

HALF-YEARLY POST EC COMPLIANCE REPORT

OF

Proposed Residential Project "Sai Jivdani" at S.No.

177, H. No. 1, Nallasopara, Thane Enterprises.

PERIOD

July 2024 – December 2024

Project Proponent

M/s. Sai Jivdani Enterprises.

Office : Survey No. 177, H. No. 1 & 2, Survey No. 181, H. No. 1B, Sr. No. 182, Near Mother Mary School,
Shri Prasta, Nallasopara (W), Tal. Vasai, Dist. Thane - 401 203

To,
The Director,
Ministry of Environment, Forests & Climate Change.
Regional Office, West Central Zone,
New Secretarial Building, East wing, Civil Lane,
Near Old VCA stadium, Nagpur - 440001.

Date: 29/11/2024

Subject : Submission of Half Yearly Post Environment Clearance Compliance Report for the period of July 2024 – December 2024 for Proposed Project "Sai Jivdani" at S. No. 117, H. No. 1, Nallasopara, Thane by M/s. Sai Jivdani Enterprises.

Reference : Environment Clearance letter No. SEAC-2015/CR-368/TC-1 dated 21/09/2016.

With reference to above mention subject, we would like to inform you that we have been accorded the environmental clearance for our Residential with Shopline project from SEIAA Maharashtra, on 21.09.2016. We hereby submit six monthly monitoring report for the period ended (July - December 2024) for Proposed project.

Hope the above are in line with your requirement and kindly acknowledge the receipt.

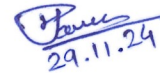
Thanking you,

Yours faithfully,

M/s. Sai Jivdani Enterprises.

(Authorized Signatory)

CC: Principal Secretary, Environment Department.
Member Secretary, MPCB.



29.11.24

Maharashtra Pollution Control Board
Kalpataru Point, 2nd Floor, Sion Circle,
Opp. Cine Planet, Sion (East),
Mumbai - 400 022.
Tel. 24010437 / 24020781.
Website : www.mpcb.gov.in

PART I
DATA SHEET

1.	Project type: river-valley/ mining/ Industry/thermal/ nuclear/ Other (specify)	Construction project
2.	Name of the project	"Sai Jivdani"
3.	Clearance letter (s) / OM/ no and date:	SEAC 2015/CR-368/TC-1 dated 21/09/16
4.	Location	S.NO 177 H.No. 1 Village Nilemore, Tal : Vasai, Dist – Palghar.
a.	District (s)	Palghar
b.	State (s)	Maharashtra
c.	Latitude / Longitude	Latitude : 19° 25' 35 63" N Longitude : 73° 48' 31 47" E
5.	Address for correspondence	
	Address of concerned project Chief Engineer (with pin code & telephone / telex / fax numbers)	Mr Prabhakar Naik M/s Sai Jivdani Enterprizes Village Nilemore, Tal : Vasai, Dist – Palghar. mail: kirand009@gmail.com Phone: 09960832888
	Address of Executive Project Engineer /Manager (with pin code / fax number)	Mr Prabhakar Naik M/s Sai Jivdani Enterprizes Village Nilemore, Tal : Vasai, Dist – Palghar. E-mail: kirand009@gmail.com Phone: 09960832888
6.	Salient features	
a.	of the project	No of Proposed bldg. : 23 Max Height: 12.10 m
b.	of the environmental management plans	• STP capacity: 550 m³ • Wastewater generated: 522 m³ /day • Recycled wastewater will be used for gardening and flushing. • The Solid waste approximately 2.08 TPD

		generated will be segregated at source into biodegradable and non-biodegradable waste. The degradable waste will be converted to compost using Mechanical composting unit. While non- biodegradable will be handed over to authorized recycler for disposal. • Rainwater from the terrace will be diverted into proposed storage tank. • Landscape garden will be developed in the building.
7.	Break Up Of the project Area	Total plot area: 26,840 sq.mts Total Built up area : 40,409.58 sq.mts
a.	Submerge area : forest & :non-forest	NA
b.	Others	RG area: 3277.34 sq. mts
8.	Break up of the project affected: population with enumeration of those losing houses / dwelling units, only agriculture land only, both dwelling units and agriculture land and landless labourers / artisan	NA
a.	SC, ST / Adivasis	Nil
b.	Others	Nil
9.	Financial details	
a.	Project cost as originally planned and subsequent revised estimates and the year of price reference	Total : 52.94 Cr
b.	Allocation made for environmental management plans with item wise and year wise break-up	Total Capital cost for Environmental Management Plans : 2.59 Cr Sewage Treatment Plant : 1.13 Cr Rain Water Harvesting : 0.33 Cr Solid Waste Management : 0.10 Cr Landscape/Gardening : 0.18 Cr Energy conservation measures : 0.85 Cr

c.	Benefit cost ratio/ Internal rate of return and the year of assessment	---
d.	Whether (c) includes the cost of environmental management as shown in the above	Yes
e.	Actual expenditure incurred on the project so far	About : 38 Cr
f.	Actual expenditure incurred on the environmental management plans so far	About 75 lakh
10.	Forest land required	N.A
a.	The status of approval for diversion of forest land for non-forest use	N.A
b.	The status of clearing and felling	N.A
c.	The status of compensatory afforestation, if any	N.A
d.	Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	N.A.
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads) , if any with quantitative information	N.A.
12.	Status of construction	a) Construction work at site in progress and completed about 19,550.00 sq.m
a.	Date of commencement (Actual and/or planned)	2002
b.	Date of completion (Actual and/ of planned)	Dec 2020
13.	Reasons for the delay if the project is yet to start	Market conditions

Part-II

Compliance of EC Condition:

S No	Compliance	Action
	General condition for pre-construction phase	
(i)	The EC is issued subject to restrict total BUA of 21,292.51 sq.m as approved by local Planning Authority.	The above condition is noted and will be adhere to.
(ii)	This environmental clearance is issued subject to land use verification Local authority/ planning authority should ensure this with request to Rules, Regulations. Notifications, Government Resolutions, Circulars, etc. issued if any. Judgement/orders issued by Hon'ble High court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provision, environmental issues in this matter should be verified. The pp should submit exactly the same plans apprised by concern SEAC and SEIAA. If any discrepancy found in plan 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.	The above condition is noted and will be adhere to.
(iii)	PP to ensure that the fire staircase open outside the building no. 5, Wing A & D.	The above condition is noted.
(iv)	PP to ensure that the no fire staircase or lift goes to basement.	The above condition is noted.
(v)	PP to provide minimum 3.0 m basement height to ensure ventilation.	The above condition is noted.
(vi)	E-waste shall be disposed through authorized vendor as per E waste (Management & Handling) Rules, 2011.	We will mention a clause in agreement of each individual i.e Handling of E-Waste must be as per E-Waste (Management & Handling) Rules, 2011 and handed over to

		only MPCB authorized vendor for final disposal
(vii)	The environmental clearance is issued subject to obtaining NOC from forest and wildlife angle including clearance from the standing committee of the NBWL as if applicable & this EC does not necessarily implies that forest and wildlife clearance granted to the project which will be considered separately.	The above condition is noted.
(viii)	PP has to abide by the conditions stipulated by SEAC and SEIAA.	The above condition is noted and will be adhere to.
(ix)	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. ULB should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	The above condition is noted and will be adhere to.
(x)	"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.	Applied
(xi)	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Adequate number of toilets will be provided. Also the waste water will be treated in septic tanks & soak pits.
	General condition for construction phase	
1	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc.	We have hired all the labour through contractor which is residing neighbourhood villages. However, we have made provision of drinking water Mobile STP & toilet facility at site.

2	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	We have made separate provision for drinking water at site for workers. We have also provided sanitary facility at the site and septic tank followed by soak pit is provided for sewage disposal. Most of the construction waste will be retained and reuse for levelling of low lying area.
3	The solid waste generated should be properly collected & segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovery of recyclable matter	The above condition is noted and will be adhere to.
4	Disposal of muck during construction phase should not create any adverse effect on the neighbouring 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.	The above condition is noted and will be adhere to.
5	Arrangement shall be made that waste and storm water do not get mixed.	The above condition is noted and will be adhere to.
6	All the topsoil excavated during construction activates should be stored for use in horticulture/landscape development within the project site.	Top soil excavated in the construction activities will be conserved and used for landscaping in the operational phase.
7	Additional soil for levelling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	The above condition is noted and will be adhere to.
8	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	Yes, Green Belt Development will be carried out according to CPCB guidelines.
9	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	The environmental monitoring is regularly carried out for various parameters. A copy of the monitoring report is attached.
10	Construction spoils, including bituminous material and	The above condition is noted and will be

	other hazardous materials must not be allowed to contaminate watercourse and dumpsites for such material must be secured so that they should not leach into the ground water.	adhere to.
11	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra pollution Control Board.	There will no generation of hazardous waste and if any, then care will be taken to dispose off as per the MPCB norms.
12	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.	The above condition is noted and will be adhere to.
13	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	The above condition is noted and will be adhere to.
14	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should confirm to applicable air and noise emission standards and should be operated only during non-peak hours.	The above condition is noted and will be adhere to.
15	Ambient noise levels should be 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 confirm to the stipulated standards by CPCB/MPCB.	The above condition is noted and will be adhere to. Noise generating activities will be carried out only during day time during construction project. Workers will be provided with ear muffs/ear plugs.
16	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as 27 th August, 2003(The above condition is applicable only if the project site is located within the 100Km of Thermal Power	The above condition is noted and will be adhere to.

	Stations).	
17	Ready mixed concrete must be used in building construction.	The above condition is noted and will be adhere to.
18	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.	The above condition is noted and will be adhere to.
19	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Storm water from the entire plot will be collected through network of storm drains. Storm water from plot area will be collected in the rainwater harvesting units for recharging ground water, rainwater from terrace of the buildings will be harvested and directed to recharge pit provided. The overflow from these pits, if any, will be then discharged in the storm drain.
20	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Ready mix concrete and curing agents are generally used in our construction. Other best practices will also be adopted.
21	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	The above condition is noted and will be adhere to.
22	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/reused to the maximum extent possible. Treatment of 100% gray water by decentralized treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards of the Maharashtra Pollution Control Board. Necessary	The total wastewater generation from the project is about 522 KLD. Therefore, we will make provision of STP with capacity of 550 KLD.

	measures should be made to mitigate the odour problem from STP.	
23	Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.	The above condition is noted and will be adhere to.
24	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	The above condition is noted and will be adhere to.
25	Fixtures for shower, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	The above condition is noted and will be adhere to.
26	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows.	The above condition is noted and will be adhere to.
27	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement.	The above condition is noted and will be adhere to.
28	Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non conventional energy source as source of energy.	Light fixtures will be used with energy saving CFL & T5 fluorescent tube with electronic choke for lighting at common areas. Solar operated pole lights will be provided with electronic ballast to save energy.
29	Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of	The above condition is noted and will be adhere to.

	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.	
30	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night-time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	The above condition is noted and will be adhere to.
31	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	The above condition is noted and will be adhere to.
32	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.	The above condition is noted and will be adhere to.
33	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	The above condition is noted and will be adhere to.
34	Regular supervision of the above and other measure for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	The above condition is noted and will be adhere to.
35	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	The above condition is noted and will be adhere to.

	clearance.	
36	Six monthly monitoring report should be submitted to the Department and MPCB.	The above condition is noted and will be adhere to.
	General condition for construction phase	
1	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in para2. Prior certification from appropriate authority shall be obtained.	The above condition is noted and will be adhere to.
2	Wet garbage should be treated by organic waste converter and treated waste should be utilized in the existing premises	The above condition is noted and will be adhere to.
3	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	The above condition is noted and will be adhere to.
4	A complete set of all the documents submitted to Department should be forwarded to the MPCB.	The above condition is noted and will be adhere to.
5	In the case of any change (s) in the scope of the project, the project would require a fresh appraisal by this Department.	The above condition is noted and will be adhere to.
6	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	The above condition is noted and will be adhere to.
7	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purpose and year-wise expenditure should reported to the MPCB & this department.	The above condition is noted and will be adhere to.
8	The project management shall advertise a least in two local newspapers widely circulated in the region around	We have given public notice in following news paper:

	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://envis.maharashtra.gov.in .	Navshakti :08/10/16 Free press Journal :08/10/16
9	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 1 st June & 1 st December of each calendar year.	The above condition is noted and will be adhere to.
10	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestion/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.	The above condition is noted and will be adhere to.
11	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. If 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 sectorai parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	The above condition is noted and will be adhere to.
12	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective	The above condition is noted and will be adhere to.

	Regional Office of MoEF, the respective Zonal office CPCB and the SPCB.	
13	The environmental statement for each financial year ending 31 st march in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	The above condition is noted and will be adhere to.

PUBLIC NOTICE

अर्जदारांना प्रतिसह सदर सूचना प्रसिध्दी तारखेपासून चौदा दिवसात सन्माननीय विभागीय संचालक, पर्यावरण विभाग, एम्हरेस्ट, ५ वा मजला, १००, मीन ड्राईव्ह, मुंबई-४००००२, महाराष्ट्र यांना विरोधाची पाववभूमी आणि त्याच्या/तिच्या हितसंबंधाचा प्रकार नमुद करून मूळ शपथपत्राद्वारे सहाय्यभूत त्याची/तिची हकत हाती किंवा रजिस्टर्ड पोस्टने पाठवू शकतात.

नोंदणीकृत कार्यालय:
 'दोलत', प्लॉट क्र. ६०बी, दोलत कॅपिटल मार्केट प्रायव्हेट लिमिटेड
 ईस्ट वेस्ट रोड क्र. २, च्या वलीने आणि करिता
 जेव्हीपीडी स्कीम, सही/-
 विलेपार्ले (पश्चिम), मुंबई-४०००४९ श्री. पंकज दोलतराय राह
 ठिकाण : मुंबई व्यवस्थापकीय संचालक
 दिनांक : ०६ ऑक्टोबर, २०१६ डीआयएन : ००००५०२३

पब्लिक नोटीस

महाराष्ट्र सरकार पर्यावरण विभाग रुम नं. २१७, दुसरा मजला, मंत्रालय विस्तारीत, मुंबई-४०० ०३२ यांनी त्यांच्या पत्र क्रमांक SEAC-2015/CR/368/TC-1 dated 21st Sept., 2016. या द्वारे मेसर्स. साई जिवदानी इटरप्राईजेस यांच्या रहिवाशी प्रकल्प साई जिवदानी रेसिडेन्सील कर्मशियल प्रोजेक्ट, सर्वे नं. १७७, हिस्सा नं. ०१, गाव - निलेमोरे, ता. वसई, जि. पालघर, येथील पर्यावरण विषयक परवानगी दिली आहे.

सदर परवानगी पत्राच्या प्रती महाराष्ट्र शासन पर्यावरण विभाग, मंत्रालय व महाराष्ट्र राज्य प्रदुषण नियंत्रण मंडळाकडे उपलब्ध आहेत. त्याचप्रमाणे <http://ec.maharashtra.gov.in> या वन व पर्यावरण मंत्रालयाच्या वेबसाईटवर पाहू शकता.

०१/११/२०१६ - ०८/१०/२०१६

०१/११/२०१६ - ०८/१०/२०१६

Hon'ble High Court.
 Dated this 8th October 2016.
 M. Arshad Haindaday
 Advocate High Court, Mumbai
 Mobile No. 9821039042

Managing Committee
 Sd/-
 Hon. Secretary
 Dated : 08/09/2016

PUBLIC NOTICE

All the Concerned persons including bonafide residents, environmental group and others are hereby informed that the department of Environment, Government of Maharashtra, Room No. 217, Second Floor, Mantralay Extn., Mumbai 400 032 has accorded Environmental clearance to M/s. Sai Jivdani Enterprises for their proposed project "SAI JIVDANI Residential Commercial Projects" at Survey No. 177, Hissa No. 1, Village Nilemore, Taluka-Vasai, Dist - Palghar under wide letter No. SEAC-2015/CR/368/TC-1 dated 21st Sept. 2016.

The copy of clearance letter is available with department of Environment, Government of Maharashtra & Maharashtra State Pollution Control Board and Website at <http://ec.maharashtra.gov.in>

THE FREE PRESS JOURNAL 08/10/16

BRIHANMUMBAI
 MAHANAGARPALIKA

ACHE/Gen/500/MOHE of dt. 06.10.2016

7/9

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEAC-2015/CR-368/TC-1
Environment department,
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai- 400 032.
Date: 21st September, 2016.

To,
M/s. Sai Jivdani Enterprises.
Shop No.1, Jay Apt, Mahesh Park,
Tulinj Road, Nallasopara (E), Tal. Vasai,
Dist- Thane – 401 209.

Subject: Environment clearance for proposed residential project “Sai Jivdani” at S.No. 177,
H.No.1, Nallasopara, Thane by M/s. Sai Jivdani Enterprises.

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-II, Maharashtra in its 37th 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 91st & 102nd meetings.

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

Brief Information of the project submitted by you is as-

1	Name of the Project	“Sai Jivdani” –Residential Commercial Project
2	Project Proponent	Mr.Prabhakar Naik Sai Jivdani Enterprises
3	Consultant	Name- Mr. H.K. Desai Enviro Analysts & Engineers Pvt. Ltd
4	Accreditation of the consultant (NABET Accreditation)	QCI NABET LIST for the Construction Project/ Area Development Project/Township - Accreditation from NABET (Sr. No. 47 as per Rev.33/August 05,2015)
5	Type of Project: Housing Project/Industrial Estate/SRA Scheme/MHAD A/ Township or others	Residential Commercial Project

6	Location of the project	S. No. 177, H. No. 1, Village Nilemore, Vasai			
7	Whether in Corporation/Municipal/other area	Vasai Virar City Municipal Council (VVCMC)			
8	Applicability of the DCR	DCR of Vasai Virar City Municipal Council (VVCMC)			
9	Note on the initiated work (if applicable)	Total constructed work (FSI+ Non FSI): (5498.24 +3839.11) = 9337.35 sq.m. Date and area details in the necessary approvals issued by the Competent Authority (attach scan copies):- CC is obtained dated 3-9-2002. Revised CC dated 13-06-2011& 31-10-2011			
10	LOI/NOC from MHADA/ other approvals (If Applicable)	Not Applicable			
11	Total plot area (sq.m.) Deductions Net Plot Area	Sr. no.	Area	Details (In sq.m.)	
		1	Total Plot area	26840.00	
		2	Deduction for DP	5031.766	
		3	Balance Plot area	21808.234	
12	Permissible FSI (including TDR etc.)	46342.49 sq.m.			
13	Proposed Built Up Area (FSI & Non FSI)	FSI Area=21292.95 Sq. m. Non FSI Area= 19117.63 Sq. m. Total Built Up Area=40409.58 Sq. m.			
			Existing (in sq.m.)	Proposed (in sq.m.)	
		FSI area	16075.61	21292.95	
		Non FSI Area	3474.68	19117.63	
		Construction area	19550.34	40409.58	
14	Ground Coverage Percentage (%) (Note: percentage of plot not open to sky)	3406.34 Sq. m (18.37 % for Bldg. 5 & 6)			
15	Estimated cost of the project	Rs.52.94 Crores			

16	Number of Buildings & configuration(s)	Bldg No	Configuration	Existing/ Proposed
		Bldg -1	(G+4)	EXISTING
		Bldg -2	(G+4)	
		Bldg - 3	(G+4)	
		Bldg- 4	(G+4)	
		Bldg -1	(G+4)	
		Bldg -2	(G+4)	
		Bldg - 3	(G+4)	
		Bldg- 4	(G+3)	
		Bldg -5	(G+4)	
		Bldg -6	(G+4)	
		Bldg -7	(G+3)	
		Bldg-8	(G+3)	
		Bldg- 5 (Wing, A,B,C,D)	(Basement+ Stilt+ Podium+22)	PROPOSED FOR EC (NOT CONSTRUCTED)
		Bldg 6	(G+7)	CONSTRUCTED
17	Number of tenants and shops	Particulars		Details
		No. Of tenements (Proposed Bldg 5 & 6)		822
		No. Of Shops (Proposed Bldg. 5)		34
18	Number of expected residents/users	TYPE		NO. OF USERS
		Residential		4110
		Commercial		102
		Total		4212
19	Tenant density per hector	316 Nos. Per Hectare (For Bldg. 5 & 6)		
20	Height of the building(s)	Bldg No	Configuration	Height in m
		Bldg -1	(G+4)	14.85
		Bldg -2	(G+4)	
		Bldg - 3	(G+4)	
		Bldg- 4	(G+4)	
		Bldg -1	(G+4)	14.85
		Bldg -2	(G+4)	
		Bldg - 3	(G+4)	
		Bldg- 4	(G+3)	12.20
		Bldg -5	(G+4)	14.85
		Bldg -6	(G+4)	14.85
		Bldg -7	(G+3)	15.00
		Bldg-8	(G+3)	12.20
		Bldg 5 (Wing-A,	(Basement + Stilt	70.00

		B,C,D)	+ Podium + 22)	
		Bldg 6	(G+7)	23.80
21	Right of way (Width of the road from the nearest fire station to the proposed building(s))	30 m wide DP Road 12 m wide DP Road		
22	Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5-9 m		
23	Existing structure(s)	Existing Buildings Bldg. 1-4 (BP-2466) of G +4 Floors Existing Buildings Bldg. 1-8 (BP-2582) of G+3/4 Floors Proposed Building No. 6 of G+7 Floors		
24	Details of the demolition with disposal (If applicable)	Not Applicable		
25	Total Water Requirement	Dry Season Fresh Water (KLD) & Source: 372 by VVCMC Recycled Water (KLD): 204 Total Water Requirement (KLD): 576 Swimming Pool Make up (Cum): Nil Fire Fighting (Cum): UG Tank:100 Cum for Bldg. 6 OH Tank: 25 cum for bldg. 5 & 6 Wet Season Fresh Water(KLD): 289+83 & Source: VVCMC + Rain water Recycled Water (KLD): 188 Total Water Requirement (KLD): 560 Swimming Pool Make up (Cum)-Nil Fire Fighting (Cum): UG Tank:100 cum for Bldg. 6 OH Tank: 25 cum for bldg. 5 & 6		
26	Rain Water Harvesting (RWH)	Level of the Ground Water Table: Up to 3.00 m Size and no. of RWH tanks and Quantity 2 Nos. (165 cum) Location of the RWH tank(s): below Ground level Size, no of recharge pits and quantity: Nil Budgetary allocation (Capital cost and O&M Cost) Capital cost: Rs. 33.00Lakhs O&M Cost: Rs. 1.70Lakhs		

27	UGT Tanks	Location(s) of the UGT Tank(s): Underground Domestic Tank = 372 cum Flushing = 191 Cum Fire Tank = 100 cum																					
28	Storm water drainage	Natural Water drainage pattern: South to North Quantity of storm water: Total Actual Discharge: 0.127 cum/sec Total Design Discharge: 0.130 cum/sec Size of SWD: B=0.40 m, D=0.30 m																					
29	Sewage and waste water	Sewage Generation (KLD): 522 STP Technology: MBBR Capacity of STP (KLD): 550 KLD Location of the STP: Below ground level DG Sets (during emergency): 1 X 250 KVA Budgetary allocation (Capital cost and O&M Cost) Capital cost: Rs. 113.00 Lakhs O&M Cost: Rs. 28.00 Lakhs																					
30	Solid waste management	Waste generation in the Pre Construction and Construction Phase: Waste generation: Debris & excavated material generated will be disposed as per the norms by VVCMC. Disposal of the construction way debris: Debris to be disposed as VVCMC debris management plan. <table border="1"> <thead> <tr> <th>Sr .</th><th>Particulars</th><th>Management</th></tr> </thead> <tbody> <tr> <td>1</td><td>Scrap metal</td><td>To be sold for recycling</td></tr> <tr> <td>2</td><td>Empty cement bags</td><td>To be sold to vendors.</td></tr> <tr> <td>3</td><td>Aggregates</td><td>To be used as a layer for internal</td></tr> <tr> <td>4</td><td>Wood</td><td>To be sold for reuse/recycling.</td></tr> <tr> <td>5</td><td>Tiles</td><td>To be used as china mosaic water for terraces and skirting purpose.</td></tr> <tr> <td>6</td><td>Empty Paint cans</td><td>To be sold to vendors.</td></tr> </tbody> </table> Waste generation in the Operation Phase: Dry Waste (Kg/day): 840.00 Wet Waste (Kg/day): 1241.00 E waste (Kg/month): Not applicable Hazardous Waste (Kg/month): Not applicable Bio-medical Waste (kg/month) (if applicable): Not applicable STP Sludge (Dry Sludge): 33.00 kg/day Mode of Disposal of Waste: Dry waste: To be managed through recyclers. Wet Waste: To be processed in the Organic Waste Converter and manure so obtained will be used for landscaping. E-Waste: NA Hazardous Waste: NA Biomedical Waste: NA	Sr .	Particulars	Management	1	Scrap metal	To be sold for recycling	2	Empty cement bags	To be sold to vendors.	3	Aggregates	To be used as a layer for internal	4	Wood	To be sold for reuse/recycling.	5	Tiles	To be used as china mosaic water for terraces and skirting purpose.	6	Empty Paint cans	To be sold to vendors.
Sr .	Particulars	Management																					
1	Scrap metal	To be sold for recycling																					
2	Empty cement bags	To be sold to vendors.																					
3	Aggregates	To be used as a layer for internal																					
4	Wood	To be sold for reuse/recycling.																					
5	Tiles	To be used as china mosaic water for terraces and skirting purpose.																					
6	Empty Paint cans	To be sold to vendors.																					

		STP Sludge (Dry Sludge): To be used as manure. Area requirement Location(s) and total area provided for the storage and treatment the solid waste: <table><tr><td>Sr. No.</td><td>OWC details</td><td>Particulars</td></tr><tr><td>1</td><td colspan="2">Selected OWC Model=60</td></tr><tr><td>2</td><td>OWC Converter</td><td>14 sq.m.</td></tr><tr><td>3</td><td>Curring area</td><td>20 sq.m.</td></tr><tr><td>4</td><td>Raw Material</td><td>37 sq.m.</td></tr><tr><td>5</td><td>Area of Plant</td><td>72 sq.m.</td></tr><tr><td colspan="3">Dust Bibs (Green & Black)</td></tr><tr><td>1</td><td>Flats</td><td>33</td></tr><tr><td>2</td><td>Shops</td><td>10</td></tr></table> Budgetary allocation (Capital cost and O&M cost) Capital cost : Rs. 10.00Lakhs O&M cost: Rs. 5.00Lakhs	Sr. No.	OWC details	Particulars	1	Selected OWC Model=60		2	OWC Converter	14 sq.m.	3	Curring area	20 sq.m.	4	Raw Material	37 sq.m.	5	Area of Plant	72 sq.m.	Dust Bibs (Green & Black)			1	Flats	33	2	Shops	10																													
Sr. No.	OWC details	Particulars																																																								
1	Selected OWC Model=60																																																									
2	OWC Converter	14 sq.m.																																																								
3	Curring area	20 sq.m.																																																								
4	Raw Material	37 sq.m.																																																								
5	Area of Plant	72 sq.m.																																																								
Dust Bibs (Green & Black)																																																										
1	Flats	33																																																								
2	Shops	10																																																								
31	Green Belt Development	Total RG area: RG area other than green belt (Please specify for playground etc.) RG area under green belt: RG on the ground (Sq. m): Required RG: 3271.235 Sq. m (15%) Proposed RG: 3277.34 Sq. m (15%) RG on the podium (Sq. m):170.00sq.m. Plantation Number and list of trees species to be planted in the ground RG: nos. (existing 317 + Proposed 53) List of existing trees : <table><tr><td>SR</td><td>BOTANICAL NAME</td><td>NAME OF</td><td>QUANTIT</td></tr><tr><td>1</td><td>Cocos nucifera</td><td>Coconut</td><td>10</td></tr><tr><td>2</td><td>Azadirachta indica</td><td>Neem</td><td>12</td></tr><tr><td>3</td><td>Areca catechu</td><td>Supari</td><td>2</td></tr><tr><td>4</td><td>Phoenix canariensis</td><td>Canari</td><td>4</td></tr><tr><td>5</td><td>Ficus religiosa</td><td>Pipal</td><td>5</td></tr><tr><td>6</td><td>Psidium guajava</td><td>Peru</td><td>3</td></tr><tr><td>7</td><td>Annona squamosa</td><td>Sitafal</td><td>4</td></tr><tr><td>8</td><td>Alstonia scholaris</td><td>Sathpani</td><td>15</td></tr><tr><td>9</td><td>Samanea saman</td><td>Rain tree</td><td>1</td></tr><tr><td>10</td><td>Delonix regia</td><td>Gulmohar</td><td>2</td></tr><tr><td>11</td><td>Dypsis lutescens</td><td>Areka palm</td><td>15</td></tr><tr><td>12</td><td>Alstonia scholaris</td><td>Alistonia</td><td>20</td></tr><tr><td>13</td><td>Saraca asoca</td><td>Ashoka</td><td>8</td></tr></table>	SR	BOTANICAL NAME	NAME OF	QUANTIT	1	Cocos nucifera	Coconut	10	2	Azadirachta indica	Neem	12	3	Areca catechu	Supari	2	4	Phoenix canariensis	Canari	4	5	Ficus religiosa	Pipal	5	6	Psidium guajava	Peru	3	7	Annona squamosa	Sitafal	4	8	Alstonia scholaris	Sathpani	15	9	Samanea saman	Rain tree	1	10	Delonix regia	Gulmohar	2	11	Dypsis lutescens	Areka palm	15	12	Alstonia scholaris	Alistonia	20	13	Saraca asoca	Ashoka	8
SR	BOTANICAL NAME	NAME OF	QUANTIT																																																							
1	Cocos nucifera	Coconut	10																																																							
2	Azadirachta indica	Neem	12																																																							
3	Areca catechu	Supari	2																																																							
4	Phoenix canariensis	Canari	4																																																							
5	Ficus religiosa	Pipal	5																																																							
6	Psidium guajava	Peru	3																																																							
7	Annona squamosa	Sitafal	4																																																							
8	Alstonia scholaris	Sathpani	15																																																							
9	Samanea saman	Rain tree	1																																																							
10	Delonix regia	Gulmohar	2																																																							
11	Dypsis lutescens	Areka palm	15																																																							
12	Alstonia scholaris	Alistonia	20																																																							
13	Saraca asoca	Ashoka	8																																																							

14	Exocarpos formis	Australian	1
15	Terminalia catappa	Almond	4
16	Syzygium cumini	Jamun	3

SR	BOTANICAL NAME	NAME OF	QUANTIT
17	Araucaria columnaris	Christmas tree	2
18	Peltophorum pterocarpum	Peltoparam	4
19	Ficus racemosa	Umber	1
20	Mangifera indica	Mango	6
21	Moringa oleifera	Shevga	12
22	Annona reticulata	Ram fal	2
23	Mimusops elengi	Bakul	25
24	Swietenia mahagoni	Mahugoni	20
25	Petunia	Petunia	20
26	Calendula sps	Marigold	8
27	Nyctanthes arbor-tristis	Parijat	4
28	Cinnamomum tamala	Tez patta	1
29	Citrus limetta	Sweet lime	1
33	Phyllanthus emblica	Amla	1
31	Mussaenda frondosa	Musanda	1
TOTAL			217

List of Proposed Trees:

Sr. No.	Scientific Name	Common	Nos.
1	Michelia champaca	Champa	5
2	Syzygium cumini	Indian rry	6
3	Polyalthia longifolia	Mast tree	8
4	Saraca asoca	Tree	8
5	Cassia fistula	Bahava	5
6	Nyctanthes arbor-tristis	Parijatak	5
7	Butea monosperma	Palas	2
8	Azadiracta indica	Neem	2
9	Samanea saman	Rain Tree	4
10	Delonix regia	Flame tree	4
11	Prunus dulcis	Badam tree	4
TOTAL		53	

Number and list of shrubs and bushes species to be planted in the podium RG: No

Number and list of trees species to be planted around the border of nallah/stream/pond (if any): Nil

Number, size, age and species of trees to be cut, trees to be

		transplanted: Nil NOC for the Tree cutting/transplantation/compensatory plantation, if any: Not Applicable			
32	Energy	Power supply: Maximum Demand: 4306 KW Connected Load: 6758 KW Source: MSEDCL Energy saving by non conventional method: Energy saving measures Detail calculations & % of savings: 22.00 %			
		S Items	Total elect. Demand conventiona (kw)	Elect. Demand Using saving means (	Units Saved (kw) Energy
		Energy Saving Parameters			
		1 Road/ landscape- 60% lighting	6.5	2.6	3.9 60%
		2 Parking -T5	5.9	4.4	1.5 25%
		3 LED lights- Lobby & staircase	69	9.1	60.3 87%
		4 Lobby & e LED lights- 60% Solar	15.2	6.1	9.1 60%
		5 Lift - rative Types	80.0	64.0	16 20%
		6 Solar Hot water	4110	2261	1850 45%
		Conventional Loads			
		7 Plumbing system	92	92	
		8 OWC	7	7	
		9 STP	22	22	
		1 Fresh air ion Fan	3	3	
		1 Sub Station Ventilation	4	4	
		1 FF Plant Room Ventilation	4	4	
		1 Flats	4110	4110	
		1 Shops	170	170	

Total		8699	6758	1940
Overall saving for the project = 22%				
Compliance of ECBC guidelines: (Yes/no) (If yes, then submit in tabular form: Yes				
Sr. No	Section No.	Requirement	Compliance met by	
Electrical Units saving parameters (Calculation-based)				
1	6.2.1	Solar water for minimum 20% design	Total hotwater requirement met Centralised solar system	
2	7.2.1.4	Exterior lighting within specified limits	1) 60% lighting including for Road, pe & garden shall be kept on solar system. 2) Also other Lights provided on saving luminaries like LED instead of halide lamps. 3) Provided with Time switch to be rational only during night mode	
3	7.3.1	Interior lighting to be within specified limits	1) For Parking/staircases the lighting density shall be 0.2 W/sqft by using lights instead of T8. 2) For Lobby, use of LED would lower density of less than 1.3w/sqft 3) 60% of Lobby & Staircase Lights put on Solar PV Panels.	
4		Lifts with regenerative system	Using Regenerative Type Lift system would result in 20% energy saving compared to conventional lifts.	
5		Ventilation Fans	Basement Ventilation fans provided to operate fans only within permissible limits as per requirement. Operation based on CO sensors	
Infrastructure based energy conservation measures				
5	8.2.1.2	Transformer monitoring	Voltmeters/Ammeters for monitoring power performance & losses	

		6	8.2.2	Energy efficient	All motors used in pumps of services of class 1 category that would give better efficiency (60%+)& less losses 2615.
		7	8.2.3	Power Factor	Designing capacitor Banks to Power Factor from 0.95 to 1
		8	8.2.4	Energy	Energy Meters for External Lighting, r Pumps for Monitoring
		9	8.2.5.1	Cable sizing to ses	Electrical cables of derated capacity heating during working thereby saving the current losses.
		Budgetary allocation (Capital cost and O&M cost) Capital cost: Rs.85.00 Lakhs O&M cost: Rs. 8.00 Lakhs DG set: Number and capacity of the DG sets to be used: 1 X 250 KVA Type of fuel used: HSD			
33	Environmental Management Plan Budgetary allocation	Construction Phase (with Break up): Capital cost O&M cost (Please ensure manpower and other details)			
		Sr.	Method Adopted		Cost (Rs. Lakhs/ year)
		1	Water Sprinkling for Suppression		2.5
		2	Site Sanitation & safety		4.0
		3.	Disinfection		1.5
		4.	Health check up		3.0
		Total			11.00
		Operation Phase (with Break up): Capital cost O&M cost (Please ensure manpower and other details)			
		Sr. No	Method Adopted	Setting-Up Cost (Rs. lakhs)	Annual Maintenance And Operational Cost (Rs. Lakhs)
		1	Rain Water Harvesting	33.00	1.70

		<table><tr><td>2</td><td>MSW</td><td>10.00</td><td>5.00</td></tr><tr><td>3</td><td>STP</td><td>113.00</td><td>28.00</td></tr><tr><td>4</td><td>Energy Conservation</td><td>85.0</td><td>8.0</td></tr><tr><td>5</td><td>Landscaping</td><td>18.00</td><td>4.0</td></tr><tr><td colspan="2">Total</td><td>259.00</td><td>46.7</td></tr></table> Quantum and generation of Corpus Fund and Commitment Responsibility for further O & M After occupancy, Co-Op societies will be formed. The societies in a federation. The Operation and Maintenance of Environmental management (EMF) shall be taken care by the developers for first three years. Afterwards, EMF shall be handed over to society/ federation. Funds for recurring cost on EMP shall be generated from the of the society by specifically mentioning in the sale agreement	2	MSW	10.00	5.00	3	STP	113.00	28.00	4	Energy Conservation	85.0	8.0	5	Landscaping	18.00	4.0	Total		259.00	46.7
2	MSW	10.00	5.00																			
3	STP	113.00	28.00																			
4	Energy Conservation	85.0	8.0																			
5	Landscaping	18.00	4.0																			
Total		259.00	46.7																			
34	Traffic Management	Nos. of the junction to the main road & design of confluence Parking details: Number and area of basement: 1 No. (1826.22 sq.m.) Number and area of podia: 1 no. (1719.33sq.m.) Stilt parking area: 517.29 sq. m Open Parking Area: 733.40sq.m. Total Parking Area: 1250.69 sq.m. Area Per Car: Basement = 23.12 sq.m. (Stack Parking) Podium = 19.10 sq.m. (Stack Parking) 2-Wheeler: 854 Nos. 4-Wheeler: 178 Nos. Public Transport: Nil Width of all internal roads: 6.00 to 9.00 m wide internal road																				
35	CRZ/RRZ clearance obtained, if any	NA																				
36	Distance from Protected Area/Critically Polluted areas/Eco-sensitive areas /inter-State boundaries	Tungareshwar Forest Area = 8.20 km(aerial distance)																				

3. The proposal has been considered by SEIAA in its 91st & 102nd meetings & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :

General Conditions for Pre- construction phase:-

- (i) This environment clearance is issued subject to restricting total built up area of 21,292.51 Sq.m as approved by Local Planning Authority.
- (ii) This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.
- (iii) PP to ensure that the fire staircases open outside the building No. 5, wing A and D.
- (iv) PP to ensure that no fire staircase or lift goes to the basement and shall terminate on ground level only.
- (v) PP to provide minimum 3 meter height to the basement and provide adequate ventilation on ground level ensuring that no water ingress takes place in the basement through ramp in monsoon season by providing appropriate coverings.
- (vi) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
- (vii) 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.
- (viii) PP has to abide by the conditions stipulated by SEAC & SEIAA.
- (ix) 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.
- (x) "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.
- (xi) 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 firefighting equipment's 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 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.
- (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-

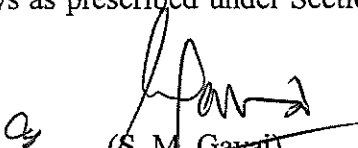
- (i) Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer 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.

- (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.

१२१

(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.


(S. M. Gavai)
Member Secretary, SEIAA

Copy to:

1. Shri. Johnny Joseph, Chairman, IAS (Retd.), SEAC-II, office of the Lokayukta and New Up- Lokayukta, New Administrative Building, 1st floor, Madam Cama Road, Mumbai.
2. Additional Secretary, MOEF, 'MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.

3. 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).
4. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
5. Managing Director, MSEDCL, MG Road, Fort, Mumbai
6. Collector, Thane.
7. Commissioner, Vasai Virar City Municipal Council (VVCMC)
8. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
9. Regional Office, MPCB, Thane
10. Select file (TC-3)

(EC uploaded on)

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India
ISO 9001: 2015 and ISO 45001: 2018 Certified Company

ENalyse*

Ambient Air Quality Monitoring Report

REPORT NO.AB/SJE/12/2023-24/01

Client Details Name & Address: M/s. Sai Jivdani Enterprises S. No. 117, H.No.1, Village Nilemore, Tal. Vasai, Dist-Thane	Sample Code	AB/SJE/12/2023-24/01
	Sample Location	Near Main Gate
	Sample Collected By	Aavanira Biotech Pvt. Ltd.
	Sample type	Ambient Air
	Method of Sampling	As per IS : 5182 Part 1 (2017)
	Date of Sampling	04/12/2023
	Time of Sampling	10:50 am.
	Sampling Duration	08 Hrs.
	Ambient Temp.(Max./Min.)	29.8°C/21.0°C
	Relative Humidity(RH)	42 %
	Analysis Date	06/12/2023 to 11/12/2023
	Reporting date	11/12/2023

TESTPARAMETERS

Sr. No.	Parameter	Result	Unit	NAAQ Standards	Standard Method
1	Particulate Matter (PM ₁₀)	68.28	µg/m ³	≤ 100	IS 5182 : Part 23 : 2006 (R: 2017)
2	Particulate Matter (PM _{2.5})	29.71	µg/m ³	≤ 60	USEPA (40 CFR Ch.-1)Appendix L to Part 50
3	Sulphur Dioxide (SO ₂)	21.0	µg/m ³	≤ 80	IS 5182 : Part 2 : 2001(R: 2017)
4	Nitrogen Dioxide(NO ₂)	22.7	µg/m ³	≤ 80	IS 5182 : Part 6 : 2006(R: 2017)

REMARKS / OBSERVATIONS:

- All above results are within National Ambient Air Quality standards.


Verified By – Quality Manager


Govt. Analyst
-----End of Report-----


Authorized By – Technical Manager /
Dy. Technical Manager



Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India
ISO 9001: 2015 and ISO 45001: 2018 Certified Company

ENalyse*

Ambient Air Quality Monitoring Report

REPORT NO.AB/SJE/12/2023-24/02

Client Details Name & Address: M/s. Sai Jivdani Enterprises S. No. 117, H.No.1, Village Nilemore, Tal. Vasai, Dist-Thane	Sample Code	AB/SJE/12/2023-24/02
	Sample Location	Near Project Construction
	Sample Collected By	Aavanira Biotech Pvt. Ltd.
	Sample type	Ambient Air
	Method of Sampling	As per IS : 5182 Part 1 (2017)
	Date of Sampling	04/12/2023
	Time of Sampling	11:30 am.
	Sampling Duration	08 Hrs.
	Ambient Temp.(Max./Min.)	29.8°C/21.0°C
	Relative Humidity(RH)	42 %
	Analysis Date	06/12/2023 to 11/12/2023
	Reporting date	11/12/2023

TESTPARAMETERS

Sr. No.	Parameter	Result	Unit	NAAQ Standards	Standard Method
1	Particulate Matter (PM ₁₀)	73.69	µg/m ³	≤ 100	IS 5182 : Part 23 : 2006 (R: 2017)
2	Particulate Matter (PM _{2.5})	29.85	µg/m ³	≤ 60	USEPA (40 CFR Ch.-1)Appendix L to Part 50
3	Sulphur Dioxide (SO ₂)	20.2	µg/m ³	≤ 80	IS 5182 : Part 2 : 2001(R: 2017)
4	Nitrogen Dioxide(NO ₂)	25.5	µg/m ³	≤ 80	IS 5182 : Part 6 : 2006(R: 2017)

REMARKS / OBSERVATIONS:

- All above results are within National Ambient Air Quality standards.


Verified By – Quality Manager


Govt. Analyst
-----End of Report-----


Authorized By – Technical Manager /
Dy. Technical Manager



Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India
ISO 9001: 2015 and ISO 45001: 2018 Certified Company

ENalyse*

Ambient Noise Monitoring Report			REPORT No. AB/SJE/12/2023-24/03
Client Details Name & Address: M/s. Sai Jivdani Enterprises S. No. 117, H.No.1, Village Nilemore, Tal. Vasai, Dist-Thane	Sample Code	AB/SJE/12/2023-24/03	
	Sample Collected By	Aavanira Biotech Pvt. Ltd.	
	Sample type	Ambient Noise	
	Method of Sampling	As per IS : 4758	
	Date of Sampling	04/12/2023	
	Reporting date	11/12/2023	

Sr. No.	Test Location	Reading	Reading	Unit
		Day Time	Night Time	
01	Near Main Gate	54.6	44.4	dB(A)
02	Near Proposed Construction	54.8	43.9	dB(A)

REMARK / OBSERVATIONS:

Limits: Maharashtra Pollution Control Board has prescribed following limit for noise Level during day& night time. Above results are within the prescribed limits by MPCB.

Area	Category of Area	Limits 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 06:00 am to 10:00 pm
- Note: 2 Night Time shall mean from 10:00 pm to 06:00 am


Verified By – Quality Manager


Govt. Analyst
-----End of Report-----


Authorized By – Technical Manager /
Dy. Technical Manager



Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India
ISO 9001: 2015 and ISO 45001: 2018 Certified Company

ENalyse*

Test Report			REPORT NO-AB/SJE/12/2023-24/04
Client Details Name & Address: M/s. Sai Jivdani Enterprises S. No. 117, H.No.1, Village Nilemore, Tal. Vasai, Dist-Thane	Sample Code	AB/SJE/12/2023-24/04	
	Sample Name	Drinking Water	
	Sample Collected By	Aavanira Biotech Pvt. Ltd.	
	Method for Sampling	IS : 3025 Part 1 (R.A.:2019)	
	Sample Type	Drinking Water	
	Sample Collected On	04/12/2023	
	Sample Received on	06/12/2023	
	Analysis Date	06/12/2023 to 11/12/2023	
	Reporting Date	11/12/2023	
Sample returned /stored		Stored at 4°C for 1 week from the date of reporting	

Sr. No.	Parameter	Results	Limits as per IS:10500	Units	Standard Method
1.	Turbidity	0.58	<1.0	mg/lit	IS: 3025 Part-10 (R.A : 2017)
2.	TDS(Total Dissolved Solids)	55.0	<500	NTU	IS: 3025 Part-16 (R.A : 2017)
3.	Colour	1.0	<5	Hazen Units	IS: 3025 Part-04 (R.A : 2017)
4.	pH (at 25°C)	7.45	6.5-8.5	--	IS: 3025 Part-11 (R.A : 2017)
5.	Total Hardness (as CaCO ₃)	18.77	<200	mg/lit	IS: 3025 Part-21 (2019)
6.	Total Alkalinity(as CaCO ₃)	17.90	<200	mg/lit	IS: 3025 Part-23 (R.A : 2019)
7.	Chloride (as Cl ⁻)	15.0	<250	mg/lit	IS: 3025 Part-32 (R.A : 2019)
8.	Sulphate (asSO ₄ ⁻²)	1.29	<200	mg/lit	APHA :23 rd edition -(4500- SO ₄ ²⁻ E)
9.	Residual Chlorine	BDL	0.2	mg/lit	APHA :23 rd edition -(4500-Cl B)
10.	Iron (as Fe)	0.08	<0.30	mg/lit	IS:3025 Part-02 (2019)
11.	Calcium (as Ca)	7.92	<75.0	mg/lit	IS:3025 Part-02 (2019)
12.	Magnesium (as Mg)	2.12	<30.0	mg/lit	IS:3025 Part-02 (2019)
13.	Total Coliform	Absent	Absent	MPN/100ml	IS: 1622 (R.A : 2019)
14.	<i>Escherichia coli</i>	Absent	Absent	MPN/100ml	IS: 1622 (R.A : 2019)

BDL- Below Detection Limit

REMARKS / OBSERVATIONS: All above parameters are within limit as per IS: 10500 (2012) standard.


Verified By – Quality Manager


Govt. Analyst
-----End of Report-----


Authorized By – Technical Manager /
Dy. Technical Manager



Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India
ISO 9001: 2015 and ISO 45001: 2018 Certified Company

ENalyse*

Test Report			REPORT NO-AB/SJE/12/2023-24/05
Client Details Name & Address: M/s. Sai Jivdani Enterprises S. No. 117, H.No.1, Village Nilemore, Tal. Vasai, Dist-Thane	Sample Code	AB/SJE/12/2023-24/05	
	Sample Name	Soil Sample	
	Sample Collected By	Aavanira Biotech Pvt. Ltd.	
	Method for Sampling	CPCB Guidelines	
	Sample Type	Soil Sample	
	Sample Collected On	04/12/2023	
	Sample Received on	06/12/2023	
	Analysis Date	06/12/2023 to 11/12/2023	
	Reporting Date	11/12/2023	
Sample returned /stored		Stored at 4°C for 1 week from the date of reporting	

Sr. No.	Parameter	Result		Unit	Standard Method
1.	pH (at 25°C)	7.48		--	C.A. Black, American Society of Agronomy 5 th Edition, 65-15800
2.	Total Organic Carbon	1.41		%	C.A. Black, American Society of Agronomy 5 th Edition, 65-15800
3.	E. Conductivity at 25°C	11.26		μS/cm	C.A. Black, American Society of Agronomy 5 th Edition, 65-15800
4.	Sulphate	28.5		mg/kg	C.A. Black, American Society of Agronomy 5 th Edition, 65-15800
5.	Cation Exchange Capacity	27.6		meq/100g	ICP Method
6.	Total Kjeldhal Nitrogen	9.4		%	IS 14684 1999, RA 2008
7.	Bulk Density	265.82		gm/cc	C.A. Black, American Society of Agronomy 5 th Edition, 65-15800
8.	Particle Size	Sand	18	%	C.A. Black, American Society of Agronomy 5 th Edition, 65-15800
		Silt	42		
		Clay	40		
9.	Potassium as K	41.22		Kg/ha	USEPA 3050 B
10.	Phosphorous as P	71.76		Kg/ha	USEPA 3050 B
11.	Calcium as Ca	12.1		Kg/ha	USEPA 3050 B
12.	Magnesium as Mg	27.0		Kg/ha	USEPA 3050 B
13.	Boron as B	N.D.		Kg/ha	USEPA 3050 B
14.	Iron as Fe	121.2		Kg/ha	USEPA 3050 B

N.D. - Not Detectable


Verified By – Quality Manager


Govt. Analyst
-----End of Report-----


Authorized By – Technical Manager /
Dy. Technical Manager

