestry and wild life clearance granted to the project which will be considered separately on merit	Not applicable
10.	Disposal of muck during construction phase should not create any adverse effect on	There was no muck generation hence Not applicable Ladies

	neighboring communities and be disposed off taking necessary precautions for the general safety and health aspects of people. Only in approved sites with the approval of competent authority	
11.	Arrangement shall be made that waste and storm water do not get mixed	Complied in construction phase. Construction is complete and project is in operation phase now
12.	All toil soil excavated during construction activities should be stored for use in the horticulture/landscape development	Usable Top soil excavated and used for landscape development
13.	Additional soil for leveling of the proposed site shall be generated within the sites to the extent possible so that natural drainage system if the area in protected and improved	Waste generated during excavation used for further leveling purpose. Construction is complete and project is in operation phase now
14.	Green belt development shall be carried out considering CPCB guideline including selection of plant species and in consultation the local agriculture department	Landscape developed as per plan submitted for EC Landscape comprises indigenous varieties of trees as per CPCB guideline
15.	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching heavy metals and other toxic contaminants	Yes soil and ground water samples are being tested On regular basis.
16.	Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water course and the dumpsites for such material must be secured so that they should not leach in to the ground water	Construction is complete and project is in operation phase now
17.	Any hazardous waste generated during the construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board	Construction is complete and project is in operation phase now
18.	The diesel generator sets to be used during construction phase should be low Sulphur diesel type and should confirm to environment (protection) Rules prescribed for Air and noise emission standard	DG set installed on site confirming noise and emission standards of CPCB
19.	The diesel required for operating DG set shall be stored in underground tanks and if required clearance from concern authority shall be taken	DG set used is for back up purpose hence storage of diesel is not required.
20.	Vehicles hired for bringing construction material to the site should be in good condition and should have pollution check certificate and should confirm to the applicable air and noise emission standard and should operate during non-peak hours	Construction is complete and project is in operation phase now

21.	Ambient noise level should confirm to residential standard both during day and night. Incremental pollutions loads of ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce air and noise levels during construction phase, so as to confirm to stipulated standard by CPCB/MPCB	Monitoring of Ambient air and noise is being done though MOEF approved laboratory
22.	Fly ash should be used as building material in the construction as per provisions of Fly ash notification of September 1999 and amendment as on 27th August 2003. (The above condition is applicable only if project is located within the 100 km if thermal power station)	We have used CLC for construction of entire project
23.	Ready mixed concrete must be used in building construction	We have used 100% RMC for building construction.
24.	Storm water control and its re use as per CGWB and BIS standards for various applications	We have provided Storm water line and RWH system as per CGWB guideline.
25.	The ground water level and its quality should be monitored regularly in consultation with ground water Authority	Construction is complete and project is in operation phase now
26.	The installation of Sewage treatment plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/reused to the maximum extent possible. Discharge of this unused treated affluent if any should be discharge in to the sewer line. Treatment if 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odor problem from STP	STP analysis third part analysis was carried out by third party and submitted with earlier compliance reports.
27.	Permission to draw ground water and construction of basement if any shall be obtained from competent authority prior to construction/operation of the project	We are not withdrawing ground water hence not applicable
28.	Separation of gray and black water should be done by the use of plumbing line for separation of Gary and black water	We have provided Sewage treatment plant for treatment of entire sewage generating n project up to tertiary level hence separation of grey and black sewage is not needed.
29.	Fixtures for showers toilet flushing and drinking should be low flow either by use of aerators or pressure reducing devices or sensor based control	We have used low flow fixtures in our project Details submitted with earlier compliance

30.	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 window	This is residential construction project hence not applicable.
31.	Roof should meet perspective requirement as per energy conservation Building code by using appropriate thermal insulation material to fulfill requirement	Room insulation has been done though brick bat coba.
32.	Energy conservation measures like installation of CFLs/TFLs for the lighting areas outside the building should be integral part of project design and should be place before commissioning. Use CFL and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guideline/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.	ECBC compliance report submitted with earlier reports. Project is now in operation phase
33.	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be enclosed type and confirm to rules made under the Environment (Protection) Act 1986. The height of attack of DG set should be equal to the height needed for combined capacity of all proposed DG sets. Use low Sulphur Diesel .The location of DG set may be decided with in consultation with Maharashtra Pollution control Board	DG sets are being used as back up source for emergency services at time of power failure. All DG sets are of enclosed type confirming CBCB norms.
34.	Noise should be controlled to ensure that it does not exceed prescribed standard. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with prevalent regulations	Project is in operation phase Noe. Noise levels are being carried out for day and night on regular basis.
35.	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.	Parking is fully internalized as per plan sanction by Pune Municipal corporation
36.	Opaque wall should meet perspective requirement as per Energy conservation Building cod. Which is proposed to be mandatory for all	This is residential construction project hence no conditioning provided by us in buildings. Thermal insulation is not needed. Hence not applicable

	air conditioned spaces which it is aspiration for non-air conditioned spaces by use of appropriate thermal insulation material to fulfill requirement	
37.	The Building should have adequate distance between them to allow movement of fresh air and passage of natural light air and ventilation	Adequate distance is maintained between buildings as per municipal norms.
38.	Regular supervision of the above and other measures for monitoring should be in place all though the construction phase so as to avoid disturbance to the surrounding	Common area maintenance team is super vising and monitoring in operation phase **Details of Environment Management Cell Enclosed as Annexure V**
39.	Under the provision of Environment (Protection) Act 1986 legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance	We have started construction after getting environmental clearance.
40.	Six monthly monitoring report should be submitted to the Regional Officer MOEF, Bhopal with copy to this department and MPCB	We are submitting six monthly compliance reports in regular basis
41.	Project Proponent shall ensure completion of STP, MSW disposal facility, Green Belt development prior to occupation of the buildings. As agreed during SEIAA meeting PP to Explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it in to sewer line. No physical occupation or allotment will be given unless all above said environmental infrastructure installed and made functional including water requirement in para2. Prior certification from appropriate authority shall be obtained	We have received occupancy certificate for project. STP, MSW facilities are developed for entire project.
42.	Wet garbage should be treated by organic waste converter and treated manure should be utilized in the existing premises for gardening. And no wet garbage will be disposed outside the premises	Details of organic waste converter submitted with earlier compliance
43.	Local body should ensure that no occupation certificate is issued prior to operation of STP/MSW site Etc. with due permission from MPCB	We have received occupation certificates for part project after installation of STP and MSW facilities.
44.	In the case of any change in the scope of the project the project would require fresh appraisal by this department	Noted

45.	A separate environmental management cell with qualified staff be set up for implementation of stipulated environmental safeguards	Environment management cell with Qualified staff is working for Management of environment safeguards. Please find enclosed **details of environment management cell VI**
46.	Separate funds shall be allocated for implementation of environmental protection measures/ EMP along with item wise break up. This cost shall be included as a part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purpose and year wise expenditure should be reported to MPCB and This department	Environmental cost as per **Environment Management Plan Annexure II**
47.	The project management shall advertise at least in two local newspaper 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 the clearance letter are available with the Maharashtra pollution control Board and may be also seen at website http:// ec.maharshtra.gov.in	We have given advertisement in two local newspapers on getting Environmental clearance and submitted with earlier compliance reports.
48.	Project Management should submit half yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the MPCB and this department on1st June and 1st December of each calendar year	We are submitting half yearly compliance reports on regular basis.
49.	A copy of the Clearance letter shall be sent by proponent to the concerned municipal corporation and the local NGO, if any from whom suggestion/representations if any were received while processing the proposal. The clearance letter shall also be out on the website of the company by project proponent	No representation/suggestions from any NGO with reference to this project hence not applicable.
50.	The proponent shall upload the status of compliance of stipulated EC conditions, including result of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the regional Office if the MOEF. The respective zonal office of CPCB and the SPCB. The criteria pollutant levels namely SPM, RSPM. SO2, NOx(ambient levels as well as Stack Emission) Or Critical sector parameters, indicated for the project shall be monitored and	We upload the Six monthly compliance and monitoring report to our website post this submission with acknowledgement copies.

	displayed at the convenient location near the main gate of the company In the public domain	
51.	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 and soft copies as well as by Email) to the respective regional office of MOEF, The respective zonal office of CPCB and the MPCB	Noted and complied
52.	The environment Statement For Each financial year ending 31st March in form V as is mandated to be submitted by the project proponent to the concerned state pollution control Board as prescribed under the Environment (Protection) Act 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 sent to the Respective Regional Office of MOEF by Email.	We have submitted Environment statement though online portal www.ecmpcb.in

सत्यमेव जयते

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEAC-2016/C.R.424/TC-1 Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:April 24, 2017

To,
Construction of Residential Complex "Green Ville" at S.no 64/1 to 64/6, Kharadi, Pune by Gera Developments Pvt. Ltd.
at S. No. 64/1 to 64/6, Village Kharadi, Pune.

Subject: Environment Clearance forConstruction of Residential Complex "Green Ville" at S.no 64/1 to 64/6, Kharadi, Pune by Gera Developments Pvt. Ltd.

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-III, Maharashtra in its th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 109th meetings.

2. It is noted that the proposal is considered by SEAC-III under screening category 8 (b) Township and Area Development Projects as per EIA Notification 2006.

Brief Information of the project submitted by you is as below :-

1.Name of Project	Construction of Residential Complex "Green Ville" at S.no 64/1 to 64/6, Kharadi, Pune by Gera Developments Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mrs. Sunaina Gera
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Residential project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC granted vide letter F.No. 21-512/2007-1A.III on 27/12/2007 and revalidated 29/09/2014.
8.Location of the project	S. No. 64/1 to 64/6, Village Kharadi, Pune.
9.Taluka	Haveli
10.Village	Kharadi
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Sanction layout from PMC
	IOD/IOA/Concession/Plan Approval Number: Sanction Plan No. 4013/15 dated 5/3/2016
	Approved Built-up Area: 99675.66
13.Note on the initiated work (If applicable)	EC Granted for total built up area: 1, 94,160.50 sq. m. Total constructed work: 1,25,012.90 sq. m. Work in progress as per old EC, dated 27/12/2007 and revalidated 29/09/2014.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	1, 58,600.00 m2
16.Deductions	59,213.50 m2
17.Net Plot area	99,386.50 m2
18.Proposed Built-up Area (FSI & Non-FSI)	**FSI area (sq. m.):** 99,675.05m2
	Non FSI area (sq. m.): 68,396.75 m2
	Total BUA area (sq. m.): 1,68,071.75 m2
19.Total ground coverage (m2)	18592.13 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.70

21.Estimated cost of the project	3700000000

22.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

23.Total Water Requirement

Dry season:	Source of water	PMC
	Fresh water (CMD):	342.4
	Recycled water - Flushing (CMD):	171.2
	Recycled water - Gardening (CMD):	114.9
	Swimming pool make up (Cum):	20
	Total Water Requirement (CMD) :	513.6 (fresh + recycled flushing)
	Fire fighting - Underground water tank(CMD):	780 cum
	Fire fighting - Overhead water tank(CMD):	20000 lits per building
	Excess treated water	83.7
Wet season:	Source of water	PMC
	Fresh water (CMD):	342.4
	Recycled water - Flushing (CMD):	171.2
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	20
	Total Water Requirement (CMD) :	513.6 (fresh + recycled flushing)
	Fire fighting - Underground water tank(CMD):	780 cum
	Fire fighting - Overhead water tank(CMD):	20000 lits per building
	Excess treated water	198.6
Details of Swimming pool (If any)	Dimension of Swimming Pool: 25 m. x 12.5 m x 1.2 mWater requirement for make up in kld: 20 Details of Plant & Machinery used for treatment of Swimming pool water: Details of quality to be achieved for swimming pool water and parameters to be monitored: pH 7.2 - 7.6Total Alkalinity 80 - 120 ppmCalcium Hardness -200 ppm MinimumTotal Dissolved Solids >1500 ppmFree chlorine 1 1.5 ppm*Super-chlorination at least 3.0/5.0 ppm Shock Treatment (heavy algae) at least 10 ppm (mg/1)Cyanuric Acid (Stabilizer) > 100 ppm (mg/1)Capital cost: Rs.72,00,000/- O&M Cost: Rs. 2,40,000/-	

24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

25.Rain Water Harvesting (RWH)	Level of the Ground water table:	i) Pre Monsoon:15 to 20 Mt. below ground level (ii) Post Monsoon:6 to 8 Mt. below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	15 recharge borewell and 20 recharge pits
	Size of recharge pits :	filter pits of 2 Mt. x 2 Mt. x 2 Mt. dimensions
	Budgetary allocation (Capital cost) :	Rs.18,00,000 /-
	Budgetary allocation (O & M cost) :	Rs. 3,60,000 /-
	Details of UGT tanks if any :	Existing: - Domestic UG tank Capacity: 333 m3 - Flushing UG tank Capacity: 167 m3 - Fire UG tank Capacity: 780 m3
26.Storm water drainage	Natural water drainage pattern:	Natural water drainage pattern: The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits.
	Quantity of storm water:	2.90-2.20 m3/min
	Size of SWD:	250 m
27.Sewage and Waste water	Sewage generation in KLD:	410
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. of 430 kld
	Location & area of the STP:	301.8sqm.
	Budgetary allocation (Capital cost):	Rs. 90,00,000/-
	Budgetary allocation (O & M cost):	Rs. 1,50,000/-

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Total labour Solid Waste Generation : 30 Kg/day Wet waste generation: 18 kg/day Dry waste generation: 12 kg/day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling
Waste generation in the operation Phase:	**Dry waste:**	761
	Wet waste:	Total Biodegradable waste: 1141.5 kg/day Treated in Vermicomposting: 591.5Kg/day Treated in Organic waste converter:550kg/day
	Hazardous waste:	not applicable
	Biomedical waste (If applicable):	not applicable
	STP Sludge (Dry sludge):	approx.61.5 kg/day
	Others if any:	not applicable
Mode of Disposal of waste:	**Dry waste:**	Dry waste will be segregated into recyclable and non-recyclable waste. Non degradable waste will be handed over to authorized vendor.
	Wet waste:	Biodegradable waste will be treated in Organic Waste Converter
	Hazardous waste:	not applicable
	Biomedical waste (If applicable):	not applicable
	STP Sludge (Dry sludge):	Dried sludge from STP will be used as manure
	Others if any:	not applicable
Area requirement:	**Location(s):**	Near wing A3
	Area for the storage of waste & other material:	40 sqm for the storage of waste and machinery
	Area for machinery:	40 sqm for the storage of waste and machinery
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.30,00,000/-
	O & M cost:	Rs.5,00,000/-

29.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

30.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

31.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	dg set of 250 kvA * 4	57 l/hr	1	3.1	5 inch	450 °C
2	dg set of 320 kvA * 2	83 l/hr	2	3.5	5 inch	522 °C

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
33.Source of Fuel		Not applicable		
34.Mode of Transportation of fuel to site		Not applicable		

35.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	125 kvA
	During Operation phase (Connected load):	6600 KW
	During Operation phase (Demand load):	5600 KW
	Transformer:	630 KVA *10 Nos.
	DG set as Power back-up during operation phase:	250KVAx 4 nos. and 320 KVA x2 nos.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

Energy saving by non-conventional method:

. Use of T5/CFL in Parking area, lift-lobby and stair-case
2. Use of Low voltage CFL in Place of Metal Halide in External Lights
3. Use of Solar Water Heaters in kitchen of each Flat
4. Use CFL in all the internal Toilet area
? Energy Saving using T5 fixture with Electronic Ballast Against T8, FTL fixture with Electromagnetic ballast for all buildings
? Energy Saving using Automatic Timer operation Against Manual operation for EXTERNAL & common Lighting :
? Saving in losses using High Effici

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

1	? Energy Saving using T5 fixture with Electronic Ballast Against T8, FTL fixture with Electromagnetic ballast for all buildings ? Energy Saving using Automatic Timer operation Against Manual operation for EXTERNAL & common Lighting : ? Saving in losses using High Efficient Transformer Against Conventional Transformer ? Energy Saving using Solar Water Heater Against Electrical water Heater	6-8 %

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	30,00,000/-
	O & M cost:	7,50,000 /-

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air environment	Erosion control, dust suppression measures, top soil preservation	16,16,998.3/-
2	Land	Labor Camp toilets	9,74,000/-
3	Health & safety	Labor Safety Equipment and training	2,70,000/-
4	Environment	Environmental Monitoring (Per Year)	1,85,600/-
5	Health & safety	Disinfection and Health Check-ups(Per Year)	7,56,000/-
6	Environmental Management	Environmental Monitoring Cell	2,02,000/-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 stp	90,00,000/-	1,50,000/-
2	Rain Water Harvesting & Storm water Networking	15 recharge borewell and 20 recharge pits	18,00,000/-	3,60,000/-
3	Solid Waste Management	Biodegradable waste will be treated in Organic Waste Converter and by vermicomposting	30,00,000/-	5,00,000/-
4	Green Belt Development	Development and maintenance of green area	65,00,000/-	4,00,000/-
5	Solar Street Light	Solar Street Light	10,00,000/-	2,50,000/-
6	Solar water heating	Solar water heating	20,00,000/-	5,00,000/-
7	Swimming Pool	Swimming Pool	72,00,000/-	2,40,000/-
8	Environmental Monitoring	Air, water, noise, soil, manure	-	2,30,000/-
9	Safety training & awareness	Safety training & awareness	0.25/-	0.5/-

39.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Any Other Information

No Information Available

	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (b) Township and Area Development Projects
	Court cases pending if any	-
	Other Relevant Informations	We request you, to consider our application for minor amendment of our environmental clearance in the purview of letter dated 29.11.2014 of Honorable Addl Chief Secretary, Environment Department, and Government of Maharashtra regarding amendment of environmental clearance issued to building construction projects. We have compiled all conditions stated in environmental clearance granted by MoEF&CC, further all amenities, facilities and open space have been provided as per Pune Municipal Corporation D.C rules.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	08-06-2016

3. The proposal has been considered by SEIAA in its 109th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

General Conditions:

I	E-waste shall bedisposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
II	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.
III	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
IV	PP has to abide by the conditions stipulated by SEAC& SEIAA.
V	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
VI	If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
VII	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
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	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.
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	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.
XVI	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.
XVII	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.
XVIII	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.
XIX	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
XX	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.
XXI	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.
XXII	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).
XXIII	Ready mixed concrete must be used in building construction.
XXIV	Storm water control and its re-use as per CGWB and BIS standards for various applications.
XXV	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
XXVI	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
XXVII	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated affluent, if any should be discharge in the sewer line.Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated affluent, if any should be discharge in the sewer line.Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
XXVIII	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.
XXIX	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
XXX	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.
XXXI	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.
XXXII	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
XXXIII	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.
XXXIV	Diesel power generating sets proposed as source 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 DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
XXXV	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.
XXXVI	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.
XXXVII	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
XXXVIII	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
XXXIX	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.
XL	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.

XLI	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.
XLII	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.
XLIII	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.
XLIV	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of 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, NOx (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
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 as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune),New Administrative Building, 1stFloor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Shri Satish.M.Gavai (Member Secretary SEIAA)

Copy to:

1. SHRI ANAND. B. KULKARNI, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI JOHNY JOSEPH, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. MUNICIPAL COMMISSIONER PUNE
10. REGIONAL OFFICE MPCB PUNE
11. REGIONAL OFFICE MIDC PUNE
12. COLLECTOR OFFICE PUNE

ULTRA TECH™
Environmental Consultancy & Laboratory
Lab.Gazetted by MoEF&CC-Govt. of India [Recognized for period 02.06.2016 to 01.06.2021]
Lab. Accredited by NABL - ISO/IEC 17025:2017 [TC-5600,Valid until 27.05.2021 in the field of Testing]
QCI-NABET Accredited EIA Consulting Organization
STP/ETP/WTP Project Management Consultants
ISO 9001 : 2015
OHSAS 18001 : 2007
Lab :Survey No. 93/A, Conformity Hissa No.2 G.V.Brothers Bldg., Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India.
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TEST REPORT

ISSUED TO: GERA DEVELOPMENTS PVT. LTD.
For Your Project: **'Gera's Green Ville'**
Sy. No. 64, Kharadi, Pune.

REPORT NO. : UT/ELS/REPORT/C-149/10-2020
ISSUE DATE : 28/10/2020
YOUR REF. : LOI
REF. DATE : 02/10/2020

SAMPLE PARTICULARS :

AMBIENT AIR QUALITY MONITORING

Sampling Plan Ref. No.:	: C-20/06-2020	**Location Code**	:	01
Sample Registration Date	: 20/06/2020	**Sample Location**	:	Near Main Gate Co-ordinates: N18°33'30.39"; E73°57'19.56"
Date of Sampling	: 18/06/2020			
Time of Sampling	: 14:30 Hrs. to 22:30 Hrs.			
Analysis Starting Date	: 20/06/2020	**Collected By**	:	ULTRA-TECH
Analysis Completion Date	: 23/06/2020	**Height of Sampler**	:	4.0 Meter
Sample Lab Code	: UT/ELS/C-121/06-2020	**Sampling Duration**	:	08 Hours
Ambient Air Temperature	: 25.6 °C to 31.4 °C	**Relative Humidity**	:	52.0 % to 76.0 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO_2)	IS 5182 (Part 02) : 2001	12	µg/m³
2.	Oxides of Nitrogen (NO_x)	IS 5182 (Part 06) : 2006	22	µg/m³
3.	Particulate Matter (PM_{10})	EPA/625/R-96/010a Method IO-2.1	80	µg/m³
4.	Particulate Matter ($PM_{2.5}$)	CPCB Guidelines, Vol-I, NAAQMS/36/2012-13	26	µg/m³
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.4	mg/m³

†: Sampling Period 1 Hr.

Opinions / Interpretations: *National Ambient Air Quality Monitoring Standard, Part III- Section IV is provided as Annexure-I for your reference. (Turnover to find Annexure).*

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make –ENVIROTECH; Model –APM460BL; Sr. No. 853-DTD-2007	Valid up to – 06/10/2020
	Fine Dust Sampler	Make – ENVIROTECH; Model-APM 550; Sr. No. 488-DTJ-2010	Valid up to – 06/10/2020

Note:
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3. This test report may not be reproduced in part, without the permission of this laboratory.
4. Any correction invalidates this test report.
5. Weather was Sunny & Clear throughout monitoring period.

– END OF REPORT –

ULTRA-TECH * Gazetted by MoEF Govt. of India * THANE (W) INDIA PIN-400 601 * ENVIRONMENTAL CONSULTANCY & LABORATORY

For ULTRA-TECH,

(Authorized Signatory)

ANNEXURE-I

NATIONAL AMBIENT AIR QUALITY STANDARDS, PART III-SECTION IV
The Gazette of India with Effect from Wednesday, November 18, 2009/KARTIKA 27, 1931

Sr. No.	Pollutants	Time Weighted Average	*National Ambient Air Quality Standards*	
			Industrial, Residential, Rural and Other Area	Ecological Sensitive Area (Notified by Central Government)
01.	Sulphur Dioxide (SO_2), µg/m³	Annual*	50	20
		24 Hours**	80	80
02.	Oxides of Nitrogen (NO_x), µg/m³	Annual*	40	30
		24 Hours**	80	80
03	Particulate Matter (PM_{10}), µg/m³	Annual*	60	60
		24 Hours**	100	100
04.	Particulate Matter ($PM_{2.5}$), µg/m³	Annual*	40	40
		24 Hours**	60	60
05.	Carbon Monoxide (CO), mg/m³	08 Hours*	02	02
		01 Hours**	04	04

* Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

** 24 hourly or 8 hourly or 1 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

NOTE: Whenever and wherever monitoring results on two consecutive days of monitoring exceed the limits specified above for the respective category, it shall be considered adequate reason to institute regular or continuous monitoring and further

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TEST REPORT

ISSUED TO: GERA DEVELOPMENTS PVT. LTD.
For Your Project: 'Gera's Green Ville'
Sy. No. 64, Kharadi, Pune.

REPORT NO. : UT/ELS/REPORT/C-150/10-2020
ISSUE DATE : 28/10/2020
YOUR REF. : LOI
REF. DATE : 02/10/2020

SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING

Sampling Plan Ref. No.:	: C-19/06-2020	**Location Code**	:	02
Sample Registration Date	: 20/06/2020	**Sample Location**	:	Near A-3 Building Co-ordinates: N18°33'29.53"; E73°57'24.08"
Date of Sampling	: 18/06/2020 to 19/06/2020			
Time of Sampling	: 23:00 Hrs. to 07:00 Hrs.			
Analysis Starting Date	: 20/06/2020	**Collected By**	:	ULTRA-TECH
Analysis Completion Date	: 23/06/2020	**Height of Sampler**	:	1.0 Meter
Sample Lab Code	: UT/ELS/C-122/06-2020	**Sampling Duration**	:	08 Hours
Ambient Air Temperature	: 25.1 °C to 30.8 °C	**Relative Humidity**	:	52.0% to 76.0 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO_2)	IS 5182 (Part 02) : 2001	14	µg/m³
2.	Oxides of Nitrogen (NO_x)	IS 5182 (Part 06) : 2006	23	µg/m³
3.	Particulate Matter (PM_{10})	EPA/625/R-96/010a Method IO-2.1	78	µg/m³
4.	Particulate Matter ($PM_{2.5}$)	CPCB Guidelines, Vol-I, NAAQMS/36/2012-13	27	µg/m³
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.1	mg/m³

†: Sampling Period 1 Hr.

Opinions / Interpretations: *National Ambient Air Quality Monitoring Standard, Part III- Section IV is provided as Annexure-I for your reference. (Turnover to find Annexure).*

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make –ENVIROTECH; Model –APM460BL; Sr. No. 853-DTD-2007	Valid up to – 06/10/2020
	Fine Dust Sampler	Make – ENVIROTECH; Model-APM 550; Sr. No. 488-DTJ-2010	Valid up to – 06/10/2020

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4. Any correction invalidates this test report.
5. Weather was Sunny & Clear throughout monitoring period.

- END OF REPORT -

ULTRA-TECH ENVIRONMENTAL CONSULTANCY & LABORATORY Gazetted by MoEF Govt. of India THANE (W) INDIA PIN-400 601

For **ULTRA-TECH,**

(Authorized Signatory)

ANNEXURE-I

NATIONAL AMBIENT AIR QUALITY STANDARDS, PART III-SECTION IV
The Gazette of India with Effect from Wednesday, November 18, 2009/KARTIKA 27, 1931

Sr. No.	Pollutants	Time Weighted Average	*National Ambient Air Quality Standards*	
			Industrial, Residential, Rural and Other Area	Ecological Sensitive Area (Notified by Central Government)
01.	Sulphur Dioxide (SO_2), $\mu g/m^3$	Annual*	50	20
		24 Hours**	80	80
02.	Oxides of Nitrogen (NO_x), $\mu g/m^3$	Annual*	40	30
		24 Hours**	80	80
03	Particulate Matter (PM_{10}), $\mu g/m^3$	Annual*	60	60
		24 Hours**	100	100
04.	Particulate Matter ($PM_{2.5}$), $\mu g/m^3$	Annual*	40	40
		24 Hours**	60	60
05.	Carbon Monoxide (CO), mg/m^3	08 Hours*	02	02
		01 Hours**	04	04

* Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

** 24 hourly or 8 hourly or 1 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

NOTE: Whenever and wherever monitoring results on two consecutive days of monitoring exceed the limits specified above for the respective category, it shall be considered adequate reason to institute regular or continuous monitoring and further

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TEST REPORT

ISSUED TO: GERA DEVELOPMENTS PVT. LTD.
For Your Project: **'Gera's Green Ville'**
Sy. No. 64, Kharadi, Pune.

REPORT NO. : UT/ELS/REPORT/C-151/10-2020
ISSUE DATE : 28/10/2020
YOUR REF. : LOI
REF. DATE : 02/10/2020

SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING

Sampling Plan Ref. No.:	:	C-19/06-2020	**Location Code**	:	03
Sample Registration Date	:	20/06/2020	**Sample Location**	:	Near B-1 Building Co-ordinates: N18°33'25.43"; E73°57'27.82"
Date of Sampling	:	19/06/2020			
Time of Sampling	:	07:30 Hrs. to 15:30 Hrs.			
Analysis Starting Date	:	20/06/2020	**Collected By**	:	ULTRA-TECH
Analysis Completion Date	:	23/06/2020	**Height of Sampler**	:	1.0 Meter
Sample Lab Code	:	UT/ELS/C-123/06-2020	**Sampling Duration**	:	08 Hours
Ambient Air Temperature	:	25.6°C to 30.6 °C	**Relative Humidity**	:	52.0% to 78.0 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO_2)	IS 5182 (Part 02) : 2001	15	$\mu g/m^3$
2.	Oxides of Nitrogen (NO_x)	IS 5182 (Part 06) : 2006	25	$\mu g/m^3$
3.	Particulate Matter (PM_{10})	EPA/625/R-96/010a Method IO-2.1	77	$\mu g/m^3$
4.	Particulate Matter ($PM_{2.5}$)	CPCB Guidelines, Vol-I, NAAQMS/36/2012-13	26	$\mu g/m^3$
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.5	mg/m^3

†: Sampling Period 1 Hr.

Opinions / Interpretations: *National Ambient Air Quality Monitoring Standard, Part III- Section IV is provided as Annexure-I for your reference. (Turnover to find Annexure).*

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make –ENVIROTECH; Model –APM460BL; Sr. No. 853-DTD-2007	Valid up to – 06/10/2020
	Fine Dust Sampler	Make – ENVIROTECH; Model-APM 550; Sr. No. 488-DTJ-2010	Valid up to – 06/10/2020

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5. Weather was Sunny throughout monitoring period.

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For ULTRA-TECH,

(Authorized Signatory)

ANNEXURE-I

NATIONAL AMBIENT AIR QUALITY STANDARDS, PART III-SECTION IV
The Gazette of India with Effect from Wednesday, November 18, 2009/KARTIKA 27, 1931

Sr. No.	Pollutants	Time Weighted Average	*National Ambient Air Quality Standards*	
			Industrial, Residential, Rural and Other Area	Ecological Sensitive Area (Notified by Central Government)
01.	Sulphur Dioxide (SO_2), $\mu g/m^3$	Annual* 24 Hours**	50 80	20 80
02.	Oxides of Nitrogen (NO_x), $\mu g/m^3$	Annual* 24 Hours**	40 80	30 80
03	Particulate Matter (PM_{10}), $\mu g/m^3$	Annual* 24 Hours**	60 100	60 100
04	Particulate Matter ($PM_{2.5}$), $\mu g/m^3$	Annual* 24 Hours**	40 60	40 60
05.	Carbon Monoxide (CO), mg/m^3	08 Hours* 01 Hours**	02 04	02 04

* Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

** 24 hourly or 8 hourly or 1 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

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TEST REPORT

ISSUED TO: GERA DEVELOPMENTS PVT. LTD.
For Your Project: **'Gera's Green Ville'**
Sy. No. 64, Kharadi, Pune.

REPORT NO. : UT/ELS/REPORT/C-152/10-2020
ISSUE DATE : 28/10/2020
YOUR REF. : LOI
REF. DATE : 02/10/2020

SAMPLE PARTICULARS : **NOISE LEVEL QUALITY MONITORING**

Sampling Plan Ref. No. : C-20/06-2020
Date of Monitoring : 18/06/2020 to 19/06/2020
Sample Lab Code : UT/ELS/C-124/06-2020
Survey Done By : ULTRA-TECH

Sr. No.	Location	Noise Level Reading in dB(A)			
		Time (Hrs)	Day dB(A)	Time (Hrs)	Night dB(A)
01.	Near Main Gate	12:00 to 12:05	54.5	00:00 to 00:05	43.6
02.	Near Building A3	12:10 to 12:15	52.3	00:10 to 00:15	42.9
03.	Near Building B2	12:20 to 12:25	51.8	00:20 to 00:25	41.5
04.	Near Site Office	12:30 to 12:35	53.6	00:30 to 00:35	43.4

Opinions / Interpretations: *The Noise Pollution (Regulation And Control) Rules, 2000: Is Provided as Annexure II for Your Reference. (Turnover to find Annexure).*

Note:
1. Monitoring area coming under Residential Area.
2. Noise level monitored is an average for period as stated above, the permissible sound pressure level is to be determined with respect to the total time a workman is being exposed (continuously or a number of short term exposures per day) in Hrs.

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Sound Level Meter	Make – Lutron; Model – SL-4030; Sr. no. Q-623339	Valid up to – 27/12/2020

Note:
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For ULTRA-TECH,

(Authorized Signatory)

ANNEXURE-II

THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000

(The Principal Rules were published in the Gazette of India, vide S.O. 123(E), dated 14.2.2000 and subsequently amended vide S.O. 1046(E), dated 22.11.2000, S.O. 1088(E), dated 11.10.2002, S.O. 1569 (E), dated 19.09.2006 and S.O. 50 (E) dated 11.01.2010 under the Environment (Protection) Act, 1986.)

• SCHEDULE

(See rule 3(1) and 4(1))

Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area / Zone	Limits in dB(A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Note:
1. Day time shall mean from 6.00 a.m. to 10.00 p.m.
2. Night time shall mean from 10.00 p.m. to 6.00 a.m.
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

* dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

A "decibel" is a unit in which noise is measured.

"A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

Leq: It is energy mean of the noise level over a specified period.

• CONSTRUCTION ACTIVITIES

The maximum noise levels near the construction site should be limited to 75 dB(A) Leq(5 min.) in industrial areas and to 65 dB(A) Leq(5 min.) in other areas.

• THE PERMISSIBLE LEVELS FOR NOISE EXPOSURE FOR WORK ZONE

(The Model Rules Of The Factories Act, 1948)

Peak sound pressure level in dB	Permitted number of impulses or impact/day
140	100
135	315
130	1000
125	3160
120	10000

Notes:
1. No exposure in excess of 140 dB peak sound pressure level is permitted.
2. For any peak sound pressure level falling in between any figure and the next higher or lower figure as indicated in column 1,the permitted number of impulses or impacts per day is to be determined by extrapolation on a proportionate basis.

Total time exposure (continuous or a number of short term exposures per day) in Hrs	Sound Pressure Level in dB(A)
8	90
4	93
2	96
1	99
1/2	102
1/8	108
1/16	111
1/32 (2 minutes) or less	114

Notes:
1. No exposure in excess of 115 dB(A) is to be permitted.
2. For any period of exposure falling in between any figure and the next higher or lower figure as indicated in column 1,the permissible sound pressure level is to be determined by extrapolation on a proportionate basis.

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TEST REPORT

ISSUED TO: GERA DEVELOPMENTS PVT. LTD.
For Your Project: **'Gera's Green Ville'**
Sy. No. 64, Kharadi, Pune.

REPORT NO. : UT/ELS/REPORT/C-153/10-2020
ISSUE DATE : 28/10/2020
YOUR REF. : LOI
REF. DATE : 02/10/2020

SAMPLE PARTICULARS :

Sampling Plan Ref. No.	: C-20/06-2020	**Analysis Starting Date**	: 20/06/2020
Sample Registration Date	: 20/06/2020	**Analysis Completion Date**	: 22/06/2020
Date of Sampling	: 19/06/2020	**Sample Lab Code**	: UT/ELS/C-125/06-2020
Time of Sampling	: 10:30Hrs. to 11:30Hrs.	**Sample Collected By**	: ULTRA-TECH

STACK EMISSIONS QUALITY MONITORING

STACK DETAILS

Stack ID	: S-01	**Stack Height**	: 5 Meter from Ground Level
Stack Attached To	: D. G. Set (125 KVA)	**Stack Diameter**	: 0.1016 Meter @ Sampling Point
Stack Shape	: Round	**Fuel Used**	: Diesel
Stack MOC	: M.S.	**Fuel Consumption**	: 8Liters/hr

FLUE GAS CHARACTERISTICS

Flue Gas Temperature	: 387	^{0}K	**Volumetric Flow Rate**	: 140	Nm^3/hr
Flue Gas Velocity	: 6.9	m/sec	**Total Volume of Flue Gas**	: 1.000	Nm^3 (@ STP)

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Total Particulate Matter (TPM)	UT/LQMS/SOP/SE01	12	mg/Nm^3
2.	Sulphur Dioxide (SO_2)	IS 11255 (Part 02) : 1985	7	mg/Nm^3

Opinions / Interpretations: *Nil.*

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Stack Sampling Kit	Make - POLLTECH; Model - PEM - SMS 4; Sr. No. 2613	Valid up to - 12/01/2021

Note:
1. This test report refers only to the sample tested.
2. This test report is valid at the time of and under the conditions specified herein.
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For ULTRA-TECH,

(Authorized Signatory)

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TEST REPORT

ISSUED TO: GERA DEVELOPMENTS PVT. LTD.
For Your Project: 'Gera's Green Ville'
Sy. No. 64, Kharadi, Pune.

REPORT NO. : UT/ELS/REPORT/C-154/10-2020
ISSUE DATE : 28/10/2020
YOUR REF. : LOI
REF. DATE : 02/10/2020

SAMPLE PARTICULARS :

WATER SAMPLE ANALYSIS

Sampling Plan Ref. No.	:	C-20/06-2020	**Sample Type**	:	Bore well Ground Water
Sample Registration Date	:	20/06/2020	**Sample Location**	:	Near Building No.B 1
Date & Time of Sampling	:	19/06/2020 at 11:00Hrs			
Analysis Starting Date	:	20/06/2020			
Analysis Completion Date	:	27/06/2020	**Sample Quantity & Packing Details**	:	2 L in Plastic Container for physico-chemical parameters and 100ml in Sterile Corning Bottle for bacteriological parameters.
Sample Collected By	:	ULTRA-TECH			
Sample Lab Code	:	UT/ELS/C-126/06-2020			

Sr. No.	Test Parameter	Test Method	Test Result	Unit
PHYSICAL PARAMETERS:-				
1.	Turbidity	IS 3025 (Part 10) 1984	2.1	NTU
CHEMICAL PARAMETERS:-				
2.	pH	IS 3025 (Part 11) 1983	7.7	-
3.	Electrical Conductivity	IS 3025 (Part 14) 1984	840	µS/cm
4.	Total Dissolved Solids	IS 3025 (Part 16) 1984	544	mg/L
5.	Total Hardness as $CaCO_3$	IS 3025 (Part 21) 2009	310	mg/L
6.	Total Alkalinity as $CaCO_3$	IS 3025 (Part 23) 1986	292	mg/L
7.	Phenolphthalein Alkalinity as $CaCO_3$	IS 3025 (Part 23) 1986	BDL[DL=1]	mg/L
8.	Sulphate as SO_4^{2-}	APHA 23rd Ed. 4500-SO42- E	76	mg/L
9.	Phosphate as PO_4^{3-}	APHA 23rd Ed. 4500 P D	BDL[DL=0.01]	mg/L
10.	Chlorides as Cl^-	IS 3025 (Part 32) 1988	90	mg/L
11.	Ammonical Nitrogen as NH_3-N	APHA 23rd Ed. 4500- NH3-F	BDL [DL=0.01]	mg/L
12.	Nitrates as NO_3^--N	IS 3025 (Part 34) 1988	0.9	mg/L
13.	Calcium Hardness as $CaCO_3$	IS 3025 (Part 40) 1991	184	mg/L
14.	Calcium as Ca	IS 3025 (Part 40) 1991	74	mg/L
15.	Potassium as K	IS 3025 (Part 45) 1993	4.8	mg/L
16.	Sodium as Na	IS 3025 (Part 45) 1993	55	mg/L
17.	Magnesium as Mg	IS 3025 (Part 46) 1994	31	mg/L
18.	Lead as Pb	IS 3025 (Part 47) 1994	BDL [DL=0.6]	mg/L
19.	Iron as Fe	IS 3025 (Part 53) 2003	BDL [DL=0.06]	mg/L
20.	Fluoride as F	APHA 23rd Ed. 4500-F- D	0.7	mg/L
BACTERIOLOGICAL PARAMETERS:				
21.	Total Coliform	IS 1622 : 1981	17	MPN/100 ml
22.	F.Coli	IS 1622 : 1981	BDL[DL=2]	MPN/100 ml
23.	E.Coli	IS 1622 : 1981	Absent	-

DL – Detection Limit BDL – Below Detection Limit

Opinions / Interpretations: *Nil.*

Note:
1. This test report refers only to the sample tested.
2. This test report may not be reproduced in part, without the permission of this laboratory.
3. Any correction invalidates this test report.

- END OF REPORT -

ULTRA-TECH * Gazetted by MoEF Govt. of India * THANE (W) INDIA PIN-400 601 * ENVIRONMENTAL CONSULTANCY & LABORATORY *

For ULTRA-TECH

D.A. Karnik

(Authorized Signatory)

ULTRA TECH (TM)
Environmental Consultancy & Laboratory
Lab.Gazetted by MoEF&CC-Govt. of India [Recognized for period 02.06.2016 to 01.06.2021]
Lab. Accredited by NABL - ISO/IEC 17025:2017 [TC-5600,Valid until 27.05.2021 in the field of Testing]
QCI-NABET Accredited EIA Consulting Organization
STP/ETP/WTP Project Management Consultants
ISO 9001 : 2015
OHSAS 18001 : 2007
Lab :Survey No. 93/A, Conformity Hissa No.2 G.V.Brothers Bldg., Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India.
Tele : +91 22 2547 49 07 / +91 22 2547 62 17 Email : lab@ultreatech.in Visit us at : www.ultratech.in

TEST REPORT

ISSUED TO: GERA DEVELOPMENTS PVT. LTD.
For Your Project: 'Gera's Green Ville'
Sy. No. 64, Kharadi, Pune.

REPORT NO. : UT/ELS/REPORT/C-155/10-2020
ISSUE DATE : 28/10/2020
YOUR REF. : LOI
REF. DATE : 02/10/2020

SAMPLE PARTICULARS : **SOIL QUALITY MONITORING**

Sampling Plan Ref. No. : C-20/06-2020
Sample Registration Date : 20/06/2020
Date & Time of Sampling : 19/06/2020 at 11:30 Hrs.
Analysis Starting Date : 20/06/2020
Analysis Completion Date : 29/06/2020
Sample Collected By : ULTRA TECH
Sample Lab Code : UT/ELS/C-127/06-2020

Sample Type : Surface Soil (at 15cm depth)
Sample Location : Near Building B2
Sample Quantity & Packing Details : 1kg In Plastic Bag Contained in Zip Lock Bag

Sr. No.	Test Parameter	Test Methods	Test Result	Unit
1.	Moisture Content	IS:2720 (Part 2) : 1973	5.4	%
2.	Bulk Density	UT/LQMS/SOP/S03	1103	kg/m³
3.	Organic Matter	IS:2720 (Part 22) : 1972	1.0	%
4.	Total Organic Carbon	IS:2720 (Part 22) : 1972	0.6	%
5.	pH	IS:2720 (Part 26) : 1987	7.2	-
6.	Conductivity(1:2soil:Water Extract)	IS:14767- 2000	0.377	mS/cm
7.	Sodium as Na (Water Extractable)	UT/LQMS/SOP/S19	81	mg/kg
8.	Magnesium as Mg (Water Extractable)	UT/LQMS/SOP/S22	61	mg/kg
9.	Chlorides as Cl^- (Water Extractable)	UT/LQMS/SOP/S23	68	mg/kg
10.	Sulphate as SO_4^{2-} (Water Extractable)	UT/LQMS/SOP/S24	66	mg/kg
11.	Sodium Adsorption Ratio	UT/LQMS/SOP/S26	1.1	$(meq/kg)^{1/2}$
12.	Cation Exchange Capacity	UT/LQMS/SOP/S18	27.1	meq/100g
13.	Water Holding Capacity	UT/LQMS/SOP/S12	53.3	%
14.	Available Boron as B (Available)	UT/LQMS/SOP/S27	0.9	mg/kg
15.	Phosphorous as P_2O_5 (Available)	UT/LQMS/SOP/S28	72	kg/ha
16.	Potassium as K_2O (Available)	UT/LQMS/SOP/S29	251	kg/ha
17.	Nitrogen as N (Available)	UT/LQMS/SOP/S30	159	Kg/ha
18.	Iron as Fe	UT/LQMS/SOP/S35&S37	74353	mg/kg
19.	Zinc as Zn	UT/LQMS/SOP/S35&S37	89	mg/kg

Opinions / Interpretations: *NIL*

Note:
1. This test report refers only to the sample tested.
2. This test report may not be reproduced in part, without the permission of this laboratory.
3. Any correction invalidates this test report.

– END OF REPORT –

ULTRA-TECH * LABORATORY * Gazetted by MoEF Govt. of India * THANE (W) INDIA PIN-400 601 * ENVIRONMENTAL CONSULTANCY &

For ULTRA-TECH

(Authorized Signatory)

JAGADISH P. DESHPANDE
architect

Date: 14/02/2019

To,
The Member Secretary,
Maharashtra Pollution Control Board,
Kalpataru Point, Sion (East),
Mumbai - 400 022.

Sub.: Consent to Operate for the Project located at S. No. **64/1 to 64/6,** Village: **Kharadi,** Taluka: **Haveli,** Dist. **Pune,** Maharashtra of **M/s. Gera Developments Pvt. Ltd.,.**

Respected Sir,

With reference to above mentioned project, I would like to state as follows:

1) M/s. Gera Developments Pvt. Ltd., had obtained Environmental Clearance for construction of the said project from Environment Department, Government of Maharashtra vide Letter No. F.No.21-512/2007-IA III, dated 27/012/2007, for plot area of 158600.00 Sq.m. & built-up area of 194160.50 Sq.m. (F.S.I. + Non F.S.I.). As per amendment plan the developer had received revised EC vide Letter No. F.No.- SEAC-2016/C.R.424/TC-1, dated 24th April 2017 for plot area of 158600.00 Sq.m. & built-up area of 168071.75 Sq.m. (F.S.I. + Non F.S.I.).

2) Further Consent to Establish was obtained from MPCB for plot area of 158600.00 Sq.m. & built-up area of 194160.50 Sq.m. (vide Consent No. BO/RO (P&P)/EIC No. PN2392-08/2890-09/O/CC-145, dated 05/05/2009) & Consent to Operate was obtained from MPCB for plot area of 158600.00 Sq.m. & built-up area 147214.98 Sq.m. (vide Consent No. BO/RO-HQ/CC-1808000048, dated 01/08/2018).

3) Further Consent to Establish was obtained from MPCB for plot area of 158600.00 Sq.m. & remaining built-up area of 20856.77 Sq.m. (i.e. 168071.75 Sq.m. [EC] - 147214.98 Sq.m. [part operate] (vide Consent No. BO/RO-HQ/CC-1808000046, dated 01/08/2018).

Now **M/s. Gera Developments Pvt. Ltd.,** are applying for consent to operate for built up area 20856.77 Sq.m. for said project.

This is for your reference and further process.

Thanking you,

Yours Sincerely,

(Jagadish P. Deshpande)

Annexure II

Environment Management Plan

Project impact wise environment management

Environmental Component	Phase	Project Activity	Potential Impacts	Mitigation Measures
Air and Noise	Operation Phase	Operation of DG set Vehicular traffic	Air and Noise pollution	Use of DG set as a backup at time of power failure only Monitoring of DG Set for air and noise levels
				Proper routing of traffic
Water	Operation Phase	Sewage generation from project	Generation of sewage	Installation and operation of STP to Treat 100% sewage Use of recycled water for flushing and garden Online monitoring system is installed for continuous monitoring of quality of sewage at outlet Sewage outlet quality is also analyzed by MOEF approved laboratory
Solid waste	Operation Phase	Biodegradable waste generation	Waste generation Public nuisance Water and soil pollution	Collection, segregation and treatment of waste within site premises though organic waste converter and vermicomposting pits.
		Non-biodegradable waste generation	Waste generation Public nuisance	Collection, segregation and disposal though authorized vender or by municipal

Environmental Component	Phase	Project Activity	Potential Impacts	Mitigation Measures
				authority
Ecology	Operation Phase	Introduction of new varieties of pant	Change in ecological pattern of area	Maintenance of landscape comprising of indigenous species

Environment Management Plan also includes setting up environmental services to fulfill project requirements as mentioned in Environmental clearance.

Budgetary allocation for Environmental services

Given costs are projected costs for environmental services of entire project. In-house MEP team along with consultants works for establishment of all environmental services.

In-house Common Area Maintenance Team works for management of environmental services along with other common areas of project.

MAHARASHTRA POLLUTION CONTROL BOARD

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

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

Infrastructure /LSI
Consent order No: Format1.0/BO/RO-HQ/ CC-1808000046 Date-01/08/2018

To,
M/s. Gera Development Pvt. Ltd.
(formerly known as CPI-Gera Reality India Pvt. Ltd.),
S. No. 64/1 to 64/6, Tal.- Kharadi,
Dist.- Pune.

Subject: Consent to Establish (Amendment) for Residential project under Red Category.

Ref :
1. Consent to Establish no. Format 1.0/BO/ROHQ/PN-21478-14/CE/CC-9170 dated 30.9.2014.
2. Environmental Clearance granted vide no. SEAC-2016/CR.424/TC-1 dated 24.04.2017.
3. Minutes of Consent Committee meeting held on 23.3.2018

Your application MPCB-CONSENT-0000026346 Dated: 6/05/2017

For: Consent to Establish (amendment) for Residential project under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous and Other Wastes (M & TM) Rules, 2016and Municipal Solid Waste (Management & Handling) Rule, 2000is 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 (amendment) is granted for a period up to commissioning of the project or 29/9/2019 whichever is earlier.
2. The proposed capital investment of the project is Rs. 9 Crs. (As per C.A. Certificate submitted by project proponent, total CI of the project is Rs. 281 crs.)
3. The Consent to Establish (amendment) is valid for construction of Residential building Project by M/s. Gera Green Ville, S. No. 64/1 to 64/6, Tal.- Kharadi, Dist.- Pune. on total plot area of 158600 sq.m. and remaining construction built up area 20856.77 sq. mtrs (i.e. 168071.75 sq.m.[EC] - 147214.98 sq.m.[part operate]) including utilities and services as per commencement certificate issued by local body.
4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. No.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	NIL	NA	NA
2.	Domestic effluent	410	As per Schedule –I	60% should be reused & recycled and remaining should be discharged in municipal sewer

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

Sr. No.	Description of stack/ source	Capacity	Number Of Stack	Standards to be achieved
1	DG Set	250 KVA	4	As Per Schedule –II
2	DG set	320 KVA	2	As Per Schedule –II

6. Conditions under Solid Waste Management Rules, 2016:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Bio-degradable	1141.5 Kg/Day	OWC /bio-digester	Use as Manure
2	Non-biodegradable	761 Kg/Day	Segregation	Segregate and Hand over to Local Body for recycling
3	STP sludge	61.5 Kg/day		Use as manure

7. Project Proponent shall provide organic waste digester with composting facility or Biogas digester with composting facility.
8. Conditions under Hazardous and Other Wastes (M & TM) Rules, 2016 for treatment and disposal of hazardous waste; NIL.
9. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same should be binding on the industry.
10. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
11. Project Proponent shall comply the Construction and Demolition Waste Management Rules, 2016 which is notified by Ministry of Environment, Forest and Climate Change dtd.29/03/2016.
12. Project Proponent shall submit an affidavit in Board's prescribed format within 15 days regarding the compliance of conditions of EC/CRZ clearance and C to E.
13. Project Component shall comply with the conditions stipulated in Environmental Clearance obtained vide no. SEAC-2016/CR.424/TC-1 dated 24.04.2017.
14. This is issued with overriding effect over previous consent no. Format 1.0/BO/ROHQ/PN-21478-14/CE/CC-9170 dated 30.9.2014.

For and on behalf of the
Maharashtra Pollution Control Board

(Dr. P. Anbalagan, IAS)
Member Secretary

Received Consent fee of –

Sr. No.	Amount(Rs.)	Transaction / DD No.	Date	Drawn On
1	25000	IAXG5385493903	24.05.2017	
2	306155	066096	8.7.11	HDFC Bank (from previous C to E)

Copy to:

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

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have proposed to install Sewage Treatment Plants (STPs) based on MBBR technology with the design capacity of 430 CMD.

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

Sr No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for PH
01	BOD (3 days 27oC)	10
02	Suspended Solids	50
03	COD	100

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

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

The Board reserves its rights to review plans, Specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant should obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto

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

3) The industry should ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

4) The water consumption of the project is as under

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Domestic purpose	362.4 (fresh) + 286.1 (recycled)

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

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

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type Of Fuel	Quantity	UOM	S %	SO_2
1	DG Set (4 x 250 KVA)	Acoustic enclosure	3.1* each	Diesel	57	Lit/Hr	–	–
2	DG set (2 x 320 KVA)		3.5 * each		83	Lit/Hr		

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

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

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

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

Schedule-III
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Establish (amendment)	Rs. 10 lakh*	15 Days	Towards compliance of EC and consent conditions	Upto Commissioning of the project	31.1.2020

*** Existing BG shall be extended upto 31.1.2020**

Schedule-IV

General Conditions:

1) The applicant should provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and should pay to the Board for the services rendered in this behalf.
2) The firm should strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and environmental protection Act 1986 and Solid Waste Management Rules, 2016 and E-Waste (Management) Rules, 2016.
3) Drainage system should be provided for collection of sewage effluents. Terminal manholes should be provided at the end of the collection system with arrangement for measuring the flow. No sewage should be admitted in the pipes/sewers downstream of the terminal manholes. No sewage should find its way other than in designed and provided collection system.
4) Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
5) Conditions for D.G. Set
    a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
    b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) should also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
    c) The industry should take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
    d) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
    e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
    f) D.G. Set should be operated only in case of power failure.
    g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
    h) The applicant should comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
6) Solid Waste – The applicant should provide onsite municipal solid waste processing system &should comply with Solid Waste Management Rules, 2016 & E-Waste (M) Rules, 2016.
7) Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
8) The industry should submit official e-mail address and any change will be duly informed to the MPCB.
9) The firm should submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
10) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.**

Annexure VI

Environmental Management Cell

An environmental management cell is formed & headed by an Environment Manager supported by adequate number of personnel having sufficient educational and professional qualification and experience to discharge responsibilities related to environmental management including statutory compliance, pollution prevention, environmental monitoring, preventive maintenance of pollution control equipment and green belt development & maintenance. The head of the cell directly reports to the top management.

This cell is the nodal agency to co-ordinate and provides necessary services on environmental issues during construction and operation of the project. This department interacts with MPCB, MoEF, CPCB and other environment regulatory agencies. The cell will be effective till handing over of the project to society.

Environmental Management cell implements and review the compliance of the stipulated conditions specified in Environmental Clearance and Consent for Establish. Environmental cell submits six monthly compliance report regarding status of implementation of each stipulated conditions to MoEF. The cell is responsible to obtain Consent for Operate under water Act and Air Act from MPCB. On getting Consent to operate common area maintenance team along with environment management cell take care of maintenance of pollution control Devices. When project will be handed over to society; the project proponent will provide technical knowhow, legal and technical training to society personnel for continuing the EMP.

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 24010437/24020781
/24037124/24035273
Fax : 24044532/24024068
/24023516
Email : jdwater @mpcb.gov.in
Visit At : http://mpcb.gov.in

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

Infrastructure /Red/LSI
Consent order No: Format1.0/BO/JD (WPC)/UAN- /CO/CC- 1906000299
Date 07/06/2019

To,
M/s. Gera Development Pvt Ltd,
S.No. 64/1 to 64/6, Vill: kharadi, Tal-Mulshi
Dist: Pune

Sub: Renewal of Consent for 2nd part consent to Operate with consent to operate for remaining construction BUA and amalgamation of both area of Residential Building Projects is granted under Red category .

Ref: 1. Consent to Established obtained Vide No. Format 1.0/BO/RO(HQ)/CC-1808000046 dt.01.08.2018.
2. Environmental Clearance obtained Vide SEAIA-EC0000000028 DT 24.04.2017
3. Consent to operate vide No. FORMAT 1.0/BO/RO-HQ/CC-1808000048 dt.01.08.2018
3. Your Application vide UAN No. 065617 dt.24.01.2019
4. Minutes of Consent Committee meeting held on 02.05.2019.

For: Renewal of Consent for 2nd part consent to Operate with consent to operate for remaining construction BUA and amalgamation of both area of Residential Building Projects is granted under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous and Other Wastes (M & TM) 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 Operate with renewal is granted for period up to 31.12.2019

2. The proposed capital investment of the project is Rs. 37.00 Cr.
(As per C.A certificate submitted by project proponent)

Renewal of Consent for 2nd part consent to Operate with consent to operate for remaining construction BUA and amalgamation of both area is valid for Residential Building Projects named as **M/s. Gera Development Pvt Ltd, S.No. 64/1 to 64/6, Vill: kharadi, Tal-Mulshi, Dist: Pune** For total plot area of 1,58,600.0 Sqm and completed construction built up area 1,68,071.75 Sq. Sqm out of total construction BUA 1,68,071.75 Sqm including utilities and services and occupancy certificate submitted by project proponent .

3. **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	410	As per Schedule –I	60% should be reused & recycled and remaining should be discharged in municipal sewer

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

Sr. No.	Description of stack/ source	Capacity	Number Of Stack	Standards to be achieved
1	DG Set	250 KVA 4 No	II 1	As Per Schedule II

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

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Wet garbage	1141.0 Kg/Day	Organics waste Converter with composting facility / Biogas digester with composting facility	Used as Manure
2	Dry garbage	771.0 Kg/Day	--	Segregate and Hand over to Local Body for recycling
3.	STP sludge	62.0 Kg/day	STP	Used as manure

6. Conditions under Hazardous and Other Wastes (M & TM) Rules, 2016 for treatment and disposal of hazardous waste; NIL.
7. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same should be binding on the industry.
8. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
9. Project Proponent shall comply the Construction and Demolition Waste Management Rules, 2016 which is notified by Ministry of Environment, Forest and Climate Change dtd.29/03/2016.
10. Project Proponent shall submit an affidavit in Board's prescribed format within 15 days regarding the compliance of conditions of EC/CRZ clearance and C to E.
11. Project Proponent shall install online monitoring systems for BOD, TSS and flow at the outlet of STP.
12. Project Proponent shall Operate and maintain Organic waste digester with composting facility or Biogas digester with composting facility.
13. The applicant should comply with the conditions stipulated in Environmental Clearance Obtained from SEIAA-EC-000000028, Environment Department, Government of Maharashtra, dtd .24.04.2017 for total plot area 1,58,600.0 Sqm and construction BUA 1,68,071.75 sqm.

For and on behalf of the
Maharashtra Pollution Control Board

(E. Ravendiran, IAS)
Member Secretary

Received Consent fee of –

Sr. No.	Amount (Rs.)	Transaction . No.	Date	Drawn On
1	7,40,000/-	CR520190206638082 64	06.02.2019	HDFC Bank

Copy to:

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

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have installed of Sewage Treatment Plants (**STP**) with the design capacity of 430.0**CMD**

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

Sr No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for PH
01	**BOD (3 days 27°C)**	**10**
02	Suspended Solids	20
03	COD	30
04	Residual Chlorine	1 ppm

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

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

The Board reserves its rights to review plans, Specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant should obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto

2) The industry should ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

3) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act.

Sr. no.	**Purpose for water consumed**	**Water consumption quantity (CMD)**
1.	Domestic purpose	513

4) 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 install the Air pollution control (APC)system and also proposed to erect following stack (s) and to observe the following fuel pattern-**

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type Of Fuel	Quantity	UOM	S%	SO_2
1.	DG Set(250 KVA) 4 Nos	Acoustic enclosure	3.16	Diesel/ HSD	55	Lit/Hr	--	--
2.	DG Set (320 KVA) 2 No.	Acoustic enclosure	2.24	Diesel/ HSD	28	Lit/Hr	--	--

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

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

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

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

Schedule-III
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Operate with renewal	Rs. 10 lakh	15 Days	Towards Compliance of EC and consent conditions.	Continuous	31.03.2020

Schedule-IV

General Conditions:

The following general conditions shall apply as per the type of the industry.

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 Rules, 2016 and E-Waste (Management) Rules, 2016.
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) The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
   d) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
   e) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
   f) 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.
   g) D.G. Set shall be operated only in case of power failure.
   h) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
   i) 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 Rules, 2016 & E-Waste (M) Rules, 2016.
7) Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
8) The treated sewage shall be disinfected using suitable disinfection method.
9) The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
10) **The applicant make an application for renewal of consent at least 60 days before the date of the expiry of the consent.**