

Date: 10/01/2024

To,
Ministry of Environmental Forest & Climate Change,
Integrated Regional office (WCZ),
Ground Floor E wing,
New Secretariat Building, Civil Line,
Nagpur 440001.

Sub: Submission of Compliance Report for Proposed Residential project at Gahunje, Tal. - Maval, Dist.-Pune, Maharashtra by Sahajanand Hi-Tech Construction Pvt. Ltd.

Ref: 1. EC letter no. SEAC-2010/CR.486/TC-2 Dated. 07.04.2011
2. Amendment in EC letter no. F.No.21-160/2017-IA-III Dated. 10.08.2017
3. Letter w.r.t change in Name dated 09.10.2014

Dear Sir,

This is with reference to Environmental Clearance letter no. SEAC-2010/CR.486/TC-2 dated 07.04.2011 from Env. Department of Govt. of Maharashtra and Amendment in EC letter no.F.No. 21-160/2017-IA-III dated. 10.08.2017 from MoEF.

We are enclosing herewith the detailed Compliance report (of April 2023 - September 2023) along with duly filled data sheet.

Thanking you,
Yours faithfully,

For Macrotech Developers Ltd
(Formerly known as Sahajanand Hi-Tech Construction Pvt. Ltd)



Authorized signatory

Enclosed: Copy of Compliance Report for the period of April 2023 - September 2023.

Cc:

1. Regional Office, MPCB, Pune
2. Environment Department, Mantralaya, Mumbai



Sahajanand Hi-Tech Construction Pvt. Ltd. <lodha.pune@gmail.com>

**Six Monthly Compliance Monitoring Report_April 2023 to September 2023_Macrotech Developers Ltd
(Formerly known as Sahajanand Hi-Tech Construction Pvt. Ltd)**

1 message

Sahajanand Hi-Tech Construction Pvt. Ltd. <lodha.pune@gmail.com>

Sat, Jan 20, 2024 at 12:40 PM

To: eccompliance-mh@gov.in

Bcc: pristineconsultants@gmail.com

Dear Sir,

This is with reference to Environmental Clearance **letter no. SEAC-2010/CR.486/TC-2 dated 07.04.2011** from Env. Department of Govt. of Maharashtra and **Amendment in EC letter no.F.No. 21-160/2017-IA-III dated. 10.08.2017** from MoEF.

We are enclosing herewith the detailed **Six Monthly Compliance Monitoring Report** for the period of **April 2023 to September 2023** along with duly filled data sheet for Proposed Residential project at Gahunje, Tal. - Maval, Dist.-Pune, Maharashtra.

Thanks & Regards

For Macrotech Developers Ltd**(Formerly known as Sahajanand Hi-Tech Construction Pvt. Ltd)**Virus-free. www.avg.com**Six Monthly Compliance Monitoring Report_April 2023 - Sept. 2023_Sahajanand Hi-Tech Construction.pdf**

15029K

Date: 10/01/2024

To,
Regional Officer,
Maharashtra Pollution Control Board,
Jog Center, 3rd floor, Mumbai Pune Road,
Wakdewadi,
Pune - 411003.

Sub: Submission of Compliance Report for Proposed Residential project at Gahunje, Tal. - Maval, Dist.-Pune, Maharashtra by Sahajanand Hi-Tech Construction Pvt. Ltd.

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- 1) Environment Department, Mantralaya, Mumbai
- 2) Director, MoEF, Nagpur



Sahajanand Hi-Tech Construction Pvt. Ltd. <lodha.pune@gmail.com>

**Six Monthly Compliance Monitoring Report_April 2023 to September 2023_Macrotech Developers Ltd
(Formerly known as Sahajanand Hi-Tech Construction Pvt. Ltd)**

1 message

Sahajanand Hi-Tech Construction Pvt. Ltd. <lodha.pune@gmail.com>

Sat, Jan 20, 2024 at 12:44 PM

To: ropune@mpcb.gov.in
Cc: sropune1@mpcb.gov.in

Dear Sir,

This is with reference to Environmental Clearance **letter no. SEAC-2010/CR.486/TC-2 dated 07.04.2011** from Env. Department of Govt. of Maharashtra and **Amendment in EC letter no.F.No. 21-160/2017-IA-III dated. 10.08.2017** from MoEF.

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Thanks & Regards

For Macrotech Developers Ltd
(Formerly known as Sahajanand Hi-Tech Construction Pvt. Ltd)Virus-free. www.avg.com**Six Monthly Compliance Monitoring Report_April 2023 - Sept. 2023_Sahajanand Hi-Tech Construction.pdf**
15027K

Date: 10/01/2024

To,
Principal Secretary, SEIAA,
Environment Department,
Mantralaya,
Mumbai – 400032

Sub: Submission of Compliance Report for Proposed Residential project at Gahunje, Tal. - Maval, Dist.-Pune, Maharashtra by Sahajanand Hi-Tech Construction Pvt. Ltd.

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1. Regional Office, MPCB, Pune
2. Director, MoEF, Nagpur



Sahajanand Hi-Tech Construction Pvt. Ltd. <lodha.pune@gmail.com>

**Six Monthly Compliance Monitoring Report_April 2023 to September 2023_Macrotech Developers Ltd
(Formerly known as Sahajanand Hi-Tech Construction Pvt. Ltd)**

1 message

Sahajanand Hi-Tech Construction Pvt. Ltd. <lodha.pune@gmail.com>

Sat, Jan 20, 2024 at 12:46 PM

To: psec.env@maharashtra.gov.in
Cc: psec.env-1@maharashtra.gov.in

Dear Sir,

This is with reference to Environmental Clearance **letter no. SEAC-2010/CR.486/TC-2 dated 07.04.2011** from Env. Department of Govt. of Maharashtra and **Amendment in EC letter no.F.No. 21-160/2017-IA-III dated. 10.08.2017** from MoEF.

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For Macrotech Developers Ltd
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COMPLIANCE REPORT

(APRIL, 2023 – SEPTEMBER, 2023)

For

PROPOSED RESIDENTIAL DEVELOPMENT

(Environmental Clearance vide letter No. SEAC-2010/CR.486/TC.2 dt. 07.04.2011)
(Amendment and expansion in EC vide letter no. F.No.21-160/2017-IA-III dt 10/08/2017)

AT
VILLAGE GAHUNJE
TAL – MAVAL, DIST – PUNE, MAHARASHTRA

Proposed By

**SAHAJANAND HI-TECH
CONSTRUCTION PVT.LTD**

PROJECT DETAILS

Sr. No.	Particulars	Details
1	Project type : River-valley/mining/Industry/Thermal/Nuclear/other(specify)	Construction Project
2	Name of the Project	Residential Development
3	Clearance letter(s)/OM and Date	<p>Environmental Clearance vide letter No. SEAC-2010/CR.486/TC.2 dt. 07.04.2011. The EC was obtained in the name of Parasnath Hi-tech construction Pvt. Ltd.</p> <p>Letter for Name Change to Sahajanand Hi-Tech Construction Pvt. Ltd. from SEIAA vide letter no. SEIAA-2014/CR107/TC.3 dated 9th October 2014.</p> <p>Environmental Clearance vide letter no. F.No.21-160/2017-IA-III dated 10/08/2017.</p> <p>The Environmental Clearance was obtained for proposed expansion of residential township development.</p>
4	Location	G. No. 205(P), 221(P), 225(P), 226(P), 227(P), 228 to 247, 248(P), 249(P), 251, 252, 253 to 256, 258(P), 264(P), 265, 267(P), 268(P), 269(P), 270, 358(P), 359(P), 360 at Village: Gahunje, Taluka : Maval, Dist. Pune, Maharashtra.
	a) District(s)	Pune
	b) State(s)	Maharashtra
	c) Latitude/Longitude	N 18° 39'48.68" E 73° 42'29.61"
5	Address of correspondence	
	a) address of concerned Project Chief Executive (with pin code & telephone/telex/fax numbers)	<p>Mr. Kedar Bakalkar Sahajanand Hi-Tech Constructions Pvt. Ltd. 216, Shah &Nahar Estate, Dr. E. Moses Road, Worli, Mumbai- 400018 Tel: 022- 23024400 Email: kedar.bakalkar@lodhagroup.com</p>

COMPLIANCE REPORT FOR RESIDENTIAL PROJECT AT PUNE

	b) Address of Executive Project Engineer/Manager(with pin code/fax numbers)	Mr. Kedar Bakalkar Sahajanand Hi-Tech Constructions Pvt. Ltd. 216, Shah &Nahar Estate, Dr. E. Moses Road, Worli, Mumbai- 400018 Tel: 022- 23024400 Email: kedar.bakalkar@lodhagroup.com	
6	Salient features		
	a) of the Project	32 Residential building having 3157 nos. flats, 28 nos. of villas, 86 no. of Town house, 1 retail (8 nos shops),1 meditation centre,2 club house, 1 Fire station with staff quarters.	
	b) of the Environmental Management Plan	Sewage treatment plant: 2,200m ³ ,solar hot water system for each building, rain water harvesting and solid waste management through OWC.	
7	Break- up of the project area		
	a) submergence area : forest & non-forest	NA	
	b) Other	Total Plot area (m ²): 4,79,992.34	
		FSI Area (m ²)	3,64,947.69
		Non FSI Area (m ²)	2,16,035.53
		Total Construction Area (m ²)	5,80,983.22
8	Break up of the project affected population with enumeration of those losing houses/dwelling unit only agricultural land only, both dwelling units & agricultural land & landless laborers/		
	a) SC, ST / Adivasis	N.A.	
	b) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey carried out gives details and years of survey)	N.A.	
9	Financial details:		
	a) Project cost as originally planned and subsequent revised estimates and theyear of price reference	Rs.710 Crore	

COMPLIANCE REPORT FOR RESIDENTIAL PROJECT AT PUNE

	b) Allocation made for environmental management plans with item wise and year wise break-up	Construction Cost	5185Lakhs
		Operation & Maintenance Cost	496 Lakhs/Y
	c) Benefit cost ratio/Internal rated of Return and the year of assessment	N.A.	
	d) Whether (c) includes the cost of environmental management as shown in the above	N.A.	
	e) Actual expenditure incurred on the environmental management plans so far	N.A.	
10	Forest land requirement	No Forest Land Required.	
	a) The status of approval for diversion of forest land for non-forestry use	N.A.	
	b) The status of clearing felling	N.A.	
	c) The status of compensatory	N.A.	
	d) afforestation, if any	N.A.	
	e) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far	N.A.	
11	The status of clear felling in non-forest area (such as submergence area of reservoir, approach roads), if any with quantitative information	N.A.	
12	Status of construction		
	a) Date commencement (Actual and/or planned)	-	
	b) Date of completion (Actual and/or planned)	-	
13	Reasons for the delay if the project is yet to start	NA	
14	Dates of site visits		
	a) The dates on which the project was monitored by the Regional office on previous occasions, if any	Site visit done by official of MoEF & CC Regional Office, Nagpur on 20.06.2017. Officer from MoEF & CC visited on 24.02.2021.	
	b) Date of site visit for this monitoring report		

<p>15</p>	<p>Details of correspondence with project authorities for obtaining action plans/information on status of compliance to safeguards other than the routine letters for logistic support for site visits) (The first monitoring report may contain the details of all the letters issued so far, but the later reports may cover only the letters issued subsequently)</p>	<p>Environmental Clearance vide letter No. SEAC-2010/CR.486/TC.2 dt. 07.04.2011. The EC was obtained in the name of Parasnath Hi-tech construction Pvt. Ltd.</p> <p>Letter for Name Change to Sahajanand Hi-Tech Construction Pvt. Ltd. from SEIAA vide letter no. SEIAA-2014/CR107/TC.3 dated 9thOctober 2014.</p> <p>Environmental Clearance vide letter no. F.No.21-160/2017-IA-III dt.10th August 2017.</p> <p>The Environmental Clearance was obtained for proposed expansion of residential township development.</p>
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**PRESENT STATUS OF PROPOSED RESIDENTIAL DEVELOPMENT AT
VILLAGE GAHUNJE TAL – MAVAL, DIST – PUNE, MAHARASHTRA****PROJECT STATUS**

Sr.no	BUILDINGS.	Stage Of Construction
1	Bldg No. 1	Bldg Completed.
2	Bldg No. 2	Bldg Completed.
3	Bldg No. 3	Bldg Completed.
4	Bldg No. 4	Bldg Completed.
5	Bldg No. 5	Bldg Completed.
6	Bldg No. 6	Bldg Completed.
7	Bldg No. 7	Bldg Completed.
8	Bldg No. 8	Bldg Completed.
9	Bldg No. 9	Bldg Completed.
10	Bldg No. 10	Bldg Completed.
11	Bldg No. 11	Bldg Completed.
12	Bldg No. 12	Bldg Completed.
13	Bldg No. 13	Bldg Completed.
14	Bldg No. 14	Bldg Completed.
15	Bldg No. 15	Bldg Completed.
16	Bldg No. 16	Bldg Completed.
17	Bldg No. 17	Bldg Completed.
18	Bldg No. 18	Bldg Completed.
19	Bldg No. 19	Bldg Completed.
20	Bldg No. 20	Bldg Completed.
21	Bldg No. 21	Above Terrace WIP, Finishing WIP
22	Bldg No. 22	Bldg Completed.

COMPLIANCE REPORT FOR RESIDENTIAL PROJECT AT PUNE

23	Bldg No. 23	Bldg Completed.
24	Bldg No. 24	Bldg Completed.
25	Bldg No. 25	Bldg Completed.
26	Bldg No. 26	Bldg Completed.
27	Bldg No. 27	Bldg Completed.
28	Bldg No. 28	Bldg Completed.
29	Bldg 29	Bldg Completed.
30	Bldg No. 31	RCC Completed, Finishing WIP
30	Villa 1 To 28	Completed.
31	Convenience Shops	Completed.
32	Club House	Completed.
33	Fire Station With Staff Quarters.	Completed.
34	Block 34 (Villa (Town House) 59 to 65)	Completed
35	Block 36 (Villa (Town House) 45 to 51)	Excavation Completed.
36	Block 41 (Villa (Town House) 38 to 44)	Completed.
37	Block 43 (Villa (Town House) 17 to 24)	Completed.
38	Block 44 (Villa (Town House) 9 to 16)	Completed.
39	Block 45 (Villa (Town House) 1 to 8)	Completed.
40	Block 42 (Villa (Town House) 30 to 37)	2 units (36 and 37) completed out of 8 units.

Compliance to Environmental Clearance vide letter no. F.No.21-160/2017-IA-III dt.10/08/2017.

SPECIFIC CONDITIONS		
1. CONSTRUCTION PHASE		
	Conditions	Compliance
(i)	The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.	Agreed. The building plans for the project have been approved by PMRDA as per norms.
(ii)	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	The natural drainage system will be maintained. Natural topography will be followed and minimum cutting and filling will be done.

COMPLIANCE REPORT FOR RESIDENTIAL PROJECT AT PUNE

(iii)	<p>Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution. Wet jet shall be provided for grinding and stone cutting. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.</p>	<p>Construction Chutes will be used to reduce on-site dust generation.</p> <p>Net Fabric will be Wrapped around the building to reduce air borne dust generation.</p> <p>Provision of Plastic/tarpaulin sheet covers for vehicles transporting sand, cement, murrum and other construction materials prone to causing dust pollution at site.</p> <p>Unpaved surfaces, loose soil and road will be adequately sprinkled with water to suppress the dust</p> <p>10 ft high Site Barricading, so as to reduce Air & Noise Pollution.</p> <p>Sand, murrum, loose soil, cement, stored on site will be covered adequately so as to prevent dust pollution.</p>
(iv)	<p>All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.</p>	<p>All the construction debris has been stored at the site and has been disposed as per Construction and Demolition Waste Rules, 2016.</p> <p>All workers working at the construction site and involved in loading and unloading, carrying of construction material and construction debris or working in any area with dust pollution will be provided with dust mask and other Personal Protective Equipment's.</p>
(v)	<p>At least 20% of the open spaces as required by the local building by-laws shall be pervious. Use of grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.</p>	<p>Agreed</p>

COMPLIANCE REPORT FOR RESIDENTIAL PROJECT AT PUNE

(vi)	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.	The project will comply with the ECBC guidelines.
(vii)	Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc.) for water conservation shall be incorporated in the building plan.	Only low flow and low flush – water saving plumbing fixtures, automatic level controllers at water tanks will be used to reduce/optimize the demand side of water resource.
(viii)	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.	We have provided the dual pipe plumbing for supplying fresh water for drinking, cooking and bathing purpose whereas other for recycled water which is used for the landscaping and irrigation purpose.
(ix)	Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.	We have provided STP to treat both grey and black water hence it is not separated and both the streams are being treated in STP.
(x)	Sewage shall be treated in the STP based on Moving Bed Biofilm Reactor (MBBR) Technology with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, horticulture & D.G cooling. Excess treated shall be discharged as per CPCB norms.	We have installed 2 STPs for completed buildings. Details of STP on site STP-1 - 720 KLD STP-2 - 810 KLD We will expand the STP capacity to cater the load of population after completing the buildings which are now under construction

COMPLIANCE REPORT FOR RESIDENTIAL PROJECT AT PUNE

(xi)	<p>The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. As proposed, 10 rain water recharge pits after filtration as per CGWB guidelines.</p>	<p>Rain water harvesting is proposed for the project.</p> <p>09 Nos of recharging pits are developed on site,</p>
(xii)	<p>Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in Organic Waste Converter. As proposed 400 m² space shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from group housing project will be sent to dumping site.</p>	<p>Separate colored bins has been provided for dry and wet waste.</p> <p>About 8,180kg/d solid waste will be generated in the project. The biodegradable waste (4,908kg/d) will be processed in mechanical compost (Eco-bio-compack) and the non-biodegradable waste generated (3,272 kg/d) will be handed over to authorized local vendor.</p>
(xiii)	<p>Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.</p>	<p>As this is on-going project which have got part occupation. We have provided 16 nos of solar street light poles along with roads and installation of another solar lighting to landscape area and part of street lights are in progress.</p>
(xiv)	<p>A First Aid Room shall be provided in the project both during construction and operations of the project.</p>	<p>A provision of First aid room is made for construction as well as operation phase.</p>
(xv)	<p>Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stock piled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.</p>	<p>The top soil has been stockpiled on site at a designated storage area and has been used during green belt development.</p>

COMPLIANCE REPORT FOR RESIDENTIAL PROJECT AT PUNE

(xvi)	Disposal of muck during construction phase shall 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.	The muck will be disposed with the permissions of competent authority at approved site. 10 feet barricading is done considering general safety and health aspect of people. Re-utilization strategy for construction debris will be followed. Aggregates will be recycled for filling application.
(xvii)	The diesel generator sets to be used during construction phase shall be low Sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.	DG set of 5 x 100 kVA, 4x 160 kVA, 1 x 125 kVA, 2x 62.5 kVA, 2 X 250 kVA (conventional) and 43 kVA (solar energy i.e. Solar PV panels) capacities are proposed on site. The D.G. set are enclosed type and as per CPCB norms.
(xviii)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Pre-mixed concrete and curing agents will be used for reducing Water demand during construction.
(xix)	As proposed, no ground water shall be used during construction/ operation phase of the project	Agreed we are not using the ground water in project. The water will be sourced from Pawana River during both the phases.
(xx)	Approval of the CGWA require before any dewatering for basements.	Agreed.
(xxi)	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightning etc.	The building plan is approved by PMRDA as per the norms.
(xxii)	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	No hazardous waste will be generated during construction and operation phase. As it is Residential project. However, the disposal of the same shall be done as per CPCB /MPCB norms applicable to hazardous waste, if any.

COMPLIANCE REPORT FOR RESIDENTIAL PROJECT AT PUNE

(xxiii)	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 be operated only during non- peak hours.	Regular maintenance of construction vehicles will be carried out to keep them in good condition. The vehicles having PUC certificate will only be hired. Adequate parking space will be made for construction vehicles inside the construction premises to lessen the impacts on traffic in surrounding areas
(xxiv)	An assessment of the cumulative impact of all activities being carried out or proposed to be carried out by the project, shall be made for traffic densities and parking capabilities in a 05 kms radius from the site. A detailed traffic management and a traffic decongestion plan drawn up through an organization of repute and specializing in Transport Planning shall be implemented to the satisfaction of the State Urban Development and Transport Departments shall also include the consent of all the concerned implementing agencies.	A traffic management plan will be drawn up.
(xxv)	Ambient noise levels shall conform to residential standards both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.	The noise quality as well as air quality is monitored from MoEF recognized laboratory. The copy of the report is attached.

(xxvi)	<p>Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.</p>	<p>Environmental friendly construction materials including AAC bricks, fly ash bricks are used.</p>
(xxvii)	<p>A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria:</p> <ul style="list-style-type: none"> • Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. • Traffic calming measures • Proper design of entry and exit points. • Parking norms as per local regulation 	<p>The traffic survey was conducted to ascertain the present traffic scenario along Mumbai Pune Express Highway service road and the Dehu Road Bypass to evaluate traffic impact that will result from proposed development.</p> <p>Trained watchmen are deployed at entry and exit points to manage the incoming and outgoing traffic. Pedestrian facilities like pedestrian strip and pedestrian crossing has been provided.</p> <p>Adequate traffic signs has been provided to notify the residents</p>
2. OPERATION PHASE		
(i)	<p>The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.</p>	<p>The D.G Sets and the stack height have been according to the CPCB norms.</p>

COMPLIANCE REPORT FOR RESIDENTIAL PROJECT AT PUNE

(ii)	For indoor air quality the ventilation provisions as per National Building Code of India.	For indoor air quality the ventilation provisions has been as per National Building Code of India.
(iii)	Fresh water requirement from Pawana River after treatment (WTP of 2560 m ³ /day) shall not exceed 1489 m ³ /day.	We agree
(iv)	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF& CC along with six monthly Monitoring reports.	Agreed The water balance is attached as annexure with the report.
(v)	The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.	We have provided the two STP for the completed buildings Capacity of the STPs are 720 KLD and 810 KLD.
(vi)	No sewage or untreated effluent water would be discharged through storm water drains.	Measures have been taken so that no sewage and storm water gets mixed up.
(vii)	Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.	The sludge from generated during construction phase and operation phase will be disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

COMPLIANCE REPORT FOR RESIDENTIAL PROJECT AT PUNE

(viii)	<p>The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, the Construction and Demolition Waste Management Rules, 2016 and the Plastics Waste Management Rules, 2016 shall be followed.</p>	<p>Segregation of dry and wet garbage has been done at source.</p> <p>Dry garbage has been segregated and disposed off to recyclers.</p> <p>Wet garbage/biodegradable matter as leftover food, vegetables has been composted by Mechanical Composting (Eco-Biocompack)</p> <p>One OWC installed at site & capacity is 500kgs. Work is in progress for another 750Kgs</p>
(ix)	<p>Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heaters shall be used to meet hot water demand, as far as possible.</p>	<p>Solar Hot Water for Residential buildings has been provided.</p> <p>Provision of Solar Street Lights has been made.</p>
(x)	<p>Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs, TFL and LED shall be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.</p>	<p>The use of highly energy efficient pumps for firefighting, UG tanks and Sewage Treatment Plant will be used.</p> <p>LED lights are proposed for common areas such as open spaces, pathways RG etc.</p>
(xi)	<p>A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of 3 trees for every 1 tree that is cut) shall be done and maintained. As proposed green belt area of 15,200 sqm shall be provided.</p>	<p>Partly landscape is developed on the project site.</p> <p>No of trees planted- 8276 no's</p>

COMPLIANCE REPORT FOR RESIDENTIAL PROJECT AT PUNE

(xii)	An environmental management plan (EMP) shall be prepared and implemented to ensure compliance with the environmental conditions specified above. A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like Sewage Treatment Plant, Landscaping, Rain Water Harvesting, Energy efficiency and conservation, water efficiency and conservation, solid waste management, renewable energy etc. are kept operational and meet the required standards. The environmental cell shall also keep the record of environment monitoring and those related to the environment infrastructure.	A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The Environmental Management Plan is attached as annexure.
(xiii)	The company shall draw up and implement a corporate social Responsibility plan as per the Company's Act of 2013.	Agreed
GENERAL CONDITIONS		
(i)	A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.	Agreed
(ii)	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.	Agreed

COMPLIANCE REPORT FOR RESIDENTIAL PROJECT AT PUNE

(iii)	<p>Officials from the Regional Office of MoEF& CC, Nagpur who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF& CC shall be forwarded to the APCCF, Regional Office of MoEF& CC, Nagpur.</p>	<p>Agreed</p>
(iv)	<p>In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry..</p>	<p>Agreed</p>
(v)	<p>The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.</p>	<p>Noted</p>
(vi)	<p>All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.</p>	<p>Agreed</p>
(vii)	<p>These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.</p>	<p>Agreed</p>

COMPLIANCE REPORT FOR RESIDENTIAL PROJECT AT PUNE

(viii)	The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at http://www.envfor.nic.in . The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at Nagpur.	Attached
(ix)	Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted
(x)	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, ZillaParisad/Municipal Corporation, Urban Local Body 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.	The clearance letter will be put on the website of the company by the proponent.

COMPLIANCE REPORT FOR RESIDENTIAL PROJECT AT PUNE

(xi)	<p>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& CC, 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 sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</p>	<p>Agreed</p> <p>The proponent will upload the status of compliance.</p> <p>The compliance reports are periodically sent to the Regional Office of MoEF & CC, the respective Zonal Office of CPCB and the SPCB.</p>
(xii)	<p>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& CC by email.</p>	<p>Agreed</p>
4.	<p>This issue with the approval of the Competent Authority.</p>	<p>Agreed</p>

ANNEXURE-I
SOLID WASTE MANAGEMENT PLAN

- Solid Waste generation from the complex is estimated to be **8,180 kg/day**
- The biodegradable component: **4,908 kg/day**
- Inert, Recyclable waste: **3,272 kg/day**
- Segregation of dry and wet garbage will be done at source
- Dry garbage as will be segregated and disposed off to recyclers
- Wet garbage/biodegradable matter as leftover food, vegetables will be composted by **Mechanical Composting (Eco-Biocompack)**

ANNEXURE-II
SEWAGE TREATMENT PLANT

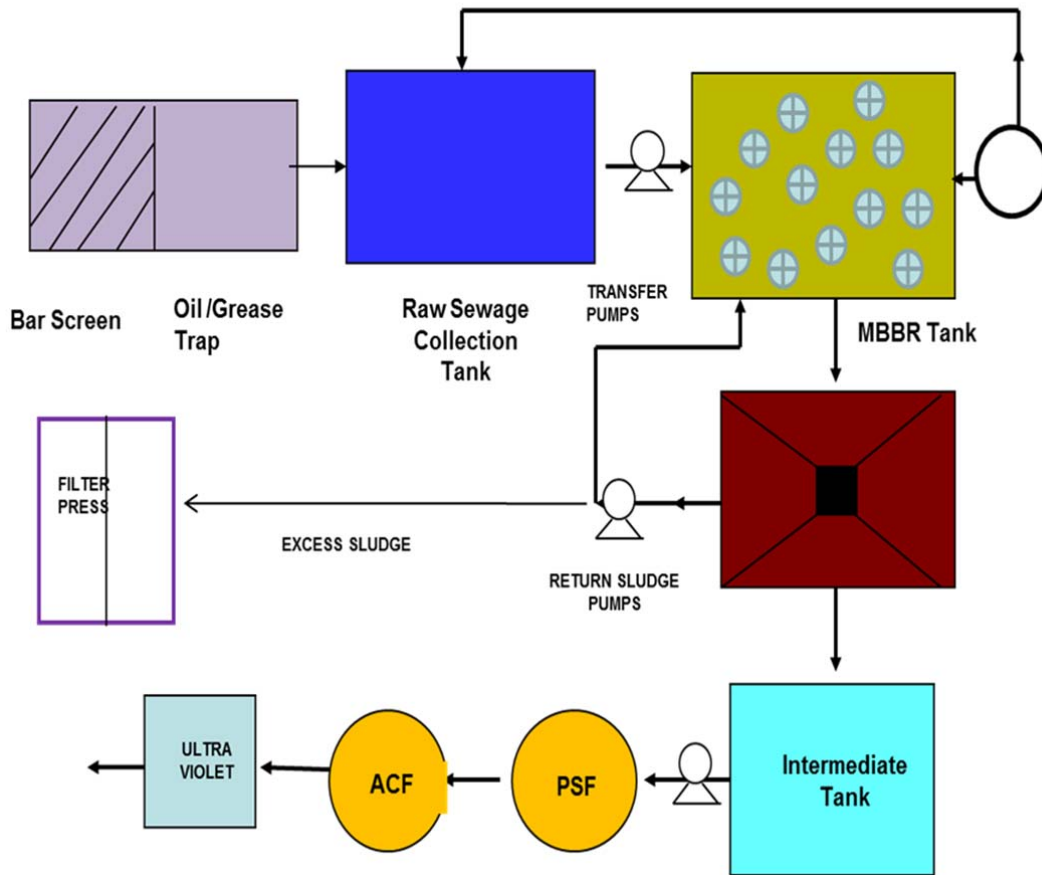
Name of the Unit	Purpose
Bar Screen Chamber	For removing unwanted floating materials
Equalization Tank	To even out the flow variations, and continuous uniform mixing operations with coarse bubble.
Aeration Tank	Activated Sludge Process For developing the bacterial culture, which stabilizes the waste aerators.
Secondary clarifier/Plate settler	To separate out the solids from the treated sewage, And to separate clear supernatant water, Clarifloculator has been proposed with flash mixer to add coagulant to allow more settlement of fine particles.
Pre- Filtration Tank	To collect the supernatant clear water from the settling tank for further treatment.
Filter Press	A Sludge holding tank has been provided with filter press for dewatering sludge. Sludge cakes shall be used as manure.
Pressure Sand Filter	To filter out minute suspended solids if any in the treated water.
Activated Carbon Filter	To remove color and Odor if any in the filtered water.
Final holding tank	To collect the final treated water from the outlet of Activated carbon filter for reuse

Sewage Generation: 2061 KLD

STP Capacity: 2200 KLD

STP Technology: Moving Bed Biofilm Reactor (MBBR)

STP Flow Sheet



ANNEXURE-III WATER BUDGET

Water Budget

Particulars	Quantity in KLD
Total Water Requirement	2225
Fresh Water Requirement	1489
Gardening	995
Losses (total) & Sludge	185
Sewage Generation	2061
Treated Water	2040
Water Recycled	1731
Excess to Pond	309
% Recycled	84.85

Water Balance chart

Particulars	No of Flats /rooms /Cars	Occupancy	Total Population	Water Requirement Basis (in lpcd) *		Total Water Requirement/ person	Water Demand KLD	
				Domestic	Flushing			
Sale Flats	3,157	5	15,785	90	45	135	2,131	
Villa & Town house	114	5	570	90	45	135	77	
Retail area (ft ²)	876		13	15	30	45	1	
Swimming pool make up	Volume 675 m ³						17	
Total			16,368				2,225	
Sewage Generation	90 % of Fresh and 100% of Flushing Water Requirement							2,061
Sludge	1 % of Sewage Generation							21
Recycling for Flushing								
Sale Flats	3,157	5	15,785		45	45	710	
Villa & Town house	114	5	570		45	45	26	
Retail area (ft ²)	876	1 person for 70 Sqft	13		30	30	0.4	
Total			16,368				736	
Landscape		1,99,063 m ²				5 l /m ²	995	
Excess Treated Water to Pond							309	

ANNEXURE IV
ENVIRONMENTAL MANAGEMENT PLAN
DURING CONSTRUCTION PHASE

COMPLIANCE REPORT FOR RESIDENTIAL PROJECT AT PUNE

Sr. No.	Environmental Components	Predicted Impacts	Probable source of Impact	Mitigation Measures	Remarks
CONSTRUCTION PHASE					
1.	Ambient Air Quality	Negative impact inside construction site premises. No negative impact outside site.	Dust emissions from excavation, air emissions from machinery and other construction activities at site.	Dust reduction measures such as road watering. Periodic maintenance of construction equipment. Use of good quality fuels. Use of Personal Protective Equipment's	Impacts are temporary during construction phase. Impacts will be confined to short distances, as coarse particles will settle within the short distance from activities.
2.	Noise	Negative impact near noise generation sources inside premises. No significant impact on ambient noise levels in the surrounding area.	Noise generated from construction activities and operation of construction equipment and DG sets	Use of well maintained equipment. Heavy construction activity limited to day-time hours only. Use of noise mufflers in and construction vehicle. Use of earplugs/muffs by construction staff.	Temporary impacts during construction phase. No blasting or other high noise activities envisaged.
3.	Water	No significant negative impact.	Surface runoff from project site. Oil/fuel and waste spills. Improper debris disposal. Discharge of sewage from labour camp.	Silt fences to reduce run-off Secondary containment and dykes in material storage areas. Sewage treatment in septic tanks.	Labour will be employed to reduce size of labour camps. No perennial surface water resource adjacent to site. No excavation work will be done.

4.	Land	Minor negative impact	Excavation, Construction debris, waste from labour camp.	Reutilization and recycling of construction debris Waste from labour camps will be collected and composted on site. Non compostable waste will be transported to landfill site. Topsoil will be conserved and used for landscaping in functional phase.	-
5.	Aesthetics	Minor negative impacts	Construction activities and Excavation	The impacts will be compensated by extensive tree plantation and gardening in the use phase.	Short term impact restricted only in the initial stages of construction.

EMP COST

Component	Capital cost	O & M Cost
	(Rs. In Lakhs)	(Rs. In Lakhs / year)
STP (Tertiary)	350	70
Swimming Pool	500	50
Water Treatment Plant	210	25
Solar System	175	15
Rainwater harvesting	150	15
Solid Waste Composting plant and Inert waste landfill	150	60
Landscape	1120	100
Environmental Monitoring	-	6
Public transportation facilities (Bus)	30	10
Fire mitigation measures	2500	125
Environment Management Cell	-	20
Total Cost	5185	496

ANNEXURE VI

SITE PHOTOGRAPHS

TOWER 04



TOWER 05



TOWER 6,7,8,9



TOWER 10,11



TOWER 1,2,3



TOWER 12,13,14



TOWER 15,16,17



TOWER 18,19,20



TOWER 22 TO 26 & TWIN BUNGLOWS



TOWER 27,28



Tower 29



Tower 21



Tower 31-



Townhouse-



VILLA 1 TO 28



STP Photographs





Landscape Developed At Site





Solid Waste Management (OWC Unit)






ANALYSIS REPORT FOR AMBIENT AIR QUALITY

Name of the Client:	Report Date	: 04.09.2023			
	Report No	: NIL/OT/08/23/326			
SAHAJANAND HI-TECH CONSTRUCTIONS PVT. LTD. AT VILLAGE GAHUNJE TAL – MAVAL, DIST – PUNE, MAHARASHTRA.	Reference	: Verbal Discussion			
	Date of Sampling	: 28.08.2023			
	Date of Analysis	: 31.08.2023			
	Duration of Monitoring	: 8 Hours			
	Sampling Location	: Project Site			
	Sampling done by	: Pristine Consultants			
	Sampling Procedure	: N(I)L/AIR/SOP-12/13/14			
RESULT					
Sr. No	Parameters	Result	NAAQS Limits	Unit	Method
1	Particulate Matter (PM10)	81.2	100	µg/m ³	IS 5182(part 23): reaffirmed : 2017
2	Particulate Matter (PM2.5)	34.8	60	µg/m ³	Lab SOP No.NIL/AIR SOP/03,based on CPCB Guideline Volume-1: 2011
3	Sulphur Dioxide (SO2)	30.4	80	µg/m ³	IS 5182 Part 2, reaffirmed: 2017
4	Nitrogen Dioxide (NOX)	40.1	80	µg/m ³	IS 5182 Part 6, reaffirmed: 2017

For NETEL (INDIA) LIMITED


Lab Incharge



ANALYSIS REPORT FOR AMBIENT NOISE

Name of the Client:		Report Date		: 04.09.2023	
SAHAJANAND HI-TECH CONSTRUCTIONS PVT. LTD. AT VILLAGE GAHUNJE TAL – MAVAL, DIST – PUNE, MAHARASHTRA.		Report No		: NIL/OT/08/23/327	
		Reference		: Verbal Discussion	
		Date of Monitoring		: 28.08.2023	
		Sample Details		: Noise Monitoring level	
		Sampling Done by		: Pristine Consultants	
Sampling Procedure		: As per the Reference method			
RESULT					
Sr. No	Location	Result dB(A) Day	Result dB(A) Day	Ambient Noise Standards in dB(A)	Method
1	Project Site	55.8	45.2	55*/45*	IS 9876:1981 & Manufacturer Manual, WI/S/5/35&36, Issue no. 3, Issue date 10.04.2014

Remark:


Limit During Day time < 55. (Day time shall mean from 6.00 am to 10.00 pm.)

Limit

During Night time < 45. (Night time shall mean from 10.00 pm to 6.00 am.)

As per Code of practice for Controlling Noise prescribed by Noise Pollution Committee from Sources other than Industries and Automobiles, the maximum noise levels near the construction site should be limited to 75 dB(A) Leq (5 min.) in industrial areas and to 65 dB(A) Leq(5 min.) in other areas.<http://envfor.nic.in/citizen/specinfo/noise.html>

For NETEL (INDIA) LIMITED


Lab Incharge

MoEF Recognized Laboratory





ANALYSIS REPORT FOR WATER

Name of the Client: SAHAJANAND HI-TECH CONSTRUCTIONS PVT. LTD. AT VILLAGE GAHUNJE TAL – MAVAL, DIST – PUNE, MAHARASHTRA.	Report Date	: 04.09.2023
	Report No	: NIL/OT/08/23/328
	Reference	: Verbal Discusssion
	Date of Sampling	: 28.08.2023
	Date of Analysis	: 31.08.2023
	Test Location	: Project Site
	Samplling Done by	: Pristine Consultants
	Sampling Procedure	: IS 3025 (P-1)

RESULT

Sr. No	Parameter	Result	Unit	IS desirable Limit (As per IS 10500:2012)	Method
PHYSICO-CHEMICAL PARAMETERS					
1	Colour	Colourless	Hazon	--	IS 3025(part4)
2	Odour	Agreeable	--	--	IS 3025(part5)
3	Taste	Agreeable	--	--	IS 3025(part 8)
4	pH	6.94	--	6.5-8.5	IS 3025 Part11:1983: RA 2017
5	Turbidity	<1	NTU	1	IS 3025 Part 10:1984RA: 2017
6	Alkalinity	112	mg/lit	200	IS 3025 part 23: 1986RA-2019
7	Total Hardness	142	mg/lit	200	IS 3025 (Part 21): 2009 EDTA method, RA: 2019
8	Total Dissolved Solids	174	mg/lit	500	IS : 3025 (Part 16):1984, RA 2017
9	Chloride	18.2	mg/lit	250	IS 3025 (part 32):1988, RA: 2019
10	Calcium	3.2	mg/lit	75	IS 3025(part 40):1991, EDTA method, RA:2019
11	Magnesium	2.4	mg/lit	30	IS 3025(part 46):1999, RA: 2019
12	Sulphate	BDL	mg/lit	200	IS 3025 (Part 24): 1988,RA: 2019
13	Copper	BDL	mg/lit	0.05	APHA 3111 B, 23rdEdition Additional Air-Acetylene flame AAS method:2017
14	Nitrate	BDL	mg/lit	45	IS : 3025 (Part 34) :1988, RA 2019
BACTERIOLOGICAL TEST					
15	Total Coliform	Absent	MPN/100ml	ABSENT	IS 1622

BDL : Below Detectable Limit

Remark : Test results related only to the sample tested.

: The Complaint register is available with the laboratory as per Environment protection act 1986.

For NETEL (INDIA) LIMITED



Lab Incharge





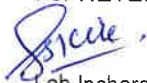
ANALYSIS REPORT FOR SOIL

Name of the Client:		Report Date : 04.09.2023		
SAHAJANAND HI-TECH CONSTRUCTIONS PVT. LTD. AT VILLAGE GAHUNJE TAL – MAVAL, DIST – PUNE, MAHARASHTRA..		Report No : NIL/OT/08/23/329		
		Reference : Verbal Discussion		
		Date of Sampling : 28.08.2023		
		Date of Analysis : 31.08.2023		
		Test Location : Project Site		
		Sampling done by : Pristine Consultants		
		Sampling Procedure : NIL/SOIL/SOP-11		
RESULT				
Sr. No	Parameter	Result	Unit	Method
1	pH (1:5 Suspension)	7.26	--	IS 2720 Part 26 :1987
2	Moisture	2.5	%	Lab SOP No. NIL/SOP/06 Based on Manual of Soil testing in india, Ministry of Agriculture, GOI: 2011
3	Electrical Conductivity (at 250oC)	4.8	Mmhos/cm	IS 14767:2000
4	Organic Carbon	5.2	%	Lab SOP No. NIL/SOP/05 Based on Manual of Soil testing in India, Ministry of Agriculture, GOI: 2011
5	Cation Exchange Capacity	61.2	Meq/100g m	Lab SOP No. NIL/SOP/08 Based on Manual of Soil testing in India, Ministry of Agriculture, GOI : 2011
6	Available Nitrogen	70.2	mg/kg	APHA 4500-Norg-B,23rd Ed 2017
7	Available Phosphorus	62.7	mg/kg	APHA 4500-P,23rd Ed 2017
8	Available Potassium	76.3	mg/kg	Lab SOP No. NIL/SOP/10 Based on Manual of Soil testing in India, Ministry of Agriculture, GOI : 2011
9	Sodium	4.5	mg/kg	Lab SOP No. NIL/SOP/10 Based on Manual of Soil testing in India, Ministry of Agriculture, GOI : 2011
10	Copper	<2	mg/kg	EPA 3050 B Air- Acetylene flame AAS Method : 1996
11	Zinc	<2.5	mg/kg	EPA 3050 B Air- Acetylene flame AAS Method : 1996
12	Total Chromium	<5	mg/kg	EPA 3050 B Air- Acetylene flame AAS Method : 1996
13	Cadmium	<5	mg/kg	EPA 3050 B Air- Acetylene flame AAS Method : 1996
14	Lead	<1	mg/kg	EPA 3050 B Air- Acetylene flame AAS Method : 1996

BDL : Below Detectable Limit

Remark : Test results related only to the sample tested.

For NETEL (INDIA) LIMITED


Lab Incharge

