



Sundar Jagadale <enviconmail@gmail.com>

Post EC Report June 2022..

1 message

Sundar Jagadale <enviconmail@gmail.com>
To: eccompliance-mh@gov.in

18 June 2022 at 16:23

Dear Sir / Madam,

Please find attached herewith the Post EC Report for June 2022 for our project " Park Land " by M/s Yash Vastu Developers located at S. No – 70, Sopan Baug, Ghorpadi,, Tal. Haveli, Dist. Pune
Kindly acknowledge the receipt of the same.

Thanks & Regards,

For M/s. Yash Vastu Developers.
(Park Land)



Yash Vastu Developers_Park Land_Post EC Compliance Report_June 2022.pdf

7010K



Sundar Jagadale <enviconmail@gmail.com>

Post EC Report June 2022..

1 message

Sundar Jagadale <enviconmail@gmail.com>
To: SRO Pune1 <sropune1@mpcb.gov.in>

18 June 2022 at 16:28

Dear Sir / Madam,

Please find attached herewith the Post EC Report for June 2022 for our project " Park Land " by M/s Yash Vastu Developers located at S. No – 70, Sopan Baug, Ghorpadi,, Tal. Haveli, Dist. Pune
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For M/s. Yash Vastu Developers.
(Park Land)



Yash Vastu Developers_Park Land_Post EC Compliance Report_June 2022.pdf
7010K



YASH VASTU DEVELOPERS

Office :

Ahinsa Apartment, 2nd Floor, Prabhat Road
Lane No. 4, 768/18, Deccan Gymkhana,
Pune 411 001. Tel. : (020) 25666220/1

Site Office :

Sr. No. 70 A/1A, 70 A/2 & 70 A/3, Sopanbaug Annexe,
B. T. Kawade Road, Near Balaji Mandir, Next to
Siciliaa Society, Pune - 048 (MH). Tel.: 020-26720131

Date: June 1, 2022

To,
Additional Principal Chief Conservator of Forests,
Ministry of Environment, Forest & Climate Change,
Regional Office (West Central Zone)
Ground Floor, East Wing
"New Secretary Building"
Civil lines, Nagpur- 440 001

**Subject: Half yearly Post Environmental Clearance Compliance
Report
For June 2022...**

**Ref: Environment Clearance Letter No. SEAC-III-2014/CR-148/TC-
3 Dated. 28/01/2016.**

Dear Sir,

Please find enclosed herewith the post environmental clearance compliance reports for June 2022.

Thanking you,

Yours faithfully,

For M/s. Yash Vastu Developers "Park Land"



Authorised Signatory

Encl: A/a

CC: The Regional Officer, MPCB Pune.

**Part – I
Data Sheet**

1	Project type: River-Valley/Mining/Industry/Thermal/Nuclear/Other (specify).	Others (Residential)
2	Name of the project	"Park Land" By M/s. Yash Vastu Developers
3	Clearance letter (s)/OM No. and date	No. SEAC-III-2014/CR-148/TC-3 Dated : 28/01/2016
4	Location: a) District (s) b) State (s) c) Location Latitude/Longitude	S. No – 70, Sopanbaugh, Ghorpadi, Pune. Maharashtra 18°31'22.08"N 73°54'18.01" E
5	Address for correspondence Address of the Concerned Project Chief Engineer (with Pin Code & telephone/telex/fax numbers)	Mr. Paresh Deshpande Fidesto Projects Private Limited Office No: 06, 3rd Floor, Anmol Pride, Baner Road, Baner, Pune – 411045, Telephone number: 9552070244
6	Salient feature	
	a) Of the project	Attached Annexure – I
	b) Of the Environmental management plans	Attached Annexure – II
7	Break up of the project area	Total Plot Area – 25442.89 sq.m. Total Built-up Area – 60510.87 sq.m.
	a) Submergence area: forest and non-Forest	N. A.
	b) Others	N. A.
8	c) Break up of the project affected population with enumeration of those losing houses/dwelling units only agricultural land only Both dwelling units only agricultural land only Both dwelling units & agricultural land & landless laborers/artisans:	N. A.
	a) SC, ST/Adivasi	N. A.
	b) Others	N. A.



9	Financial details:	
	a) Project cost as originally planned and subsequent revised estimates and the year of price reference	87.56 Crores
	b) Allocation made for environmental management plans with item wise and year wise and break-up	Attached, Annexure – III
	c) Benefit cost ratio/Internal rate of Return and the year of assessment	---
	d) Whether © includes the cost of environmental management as shown in the above	Yes.
	e) Actual expenditure incurred on the project so far	49.95 Crores (Up to May 2022)
10	Forest land requirement	N. A.
	a) The status of approvals for diversion of forest land for non-forestry use.	N. A.
	b) The status of clearing felling	N. A.
	c) The status of compensatory afforestation, if any	N. A.
	d) Comments on the viability & Sustainability of compensatory a Forestation programme in the light of actual field experience so far	N. A.
11	The status of clear felling in non-forest areas (Such as submergence area or reservoir, approach Roads.), if any with Quantitative information required.	N. A.

HR



12	Status of construction (Actual &/or planned)	The Project involves construction of Residential- Building A = G+S+S+15 Building B = G+S+S+15 Building C = G+S+S+15 Building D = G+S+S+15 Building E = G+10 Building F To Handover To PMC = G+4 Till date status of construction is as below: (Up to Nov 2020) Building A = G+S+S+12 - Completed Building B = G+S+S+12 - Completed Building C = G+S+S+12 - RCC In progress Building D = G+S+S+15 - Not started yet Building E = G+10 - Not started yet Building F To Handover To PMC = G+4 - Not started yet
	a) Date of commencement (Actual &/or planned)	April 8, 2016
	b) Date of completion (Actual &/or planned)	Building A & B Completed and part OC received on dt. November 27, 2020. Building C - Aug 2022.
13	Reason for the delay if the project is yet to start.	N. A.

Name: Mr. Jayesh Jain**Signature:****Date : June 1, 2022**

LIST OF ANNEXURES

Sr. No.	Particulars	Annexure No.
1	Salient Features of The Project	I
2	Environment Management Plan	II
3	Cost of Environment Management Plan	III
4	Compliance of Environment Clearance Condition	IV
5	Environment Monitoring Report	V
6	Copy of Consent to Establish	VI
7	Copy of Environment Clearance	VII

Annexure I

Salient Features of the Project

Project site	“Park Land” By M/s. Yash Vastu Developers S. No – 70, Sopanbaugh, Ghorpadi, Pune.
Construction & Development	The Project is proposing development as below: Residential- Building A = G+S+S+15 Building B = G+S+S+15 Building C = G+S+S+15 Building D = G+S+S+15 Building E = G+10 Building F To Handover To PMC = G+4
Total Plot Area	25442.89 sq.m.
Total Built Up Area	60510.87 sq.m.
Water required	170.00 M³/day
Estimated Project Cost	87.56 Crores
Nearest railway stations	The nearest railway station – Shivajinagar 5.00 KM
Nearest Airport	Pune Airport is about 11.00 KM from the site & It is connected by direct flights to Mumbai, Delhi, Bangalore, etc.

Annexure II

ENVIRONMENTAL MANAGEMENT PLAN

Construction Phase

AIR ENVIRONMENT

- During Construction ready mix concrete in enclosed container shall be used.
- Dust Control : Water Sprinkling on road.
- Barricades will be provided along with the periphery of the site.
- Dust covers shall be provided on trucks that would be used for transportation
- DG as per CPCB norms.
- Ambient air quality monitoring for the parameters SO_2 , NO_x , PM_{10} , $PM_{2.5}$.
- PUC certified vehicles would be allowed in the campus.

WATER ENVIRONMENT

- Provision of Temporary toilets. 5 Nos. toilets for 50 Workers
- Disposal through packed STP & treated water will be used for construction phase.
- Water analysis for the parameters of IS:10500.

LAND ENVIRONMENT

- Separate storage of Construction material.

Continue...

Construction Phase

NOISE ENVIRONMENT

- Ear plugs for Labors
- High noise generating construction activities would be carried out only during day time.
- Preventive maintenance of machineries.
- Acoustic enclosures for DG sets.
- Noise monitoring.

BIOLOGICAL ENVIRONMENT

- Plantation of 245 trees will start in mid of construction phase.

SOCIO - ECONOMIC ENVIRONMENT

- Adequate Drinking water, Toilet and bathing facilities 5 nos. of toilets for 50 workers.
- Proposed project will require manpower during construction phase thereby creating job opportunities.
- Personal protective and safety equipments will be provided.
- First aid facility (First aid box).

Continue...

Operational Phase

AIR ENVIRONMENT

- Providing Green Belt around the site.(No of trees 245 area planted)
- Acoustical Enclosures for DG set
- Smooth traffic flow inside the campus.
- Ambient air quality monitoring for the parameters SO_2 , NO_x , PM_{10} , $\text{PM}_{2.5}$,
- Insist for PUC certified vehicles for flat owners.

WATER ENVIRONMENT

- The sewage will be treated in full fledged sewage treatment plant 220 m^3/day & 40 m^3/day and sewage shall be reused for flushing and landscaping (130 m^3/day).
- The storm water management
- Rain water Harvesting will be implemented (12 nos. of recharge pits.)

LAND ENVIRONMENT

- Segregation at source for all solid waste streams
- Proper disposal of waste through well managed Solid waster Management team.
- 330 kg/day Dry waste will be given to Authorized Vendor
- 540 kg/day Wet garbage will be composted and will be used as manure.

Continue...

Operational Phase

NOISE ENVIRONMENT

- Compound wall and rows of trees act as noise buffer.
- DG Sets with sound proof enclosures.
- Noise monitoring.

BIOLOGICAL ENVIRONMENT

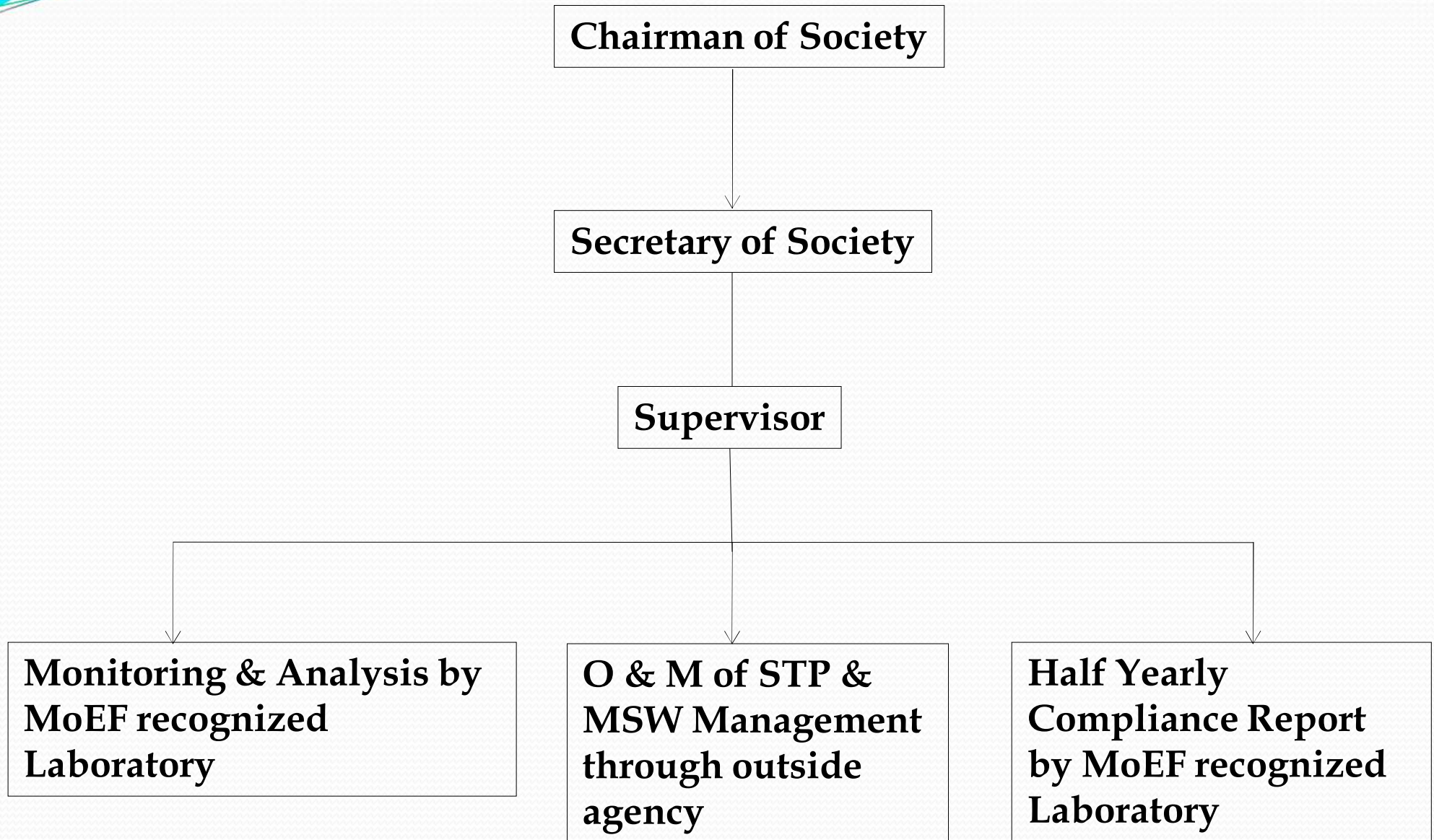
- Landscaping.
- Plant species selected based on adaptability to geographic conditions and keeping in view the local species and their benefits to site

SOCIO - ECONOMIC ENVIRONMENT

- Improvement in transport, communication facilities, lifestyle and social status etc. due to ancillary development.
- Local skilled and laborers will have opportunities for employment directly and indirectly.

EMP will be implemented by Environment Management Cell with the support of MoEF recognized Laboratory

ENVIRONMENT MANAGEMENT CELL



Annexure III

COST OF ENVIRONMENTAL MANAGEMENT PLAN

Sr. No.	Particular	Capital Cost (INR)	O & M Cost (INR/annum)
1	Sewage Treatment Plant	72,00,000/-	4,00,000/-
2	Rain Water Harvesting	35,00,000/-	3,00,000/-
3	Storm Water Network	15,00,000/-	2,00,000/-
4	Solid Waste Management	32,00,000/-	5,00,000/-
5	Green Belt Development	50,00,000/-	5,00,000/-
6	Swimming Pool	16,00,000/-	1,50,000/-
7	Solar Water Heater	45,00,000/-	2,00,000/-
8	Solar PV Cells	30,00,000/-	1,50,000/-
9	Environmental Monitoring	--	1,60,000/-
10	Safety Training & Awareness	10,00,000/-	--
11	Water Tanker Supply	--	1,00,000/-
Total.		3,05,00,000/-	26,60,000/-

Annexure IV

Annexure IV

General Conditions for Pre-construction phase:-		
Sr.No.	Particular	Status
I	This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.	Noted, we will strictly follow the Rules & Regulations.
II	E-waste shall be disposed through Authorised vendor as per E-waste (Management and Handling) Rules, 2011.	If E waste generates, we will dispose the same to authorised E waste Reprocessor.
III	The Occupancy certificate shall be issued to the project by local planning authority only after ensuring availability of drinking water, connectivity of the sewer line to the project site.	Part Occupancy certificate was issued by local body PMC after ensuring availability of drinking water & Connectivity of the sewer line to the project site.
IV	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separated on merit.	NA
V	PP has to abide by the conditions stipulated by SEAC & SEIAA.	We will obey all the conditions stipulated by SEAC & SEIAA.

VI	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	we will carry out construction as per approval plan of local body.
VII	"Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.	We have obtained consent to establishment (C to E) from MPCB. Copy of C to E is attached.
VIII	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	We have maintained sanitary and hygienic condition throughout the construction phase.

General Conditions for Construction Phase-

Sr.No.	Particular	Status
I	Provision shall be made for the housing of construction labour within the site all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.	We have provided and maintain the same.
II	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	We have provided and maintain the same.
III	The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	we have properly collect all generated solid waste & disposed as per Rules & Regulations.
IV	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	we will take proper care of this.

V	Arrangement shall be made that waste water and storm water do not get mixed.	We have provided separate Storm water and Waste Water lines
VI	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	All topsoil will be used for landscaping only
VII	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	we will do the same.
VIII	Green Belt Development shall be carried out considering CPCB guidelines including selection of -plant species and in consultation with the local DFO/Agriculture Dept.	Green belt is provided as per CPCB norms.
IX	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Soil analysis reports is attached. Ground water will not be used for the project.
X	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.	we will take proper care of this.
XI	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	Hazardous waste will be disposed as per MPCB norms.
XII	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.	We have provided DG set as per the norms.
XIII	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	Diesel required is purchased as and when required from nearby sources.
XIV	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	Vehicle hired will be in good conditions and as per norms.

XV	Ambient noise levels should conform to residential standards both during day and night. incremental pollution loads on the ambient air, and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.	Air & Noise Monitoring is carried out. Analysis Reports are attached.
XVI	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).	Fly ash is used in construction in concrete as per the Fly Ash Notification. Also we will use fly ash brick for construction.
XVII	Ready mixed concrete must be used in building construction.	We will use only Ready mixed concrete.
XVIII	The approval of competent authority shall be obtained for structural safety of the building due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measure from lighting.	We have obtained the same.
XIX	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Proper storm water control system is provided
XX	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	we will do the same.
XXI	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	We are not using ground water.
XXII	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.	STP is Installed. Analysis of STP Treated Water report is attached.
XXIII	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to Construction/operation of the project.	NA, As we are not using any ground water for construction activity.

XXIV	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	We have do the same.
XXV	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	We have do the same.
XXVI	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	we have do the same.
XXVII	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	we will do the same.
XXVII	Energy conservation measures like installation of CFLs 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.	we will do the same.
XXIX	Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	DG set is provided with acoustic enclosure and standard stack height as per MPCB norms.
XXX	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Noise Monitoring report is attached.

XXXI	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	we will maintain the same.
XXXII	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	we will maintain the same.
XXXIII	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation	We have maintained adequate distance between two building to allow movement of fresh air and passage of natural light, air and ventilation.
XXXIV	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	We will do the same throughout the constriction phase.
XXXV	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	We have obtain Environment Clearance and then started Construction activity.
XXXVI	Six monthly monitoring reports should be submitted to the department and MPCB.	We have regularly submit the Post Environment clearance report to MoEF, Nagpur & MPCB Offices.

General Conditions for Post-construction/operation phase-

Sr.No.	Particular	Status
I	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.	We have ensure the same.

II	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this	OWC will be provide.
III	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Noted.
IV	A complete set of all the documents submitted to Department should be forwarded to the MPCB.	We will submit the same.
V	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	NA
VI	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Provided.
VII	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	Provided.
VIII	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in .	Advertisement was given in local news paper.
IX	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.	We have regurlary submitted the six monthly compliance report to MPCB & MoEF & CC, Nagpur.
X	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	We have send the same to local body and uploaded on web site.

XI	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	We will provide and maintain the same.
XII	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	We have regularly submitted the six monthly compliance report to MPCB & MoEF & CC, Nagpur.
XIII	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	NA

Annexure V

ANALYSIS REPORT

Client's Name & Address	Report No.	JV/22-23/06/35
To, M/s Yash Vastu Developers "Park Land", S. No-70, Sopanbaugh, Ghorpadi, Pune.	Report Date	15/06/2022
	Type of Monitoring	Ambient Air
	Test Location	Near Main Gate
	Lab Reference No.	JV/YV/22-23/06/35
	Date of Sampling	07/06/2022
	Date of Analysis	08/06/2022 To 14/06/2022

OBSERVATION

Ambient Temp. °C	Dry Bulb Temp. °C	Wet Bulb Temp. °C	Relative Humidity % RH	Time of Sampling	Sampling Duration in Min
36	36	29	58	10:30	1440

RESULTS

Sr. No.	Description	Results	NAAQ Standards	Unit	Standard Method
1	Sulphur Dioxide (SO ₂)	20.61	≤ 80	µg/m ³	IS 5182(Part2):2001
2	Oxides of Nitrogen (NO _x)	28.82	≤ 80	µg/m ³	IS 5182(Part6):2006
3	Particulate Matter PM ₁₀	51.37	≤ 100	µg/m ³	IS 5182(Part23):2006
4	Particulate Matter PM _{2.5}	17.95	≤ 60	µg/m ³	WI/Lab/Ambient/04
5	*Carbon Monoxide (CO)	0.33	≤ 4.0	mg/m ³	IS 5182(Part10):1999
6	*Ozone	19.58	≤ 180	µg/m ³	IS5182 (Part9):1974
7	Lead (Pb)	BDL	≤ 1.0	µg/m ³	IS 5182(Part22):2004
8	Ammonia (NH ₃)	BDL	≤ 400	µg/m ³	WI/Lab/Ambient/06
9	Benzene (C ₆ H ₆)	BDL	≤ 5.0	µg/m ³	IS 5182(Part11):2006
10	Benzo(a) Pyrene (BaP)	BDL	≤ 1.0	ng/m ³	IS 5182(Part12):2004
11	Arsenic (As)	BDL	≤ 6.0	ng/m ³	IS 11124: 1984
12	Nickel (Ni)	BDL	≤ 20	ng/m ³	IS12122: 1987

REMARKS/OBSERVATIONS:

- All above results are within National Ambient Air Quality Standard.
- BDL-Below Detection Limit.
- *1-hour sampling duration.

For JV Analytical Services



Authorized Signatory

1. Results relate only to the sample tested.
2. Tested sample(s) drawn by the Laboratory.
3. Test report shall not be reproduced except in full, without written approval of the laboratory
4. This report, in full or in part, shall not be used for advertising or legal action.

---End of the Report---



JV Analytical Services

Accredited by: NABL (As Per Std ISO/IEC 17025:2005) & NABET (Certificate No.NABET/EIA/1720/IA0022)

Recognized by: MOEF & CC,Govt.Of India (Notification No:S.O.1953(E)) , Certified by: ISO 9001:2008 & OHSAS 18001:2007

Address: 2nd & 3rd Floor, Samay Apartment, Bhau Patil Road,Bopodi ,Pune-411020

Tel:7350658988 Email: jvlabpune@gmail.com , sales@jvanalyticalservices.com Web:www.jvanalyticalservices.com

ANALYSIS REPORT

Client's Name & Address	Report No.	JV/22-23/06/36
To, M/s Yash Vastu Developers "Park Land", S. No-70, Sopanbaugh, Ghorpadi, Pune.	Issue Date	15/06/2022
	Type of Monitoring	Ambient Air
	Test Location	Near Building "B"
	Lab Reference No.	JV/YV/22-23/06/36
	Date of Sampling	07/06/2022
	Date of Analysis	08/06/2022 To 14/06/2022

OBSERVATION

Ambient Temp. °C	Dry Bulb Temp. °C	Wet Bulb Temp. °C	Relative Humidity % RH	Time of Sampling	Sampling Duration in Min
36	36	29	58	10:40	1440

RESULTS

Sr. No.	Description	Results	NAAQ Standards	Unit	Standard Method
1	Sulphur Dioxide (SO ₂)	20.41	≤ 80	µg/m ³	IS 5182(Part2):2001
2	Oxides of Nitrogen (NO _x)	28.73	≤ 80	µg/m ³	IS 5182(Part6):2006
3	Particulate Matter PM ₁₀	48.69	≤ 100	µg/m ³	IS 5182(Part23):2006
4	Particulate Matter PM _{2.5}	17.20	≤ 60	µg/m ³	WI/Lab/Ambient/04
5	*Carbon Monoxide (CO)	0.35	≤ 4.0	mg/m ³	IS 5182(Part10):1999
6	*Ozone	19.64	≤ 180	µg/m ³	IS5182 (Part9):1974
7	Lead (Pb)	BDL	≤ 1.0	µg/m ³	IS 5182(Part22):2004
8	Ammonia (NH ₃)	BDL	≤ 400	µg/m ³	WI/Lab/Ambient/06
9	Benzene (C ₆ H ₆)	BDL	≤ 5.0	µg/m ³	IS 5182(Part11):2006
10	Benzo(a) Pyrene (BaP)	BDL	≤ 1.0	µg/m ³	IS 5182(Part12):2004
11	Arsenic (As)	BDL	≤ 6.0	ng/m ³	IS 11124: 1984
12	Nickel (Ni)	BDL	≤ 20	ng/m ³	IS12122: 1987

REMARKS/OBSERVATIONS:

- All above results are within National Ambient Air Quality Standard.
- BDL-Below Detection Limit.
- *1-hour sampling duration.

For JV Analytical Services



Authorized Signatory

- 1 Results relate only to the sample tested.
- 2 Tested sample(s) drawn by the Laboratory.
- 3 Test report shall not be reproduced except in full, without written approval of the laboratory
- 4 This report, in full or in part, shall not be used for advertising or legal action.

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Address: 2nd & 3rd Floor, Samay Apartment, Bhau Patil Road, Bopodi, Pune-411020

Tel:7350658988 Email: jvlabpune@gmail.com , sales@jvanalyticalservices.com Web:www.jvanalyticalservices.com

ANALYSIS REPORT

Client's Name & Address	Report No.	JV/22-23/06/37
To, M/s Yash Vastu Developers "Park Land", S. No-70, Sopanbaugh, Ghorpadi, Pune.	Dated	15/06/2022
	Type of Monitoring	Source Emission Stack Monitoring
	Test Location	D. G. Set - 200 KVA
	Lab Reference No.	JV/YV/22-23/06/37
	Date of Sampling	07/06/2022
	Date of Analysis	08/06/2022 To 14/06/2022

STACK DETAILS

Sr. No.	Description	Result	Unit
1	Material of Stack	MS	--
2	Time of Sampling	10:50	Hrs
3	Stack height from GL	4.0	Mtr
4	Type of Stack	Round	--
5	Fuel Gas Temperature	357	°k
6	Differential Pressure	4.4	mmWG
7	Velocity	7.52	m/s
8	Dimensions of Stack	0.15	Meter
9	Stack Area	0.0176	M ²
10	Gas Volume	397.72	NM ³ /Hr

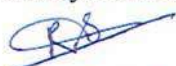
RESULTS

Sr. No.	Description	Result	Unit	Limits as per MPCB	Standard Method
1	Particulate Matter	63.57	mg/Nm ³	≤150	IS 11255 (Part 1):1985
2	Sulphur Dioxide (SO ₂)	48.91	mg/Nm ³	N.S.	IS 11255 (Part 2):1985
3	Sulphur Dioxide (SO ₂)	0.47	kg/day	N.S.	IS 11255 (Part 2):1985

REMARKS/OBSERVATIONS:

- All above results are within limits as per MPCB
- N.S.: Not Specified

For JV Analytical Services



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ANALYSIS REPORT

Client's Name & Address	Report No.	JV/22-23/06/38
To, M/s Yash Vastu Developers "Park Land", S. No-70, Sopanbaugh, Ghorpadi, Pune.	Issue Date	15/06/2022
	Type of Monitoring	Ambient Noise
	Lab Reference No.	JV/YV/22-23/06/38
	Date of Sampling	07/06/2022

Results

Sr. No.	Test Location	Unit	Readings	
			Day Time	Night Time
01	Near Main Gate	dB(A)	53.5	41.1
02	Near Building A	dB(A)	50.1	42.9
03	Near Building B	dB(A)	48.2	41.5
04	Near Building C	dB(A)	49.8	40.4

REMARKS/OBSERVATIONS:

- Day time means 6:00am to 10:00pm and night time means 10:00pm to 6:00am.
- As per prescribed standards the limit of Ambient Noise is 55 dB (A) in day time and 45 dB (A) in night time for Residential zone/area.

For JV Analytical Services



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ANALYSIS REPORT

Client's Name & Address	Report No.	JV/22-23/06/39
To, M/s Yash Vastu Developers "Park Land", S. No-70, Sopanbaugh, Ghorpadi, Pune.	Issue Date.	15/06/2022
	Date of Collection	07/06/2022
	Lab Reference No.	JV/YV/22-23/06/39
	Date of Analysis.	08/06/2022 To 14/06/2022

Nature of Sample	Sample Name	Sample Collected By
Drinking Water	Drinking Water	JV Analytical Services

Results

Sr. No.	Parameter	Results	Units	IS:10500 : 2012 Acceptable Limits	Standard Method
1	Colour	1	Hazen	≤5	APHA 23 rd Edition, 2120 B
2	Odour	Agreeable	-	Agreeable	APHA 23 rd Edition, 2150 B
3	Turbidity	Nil	NTU.	≤1.0	APHA 23 rd Edition, 2130 B
4	pH	7.34	-	6.5-8.5	APHA 23 rd Edition, 4500-H+B
5	Total Alkalinity	36.1	Mg/lit	≤200	APHA 23 rd Edition, 2320 B
6	Electrical Conductivity	110	μs/cm @25°C	NS	APHA 23 rd Edition, 2510 B
7	Total Hardness	66.4	Mg/lit.	≤200	APHA 23 rd Edition, 2340 C
8	Calcium	22.7	Mg/lit.	≤75	APHA 23 rd Edition, 3500-Ca B
9	Magnesium	7.58	Mg/lit.	≤30	APHA 23 rd Edition, 3500-Mg B
10	Total Dissolved Solid	66	Mg/lit.	≤500	APHA 23 rd Edition, 2540 C
11	Chloride	16.2	Mg/lit.	≤250	APHA 23 rd Edition, 4500 B
12	Sulphate	4.8	Mg/lit.	≤200	APHA 23 rd Edition, 4500 SO ₄ ²⁻ -E
13	Iron	BDL	Mg/lit.	≤0.3	APHA 23 rd Edition 3111 B
14	MPN	Absent	MPN/100ml	Shall not be detectable in 100 ml sample	APHA 23 rd Ed.9222 H
15	E-Coli	Absent	MPN/100ml	Shall not be detectable in 100 ml sample	APHA 23 rd Ed.9222 H

REMARKS/OBSERVATIONS:

- All the above parameters are within IS 10500: 2012 Std Limits.
- **BDL:** Below detection limit for Iron is <0.01 mg/lit
- **NS:** Not Specified

For JV Analytical Services

Authorized Signatory

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Tel:7350658988 Email: jvlabbpune@gmail.com , sales@jvanalyticalservices.com Web:www.jvanalyticalservices.com

ANALYSIS REPORT

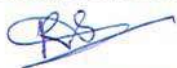
Client's Name & Address	Report No.	JV/22-23/06/40
To, M/s Yash Vastu Developers "Park Land", S. No-70, Sopanbaugh, Ghorpadi, Pune.	Issue Date.	15/06/2022
	Date of Collection	07/06/2022
	Lab Reference No.	JV/YV/22-23/06/40
	Date of Analysis.	08/06/2022 To 14/06/2022

Nature of Sample	Sample Name	Sample Collected By
Soil	Soil Sample	JV Analytical Services

Results

Sr. No.	Parameter	Results	Units	Standard Methods
1.	pH	7.42	-	Indian Soil Testing Manual January 2011
2.	Conductivity	3.51	dS/m	
3.	Bulk Density	2.97	gm/cm ³	
4.	Partical Density	4.74	gm/cm ³	
5.	Sodium Adsorption Ratio	7.06	--	
6.	Organic Matter	2.23	%	
7.	Potassium (as K)	275	Kg/ha	
8.	Phosphorous (as P)	18.49	Kg/ha	
9.	Texture	Loam	---	
10.	Percentage Of Different Components			
	1. Sand	33	%	
	2. Silt	35	%	
	3. Clay	32	%	

For JV Analytical Services



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Tel:7350658988 **Email:** jvlabpune@gmail.com , sales@jvanalyticalservices.com **Web:**www.jvanalyticalservices.com

ANALYSIS REPORT

Client's Name & Address	Report No.	JV/22-23/06/41
To, M/s Yash Vastu Developers "Park Land", S. No-70, Sopanbaugh, Ghorpadi, Pune.	Issue Date.	15/06/2022
	Date of Collection	07/06/2022
	Lab Reference No.	JV/YV/22-23/06/41
	Date of Analysis.	08/06/2022 To 14/06/2022

Nature of Sample	Sample Name	Sample Collected By
Sewage Water	STP Outlet	JV Analytical Services

Results

Sr. No.	Parameter	Results	Units	MPCB Standard	Standard Method
1	pH	7.35	--	6.5-9.0	APHA 23rd Ed.,4500-H+B
2	Chemical Oxygen Demand	20.1	mg/lit.	≤100	APHA 23rd Ed.,5220-B
3	Biological Oxygen Demand @ 27°C for 3 days	7.2	mg/lit.	≤30	APHA 23rd Ed.,5210 B
4	Total Suspended Solids	15	mg/lit.	≤50	APHA 23rd Ed.,2540 D
5	Oil & Grease	0.3	mg/lit.	≤10	APHA 23rd Ed.,5520 B

REMARKS/OBSERVATIONS:

- All the above parameters are within MPCB Standard.

For JV Analytical Services



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Tel:7350658988 **Email:** jvlabpune@gmail.com , sales@jvanalyticalservices.com **Web:**www.jvanalyticalservices.com

Annexure VI

MAHARASHTRA POLLUTION CONTROL BOARD

Phone :- 24010437 24020781/24014701

Fax :- 24044532 24023516

Email :- enquiry@mpcb.gov.in

Visit At:- <http://mpcb.gov.in>



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

Infrastructure/Orange/L.S.I

Consent order No: Format 1.0/BO/ROHQ/PN-22176-14/CE/CC-9189

Date: 30/09/2014

To,

M/s Yash Vastu Developers, "Park Land"

S. No. 70A/1A, 70A/1B, 70A/1C, 70A/2, 70A/3,

Sopanbaugh, Ghorpadi, Pune

Sub : Consent to Establish in Orange category for Building / construction project.

Ref : Minutes of Consent Committee meeting held on 24/09/2014

Your application:- CE140600051, Date 27/06/2014

For: Consent to Establish for Construction of 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 Municipal Solid Waste (Management & Handling) Rule 2000 and E-Waste (Management & Handling) Rule 2011 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent to Establish is granted for a period upto:- Commissioning of the unit or five years, whichever is earlier.
2. The Proposed Capital investment of the Project is Rs 87.56 Crs. (As per CA certificate).
3. The Consent to Establish is valid for development of new Residential project by M/s. Yash Vastu Developers, named as "Park Land" at S. No. 70A/1A, 70A/1B, 70A/1C, 70A/2, 70A/3, Sopanbaugh, Ghorpadi, Pune on total plot area of 25,442.89 Sq. mtrs and total construction built up area of 61,335.07 Sq. mtrs. As per construction commencement certificate issued by local body.
4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge	Standards to be achieved	Disposal
1.	Trade effluent	Nil	NA	NA
2.	Domestic effluent	238.0 CMD	As per Schedule -I	60% shall be reused & recycled and remaining shall be discharged in municipal sewer.

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

Sr. No.	Description of stack / source	Number of Stack	Standards to be achieved
1.	DG sets (62.5 x2 KVA)	2	As per Schedule -II

M/s Yash Vastu Developers, "Park Land", SRO Pune 110 L 04937000

Page 1 of 6

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

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1.	Biodegradable Waste	540.0	Kg/Day	OWC	Used as manure
2.	Non Biodegradable Waste	330.0	Kg/Day	Segregation	By sale
3.	STP Sludge	25.0	Kg/D	---	Used as manure

7. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
8. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
9. The applicant shall submit an affidavit within 15 days in the prescribed format towards not taking further effective steps prior to obtaining the Environment Clearance.
10. The applicant shall not take any effective step prior Environment clearance. As per Para 2 of EIA notification dated-14/09/2006, the effective steps include starting of any construction work or preparation of land by the project management. However as clarified by the MoEF vide office memorandum no. J-1103/41/2006-IA.II(I); Dated-19/8/2010, fencing of the site to protect it from getting encroached & construction of temporary shed(s) for the guard(s) & acquisition of land shall not be treated as an effective steps.
11. The applicant shall submit an affidavit in Board's prescribed format within 15days regarding the compliance of conditions of Environment Clearance and Consent to Establish.

This is issued as per office note approved by the Member Secretary of the Board dated 24/09/2014.

For and on behalf of the
Maharashtra Pollution Control Board

P. K. Mirashe
30/9/14

(P. K. Mirashe)
Assistant Secretary (Technical),

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	1,25,000.0	064157	14/06/2014	Punjab National Bank
2	100.0	170193	27/06/2014	Punjab National Bank

Copy to:

1. Regional Officer, MPCB, Pune. And Sub-Regional Officer, 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 consent application, you have proposed to provide the sewage treatment system with the design capacity of 280.0 CMD

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

1	Suspended Solids	Not to exceed	50.0 mg/l.
2	BOD 3 Days 27 degree C	Not to exceed	30.0 mg/l.
3	COD	Not to exceed	100.0 mg/l.

C] The treated domestic effluent shall be 60% recycled and reused for flushing, fire fighting and cooling of Air conditioners etc. The remaining shall be discharged into Municipal sewer/ utilized on land for gardening after conforming to above standards. The firm shall affix the separate meter for ensurance of 60% recycling of treated sewage and keep the records of the same. In no case effluent shall find its way to any water body directly /indirectly at any time.

- 2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of water, works for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
- 3) The firm shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 4) In case, the water consumption of the project is not covered under the water consumption of local body, in that situation, the project proponent shall submit the CESS Returns in the prescribed format given under the provision of Water (Prevention & Control of Pollution) Cess Act, 1977 and Rules made thereunder for various category of water consumption.

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

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Domestic purpose	275.0

[Handwritten signature]

Schedule-II

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

1. As per your application, you have proposed to erect following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	Height in Mtrs. (Above rooftop)	Type Fuel	Quantity
1.	DG sets (62.5 x 2 KVA)	4	HSD	36.9 Lit/Hr

* D.G. Set shall be operate only in case of power failure.

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

Particulate matter	Not to exceed	150.00 mg/Nm ³ .
--------------------	---------------	-----------------------------

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

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

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	Establish	Rs. 5.0 lakh	15 days at Regional office Pune	Rs. 5.0 lakh for ensuring the compliance of consent conditions.	Upto Commissioning of the unit	Five years

(Signature)

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 Municipal Solid Waste (Management & Handling) Rule 2000 and E-Waste (Management & Handling) Rule 2011.
- 3) Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 4) Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 5) Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) 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 siting 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 Municipal Solid Waste (Management & Handling) Rule 2000 & E-Waste (M & H) Rule 2011.
- 7) Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 8) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 9) The treated sewage shall be disinfected using suitable disinfection method.
- 10) The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 11) The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.

Annexure VII

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEAC-III-2014/CR-148/TC-3

Environment department

Room No. 217, 2nd floor,

Mantralaya Annexe,

Mumbai- 400 032.

Dated: 28 January, 2016.

To,

M/s. Yash Vastu Developers,
Ahinsa Apartment, 2nd Floor, Prabhat Road,
Lane No. 4, 768/18, Deccan Gymkhana,
Pune

**Subject Environment clearance for residential Construction Project at S. No.70
Sopanbaugh, Ghorpadi, Pune by M/s. Yash Vastu Developers.**

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 32nd 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 90th meeting.

2. It is noted that the proposal is considered by SEAC-III under screening category 8(a) B2 as per EIA Notification 2006.

Brief Information of the project submitted by you is as-

1.	Name of Project	Park Land
2.	Project Proponent	Yash Vastu Developers
3.	Consultant	Oasis Environmental Foundation
5.	Type of project: Housing project / Industrial Estate / SRA scheme / MHADA / Township or others	Housing Project
6.	Location of the Project	S. No. 70, Sopanbaugh, Ghorpadi, Pune
7.	Whether in Corporation / Municipal/ other area	Within Pune Municipal Corporation
8.	Applicability of the DCR	Yes
9.	IOD/IOA/Concession	IOA obtained

	document or any other form of document as applicable(Clarifying its conformity with local planning rules & provision)																																	
10.	Note on the initiated work (If applicable)	NA																																
11.	LOI / NOC from MHADA / Other approvals (If applicable)	NA																																
12.	Total Plot Area (sq. m.) Deductions Net Plot area	25,442.89 sq. m 9,057.18 sq. m 16,385.71 sq. m																																
13.	Permissible FSI AREA (including TDR etc.)	1.6																																
14.	Proposed Built-up Area (FSI & Non-FSI)	FSI Area (sq. m.) : 29,763.86 Non FSI Area (sq. m.) : 30,747.01 Total BUA area (Sq. m.) : 60,510.87																																
15.	Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	3512.93 Sq. m (23 %)																																
16.	Estimated Cost of the Project	87.56 Cr																																
17.	No. of building & its configuration(s)	<table><tr><th>Sr. No</th><th>Type of Building</th><th>No of Floors</th><th>No. of Flats</th></tr><tr><td>1</td><td>BLDG. A</td><td>G+S+S+15</td><td>88</td></tr><tr><td>2</td><td>BLDG. B</td><td>G+S+S+15</td><td>86</td></tr><tr><td>3</td><td>BLDG. C</td><td>G+S+S+15</td><td>88</td></tr><tr><td>4</td><td>BLDG. D</td><td>G+S+S+15</td><td>60</td></tr><tr><td>5</td><td>BLDG. E</td><td>G + 10</td><td>40</td></tr><tr><td>6</td><td>Wing F To Handover To PMC</td><td>G + 4</td><td>16</td></tr><tr><td colspan="3">Total</td><td>378</td></tr></table>	Sr. No	Type of Building	No of Floors	No. of Flats	1	BLDG. A	G+S+S+15	88	2	BLDG. B	G+S+S+15	86	3	BLDG. C	G+S+S+15	88	4	BLDG. D	G+S+S+15	60	5	BLDG. E	G + 10	40	6	Wing F To Handover To PMC	G + 4	16	Total			378
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1	BLDG. A	G+S+S+15	88																															
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5	BLDG. E	G + 10	40																															
6	Wing F To Handover To PMC	G + 4	16																															
Total			378																															
18.	Number of tenants and shops	Residential: 378 Tenements																																
19.	Number of expected residents / users	Residential: 1890																																
20.	Tenant density per hector	250/ha as per DCR																																
21.	Height of the building(s)	Bldg. A-D: 54.15m Bldg. E: 33.15 m Bldg. F: 15 m																																
22.	Right of way (Width of the road from the nearest fire station to the proposed building(s))	9 m & 15 m																																

23.	Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m									
24	Existing structure(s)	NA									
25	Details of the demolition with disposal (If applicable)	NA									
26	Total Water Requirement	<p>Residential & Commercial</p> <p>Dry season :</p> <p>Source: Pune Municipal Corporation</p> <ul style="list-style-type: none"> • Fresh water: 170 KL • Recycled water (Flushing): 85 KL • Recycled water (Gardening): 45 KL • HVAC Makeup: NA • Total Water Requirement: 300 KL • Excess treated water: 77 KL • Swimming Pool: 8 KL • Fire fighting (Cum): 300 KL. <p>Wet Season:</p> <ol style="list-style-type: none"> 1. Fresh water: 170 KL. 2. Recycled water (Flushing): 85 KL. 3. Recycled water (Gardening): NA 4. HVAC Makeup: NA 5. Total Water Requirement: 255 KL. 6. Excess treated water: 121 KL. • Swimming Pool: 8 KL • Fire fighting (Cum): 300 KL. 									
27.	Details about Swimming Pool:	<p>Dimension of Swimming Pool:</p> <p>Main Pool Size : 12m X 6m</p> <p>Total water Requirement in KL: 94 KL</p> <p>Water requirement for make up in KLD:8</p> <p>Details of Plant & Machinery used for treatment of Swimming pool water: Filter, Self Priming pump, Control panel for pump, Hair and lint strainer, vacuum point, overflow grating. Ladders, under water illumination, control & regulation equipment</p> <p>Disinfection: Chlorination</p> <p>Details of quality to be achieved for swimming pool water and parameters to be monitored:</p> <table border="1"> <thead> <tr> <th>Sr. No.</th><th>Parameters</th><th>Standard</th></tr> </thead> <tbody> <tr> <td>1.</td><td>pH</td><td>7.2</td></tr> <tr> <td>2.</td><td>Chlorine level</td><td>1.5 to 2.2 mg/l</td></tr> </tbody> </table>	Sr. No.	Parameters	Standard	1.	pH	7.2	2.	Chlorine level	1.5 to 2.2 mg/l
Sr. No.	Parameters	Standard									
1.	pH	7.2									
2.	Chlorine level	1.5 to 2.2 mg/l									
28.	Rain Water Harvesting (RWH)	<p>Ground Water Table:</p> <p>Summer Season – 15.00 m. to 18.00 m. BGL.</p> <p>Rainy Season – 5.00 m. to 7.50 BGL.</p> <p>Winter Season – 10.00 m. to 12.00 m. BGL.</p>									

		Residential: Size and no of RWH tank(s) and Quantity: NA Capacity of RWH tanks: NA Location of the RWH tank (s): NA □Size and No of recharge pits: 1.8m X 1.8m X 2.4m Recharge Pit with Bore Well - 12 No. Commercial: No. of RWH Tanks: NA Capacity of RWH tanks: NA Location of the RWH tank (s): NA No of recharge pits: NA Budgetary allocation (Capital cost and O & M cost): Capital cost: 35,00,000/- O & M cost: 3,00,000/-
29.	UGT tanks	Residential: Domestic water storage tank: 180 KL Drinking water storage tank: 100 KL Fire storage tank capacity: 250 KL. TOTAL UG tank Capacity: 530 KL Commercial: Domestic UG tank Capacity: NA Flushing UG tank Capacity: NA Total Capacity: NA
30.	Storm water drainage	<ul style="list-style-type: none"> • Natural water drainage pattern: As per contour • quantity of storm water : 3339.00 KL/year • Size of SWD: 300 to 750 mm
31.	Sewage and Waste water	<ul style="list-style-type: none"> • Residential: • Sewage generation (CMD): 218 • Capacity of STP (CMD): STP 1: 220 KL & STP 2: 40 KL, Total: 260 KL • STP technology: Phytorid • Commercial: • Sewage generation (CMD): NA • Capacity of STP (CMD): NA • STP technology: NA • Location of STP: Enclosure I • DG sets (during emergency) Residential, Commercial & Club House and all pollution control devices: 250 KVA X 1No. • Budgetary allocation (Capital cost and O & M cost): STP of 220 KLD: Capital Cost: 60,00,000 /- O & M Cost: 3,00,000 /- p.a. STP of 40 KLD: Capital Cost: 12,00,000 /- O & M Cost: 1,00,000 /- p.a.
32.	Solid waste Management	Waste generation in the pre Construction and Construction phase:

		<ul style="list-style-type: none">Waste generation:Quantity of the top soil to be preserved: 18000 CUMDisposal of the construction way debris: Land filling on the same site Waste generation in the operation phase Residential & commercial: <ul style="list-style-type: none">Biodegradable waste: 540Non-Biodegradable waste: 330E-waste: NAHazardous waste: NABiomedical waste(Kg/month)(If applicable): NASTP sludge: 8.5 Mode of Disposal of waste: <ul style="list-style-type: none">Dry waste: Through Authorized vendorsWet waste: Mechanized CompostingE-waste: NAHazardous waste: NABiomedical waste(Kg/month)(If applicable): NASTP sludge: Manure Area requirement: 1. Location(s): Plan Enclosed. 2. Total area provided for the storage & Treatment of the solid waste: 70 Sq. mt. 3. Budgetary allocation (capital Cost & O&M cost): Capital Cost: 32,00,000/- O&M cost : 5,00,000/-p. a																														
33.	<p>Green Belt Development Total RG area: 2153.61 Sqm RG area other than green belt (Please specify for play ground,etc.): 157.18 sq.m. RG area under green belt 1.RG area on the ground (sq.m.):1996.43 sq.m. 2.RG area on the podium (sq.m.):.NA</p> <p><input type="checkbox"/> Number & list of trees species to be planted in the ground RG: 245 trees List of Proposed Plantation for the scheme:</p> <table><tr><th>Sr. No.</th><th>Botanical Name</th><th>Common Name</th><th>Qty</th><th>Characteristics & Ecological Importance</th></tr><tr><td>1</td><td><i>Albizia lebek</i></td><td>Shirish</td><td>8</td><td>Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).</td></tr><tr><td>2</td><td><i>Anthocephalus kadamba</i></td><td>Kadamb</td><td>8</td><td>Medicinal value. To control soil erosion, Birds, squirrels, monkey eat fruits.</td></tr><tr><td>3</td><td><i>Azardirachta indica</i></td><td>Neem</td><td>12</td><td>Medicinal value, To control soil erosion. To improve soil erosion</td></tr><tr><td>4</td><td><i>Barringtonia acutangula</i></td><td>Newar</td><td>8</td><td>Medicinal value, evergreen tree</td></tr><tr><td>5</td><td><i>Bauhinia blackania</i></td><td>Bahunia</td><td>9</td><td>Drought tolerant, Medicinal</td></tr></table>	Sr. No.	Botanical Name	Common Name	Qty	Characteristics & Ecological Importance	1	<i>Albizia lebek</i>	Shirish	8	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).	2	<i>Anthocephalus kadamba</i>	Kadamb	8	Medicinal value. To control soil erosion, Birds, squirrels, monkey eat fruits.	3	<i>Azardirachta indica</i>	Neem	12	Medicinal value, To control soil erosion. To improve soil erosion	4	<i>Barringtonia acutangula</i>	Newar	8	Medicinal value, evergreen tree	5	<i>Bauhinia blackania</i>	Bahunia	9	Drought tolerant, Medicinal	
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6	<i>Bauhinia purpurea</i>	Mountain Ebony	8	Fragrant flowers, Birds attracting
7	<i>Butea monosperma</i>	Palas	9	Medicinal value, Bird attracting species, To control soil erosion.
8	<i>Cassia fistula</i>	Bahawa	10	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
9	<i>Cassia glauca</i>	Cassia	5	Fragrant flowers, Bird attracting species. Profuse bloomer, butterfly attractor
10	<i>Citrus reticulata</i>	Santra	7	Edible fruit, Bird attracting species.
11	<i>Cordia dichotoma</i>	Bhokar	12	Medicinal value, Edible fruits,
12	<i>Couroupita guianensis</i>	Kailaspati	6	Fruit bearing tree
13	<i>Emblia officinalis</i>	Amala	9	Medicinal value, Edible fruit.
14	<i>Erythrina indica</i>	Pangara	8	Fragrant flowers, Drought tolerant species, Birds attracting
15	<i>Fern Tree</i>	Fern Tree	10	Ornamental tree
16	<i>Lagerstromia speciosa</i>	Tahman	12	Medicinal value, To control soil erosion.
17	<i>Mangifera indica</i>	Mango	9	Edible fruit, Bird attracting species.
18	<i>Manilkara hexandra</i>	Chikoo	8	Fruit bearing tree, Bird attracting
19	<i>Michelia champaca</i>	Sonchafa	15	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
20	<i>Nyctanthus arbotritris</i>	Parijatak	9	Fragrant flowers, Medicinal value
21	<i>Parkia bigandulosa</i>	Chendu Phali	10	Edible seeds
22	<i>Peltophorum acerifolium</i>	Muchkund	11	Ornamental tree, medicinal value
23	<i>Peltophorum africanum</i>	Copper pod tree	7	Ornamental tree
24	<i>Psidium guajava</i>	Peru	8	Fruit bearing tree, Bird attracting
25	<i>Saraca indica</i>	Sita-ashok	10	Medicinal value, Religious plant.
26	<i>Swetenia mahogani</i>	Mahogani	11	Medicinal, Bird attracting
27	<i>Thespesia populnea</i>	Bhendi	6	Ornamental tree, medicinal value
Total No. of Trees to be planted			245	

Shrub List:

SHRUBS LIST			
1.	<u>Lagerostomi Indelca</u>	11.	<u>Roses</u>
2.	<u>Hibiscus</u>	12.	<u>Plumbago capensis</u>
3.	<u>Ixora</u>	13.	<u>Hibiscus</u>
4.	<u>Ficus</u>	14.	<u>Hiptage madablota</u>
5.	<u>Shankasur</u>	15.	<u>Nyctanthes arborristis</u>
6.	<u>Lagerostomia indlca</u>	16.	<u>lantana</u>
7.	<u>Begonia</u>	17.	<u>Hemigraphis</u>
8.	<u>Philodondron cordata</u>	18.	<u>Callistemon</u>
9.	<u>Allamanda</u>	19.	<u>Thevetia nerifolia</u>
10.	<u>Bougainvillia</u>	20.	<u>Tabernaemontana coronaria</u>

- Number & list trees species to be planted around the border of nallah/steam/pond (If any): NA
- No. of Existing Trees: Nil
- Number, Size, Age and Species of trees to be cut, trees to be transplanted: NA
- NOC for the tree cutting/ transplantation/ Compensatory plantation, if any :NA
- Budgetary allocation(capital Cost& O & M Cost):
- Capital Cost: 50,00,000/-
- O & M: 5,00,000/- p.a.

34.

Power Supply:

- Total power consumption for residential buildings
Source of Supply: MSEDCL.
Total Connected Load : 2550.45 KVA
Total Demanded load: 2040.36 KVA
Transformers: 630KVA X 4 Nos.
DG Sets: 250 KVA X 1 No.
Fuel Requirement (Diesel at 75 % loading)-381lit./hr
46-48 Liter/Hr on 100% Loading
23-24 Liter/Hr on 50% Loading
- Total power consumption for club house and commercial buildings: No. separate DG for these areas, as already included in these.
- Energy saving measures
 - Use of Solar Energy - Street and some of the landscape lighting, approx.50% of the total quantity.
 - Use of CFL /LED of common area lighting.
- Solar energy utilization - Envisaged for water heating & common area lighting.
- The following Energy Conservation Methods are proposed in the project: Solar Water System
- Detail calculations & 25% of saving:

Energy Saving Practices				
S.No	Energy Saving	Load	KWHr/	%

	in KWH/Annum	In KW	Annum	Saving
1	CFL Lights	31.68	20,813.76	1.29
2	LED lights	2.52	1,655.64	0.10
3	Solar lighting	1.3	854.10	0.05
4	Solar Water Heating	567	372,519.00	23.14
	Total Saving	602.5	395,842.50	25

- Compliance of the ECBC guidelines: (Yes / No) (If yes then submit compliance in tabular form):

Compliance with Energy Conservation Building Code (ECBC) 2007

Section No.	Requirement	Compliance
7.2	Lighting controls occupancy/time switch	Parking area lighting will be controlled through switch with alternate switching
7.2.1.4	Exterior lighting to be controlled by photo sensor or time switch	External lighting will be controlled through timer
7.3	Interior lighting power to be within specified limits	All light in common open area will be ceiling mounted. It illuminates the required area only.
7.4	Exterior lighting power to be within specified limits	All lights will be with bracket or arm, so no extra light will be cross the boundary limit.
8.2.1.1	Maximum allowable power loss from transformer	Shall be used energy efficient 3 Star rating transformers as per ECBC Norms.
8.2.2	Energy efficient motors	For the common area all motors will be energy efficient as per ECBC.
8.2.3	Power factor be maintained between 0.95 and unity	We will use capacitor bank for common areas load to maintain power factor.
8.2.5	Power distribution system losses to be maintained less than 1%	We will consider low watt loss type MCB in all distribution system.

Budgetary allocation (Capital cost and O & M cost):

Capital Cost : 75.00 Lakh

O & M Cost : 3.50Lakh

Number and capacity of the DG sets to be used: 1 No. 250 KVA.

Stack Height: For 250 KVA: 4.5 Mtr. (G.L.)

Diesel Consumption@ full Load: 46-48 lit/hr

	Electricity requirement from MSEDCL: 2040.36 KVA																																																						
	HT line passing through the plot if any: NA																																																						
35	Environmental Management plan Budgetary Allocation: During Construction & Operation Phase: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th style="width: 5%;">Sr. No.</th> <th style="width: 45%;">Particular</th> <th style="width: 25%;">Capital cost (INR)</th> <th style="width: 25%;">O & M Cost (INR/annum)</th> </tr> <tr><td>1</td><td>Sewage treatment Plant</td><td>72,00,000/-</td><td>4,00,000/-</td></tr> <tr><td>2</td><td>Rain Water Harvesting</td><td>35,00,000/-</td><td>3,00,000/-</td></tr> <tr><td>3</td><td>Storm Water Network</td><td>15,00,000/-</td><td>2,00,000/-</td></tr> <tr><td>4</td><td>Solid Waste Management</td><td>32,00,000/-</td><td>5,00,000/-</td></tr> <tr><td>5</td><td>Green Belt Development</td><td>50,00,000/-</td><td>5,00,000/-</td></tr> <tr><td>6</td><td>Swimming Pool</td><td>16,00,000/-</td><td>1,50,000/-</td></tr> <tr><td>7</td><td>Solar Water heater</td><td>45,00,000/-</td><td>2,00,000/-</td></tr> <tr><td>8</td><td>Solar PV Cells</td><td>30,00,000/-</td><td>1,50,000/-</td></tr> <tr><td>9</td><td>Environmental Monitoring</td><td>--</td><td>1,60,000/-</td></tr> <tr><td>10</td><td>Safety training & awareness</td><td>10,00,000/-</td><td>--</td></tr> <tr><td>11</td><td>Water Tanker supply</td><td></td><td>1,00,000/-</td></tr> <tr> <td colspan="2" style="text-align: right;">Total</td><td>3,05,00,000/-</td><td>26,60,000/-</td></tr> </table> <ul style="list-style-type: none"> Quantum and generation of corpus fund and Commitment: Project proponent shall generate corpus fund from individual flat owners for O & M during operation phase till handing over of premises to society. Responsibility for further O & M: Corpus fund shall be handed over to the society. While handing over Environmental Management Facilities M.O.U. shall be made with society to accept responsibility of further O & M 			Sr. No.	Particular	Capital cost (INR)	O & M Cost (INR/annum)	1	Sewage treatment Plant	72,00,000/-	4,00,000/-	2	Rain Water Harvesting	35,00,000/-	3,00,000/-	3	Storm Water Network	15,00,000/-	2,00,000/-	4	Solid Waste Management	32,00,000/-	5,00,000/-	5	Green Belt Development	50,00,000/-	5,00,000/-	6	Swimming Pool	16,00,000/-	1,50,000/-	7	Solar Water heater	45,00,000/-	2,00,000/-	8	Solar PV Cells	30,00,000/-	1,50,000/-	9	Environmental Monitoring	--	1,60,000/-	10	Safety training & awareness	10,00,000/-	--	11	Water Tanker supply		1,00,000/-	Total		3,05,00,000/-	26,60,000/-
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	Traffic Management No. of junction to the main road and design of confluence: one Plot Area: 25,442.89 sq.m. Parking Details: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th style="width: 5%;">Sr. No.</th> <th style="width: 35%;">Type</th> <th style="width: 30%;">Applicable no of parking As per DCR</th> <th style="width: 30%;">Provided parking</th> </tr> <tr><td>1.</td><td>2 Wheeler</td><td>797</td><td>797</td></tr> <tr><td>2.</td><td>4 Wheeler</td><td>421</td><td>421</td></tr> <tr><td>3.</td><td>Cycles</td><td>555</td><td>555</td></tr> <tr><td>4.</td><td>Public Transport</td><td>-</td><td>-</td></tr> </table> <p style="margin-top: 10px;">Total area provided for parking: 14841 sq.m. No. of car parking provided: 421 Type of parking (Open/Stilt/Basement): open/Stilt Area per car including driveway provided for car parking: 30 sq.m. Width of all Internal roads: NA</p>			Sr. No.	Type	Applicable no of parking As per DCR	Provided parking	1.	2 Wheeler	797	797	2.	4 Wheeler	421	421	3.	Cycles	555	555	4.	Public Transport	-	-																																
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3.	Cycles	555	555																																																				
4.	Public Transport	-	-																																																				
37.	CRZ/RRZ clearance obtain, if any	Not Applicable																																																					
38.	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable																																																					

3. The proposal has been considered by SEIAA in its 90th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :

General Conditions for Pre- construction phase:-

- (i) This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.
- (ii) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2011.
- (iii) Occupation certificate shall be issued to the project by Local Planning Authority only after ensuring availability of drinking water and connectivity of the sewer line to the project site.
- (iv) This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
- (v) PP has to abide by the conditions stipulated by SEAC & SEIAA.
- (vi) The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
- (vii) "Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
- (viii) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

General Conditions for Construction Phase-

- (i) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.
- (ii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal

of wastewater and solid wastes generated during the construction phase should be ensured.

- (iii) The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- (iv) Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- (v) Arrangement shall be made that waste water and storm water do not get mixed.
- (vi) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- (vii) Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
- (viii) Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- (ix) Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
- (x) Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
- (xi) Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
- (xii) The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
- (xiii) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
- (xiv) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- (xv) Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to

- reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.
- (xvi) Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).
 - (xvii) Ready mixed concrete must be used in building construction.
 - (xviii) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
 - (xix) Storm water control and its re-use as per CGWB and BIS standards for various applications.
 - (xx) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
 - (xxi) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
 - (xxii) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
 - (xxiii) Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
 - (xxiv) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
 - (xxv) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
 - (xxvi) Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
 - (xxvii) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
 - (xxviii) Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be

in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.

- (xxix) Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
- (xxx) Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
- (xxxi) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
- (xxxii) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- (xxxiii) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- (xxxiv) Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
- (xxxv) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.
- (xxxvi) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.

General Conditions for Post- construction/operation phase-

- (i) Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SELAA 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.

- (ii) Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.
- (iii) Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
- (iv) A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
- (v) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
- (vi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (vii) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
- (viii) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://ec.maharashtra.gov.in>.
- (ix) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
- (x) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xi) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (xii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
- (xiii) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution

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

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.
6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
7. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 7 years as per 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, 1st Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


(Malini Shankar)
Member Secretary, SEIAA

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.
2. Shri. Jagdish Joshi, Chairman, IAS (Retd.), SEAC-III, Flat no. 3, Tahiti chs. Juhu Vers Ova Link Road, Andheri (W), Mumbai- 400 053.

3. Additional Secretary, MOEF, 'MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
4. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
5. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
6. Managing Director, MSEDCL, MG Road, Fort, Mumbai
7. Collector, Pune
8. Commissioner, Municipal Corporation Pune (PMC)
9. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
10. Regional Office, MPCB, Pune.
11. Select file (TC-3)

(EC uploaded on 28/01/2016)