## HALF-YEARLY POST EC COMPLIANCE REPORT

OF

# "Vedant Palacia"

Residential cum commercial Project at S. No. 16 H. No 4 at

village Gandhare, Taluka Kalyan District, Thane.

PERIOD

July 2022 - December 2022

Project Proponent

M/s. Soman Infrastructures and Projects



Date: 09-01-2023

To, **The Member Secretary, (MPCB)** Kalpataru Point 3<sup>rd</sup> Floor, Opp. Sion Circle, Sion East Mumbai – 400 022.

Subject

 Submission of Half Yearly Post Monitoring Report for the period of July 2022
 December 2022 for proposed Residential and Commercial project "Vedant Palacia" Residential cum commercial Project at S. No. 16 H.No 4 at village Gandhare, Taluka Kalyan District, Thane

Reference : Environment Clearance letter No. SIA/MH/MIS/199892/2021 dtd.26.02.2022

Sir,

With reference to above mentioned subject and the condition stated in Environment Clearance Letter, we hereby submit the half-yearly compliance report along Data-Sheet and Enclosures as per compliances done at site with respect to the condition stated in Environment Clearance letter for above mentioned Project.

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

Yours faithfully,

M/s. Tharwani Properties.

(Formerly Known as Soman Infrastructures and Projects)

Authorized Signatory Encl: As Above.

Tharwani Infrastructures, Near Sanjeevani Eye Clinic, Kalyan Ambernath Road, Ulhasnagar - 421 003. Contact: 8550889911 / 8550889944 | www.tharwaniinfrastuctures.com



Date: 09-01-2023

To,

The Director,

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

Subject Present status of Project work for July 2022 - December 2022 for proposed Residential and Commercial project "Vedant Palacia" Residential cum commercial Project at S. No. 16 H. No 4 at village Gandhare, Taluka Kalyan District, Thane.

Reference Environment Clearance letter no. SIA/MH/MIS/199892/2021 dtd.26.02.2022

Sir,

This has reference to the submission of Post Monitoring Report for proposed Residential and Commercial project <u>"Vedant Palacia" Residential cum commercial Project at S. No. 16 H.No 4 at village Gandhare, Taluka Kalvan District, Thane.</u>

Building Details	Wings	Building Configuration	Status	Constructed Area
1	Wing A	Stilt + 1 <sup>st</sup> - 3 <sup>rd</sup> P + 4 <sup>th</sup> - 36 <sup>st</sup> residential Floors	Work in progress	15396.46 sq.mtr
2	Wing A1	Gr + 3 upper Commercial Floors	Floors Completed	913.24 sq.mtr
3	Wing A2	Gr + 3 upper Commercial Floors	Floors Completed	913.24 sq.mtr
4	Wing B	Stilt + 36 upper Residential Floors	Work in progress	Not yet Started
5	Wing C	Stilt + 36 upper Residential Floors	Work in progress	Not yet Started
6	Club House	Gr + 3 Floors	Work in progress	Not yet Started

The present project status at site is as follows:

Thanking you,

Yours truly, M/s. Tharwani Properties (formerly Known as Soman Infrastructures and Projects)

Authorized Signatory

# **DATA SHEET**

"Vedant Palacia"

Residential cum commercial Project at S. No. 16 H. No 4 at village Gandhare, Taluka Kalyan District, Thane.

**PROJECT PROPONENT** 

M/s. Soman Infrastructures and Projects

#### MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS

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

#### PART – I <u>DATA SHEET</u>

1.	Project type: river - valley/ mining/ Industry / thermal / nuclear/ Other (specify)	Residential and Commercial Project
2.	Name of the project	"Vedant Palacia"
3.	Clearance letter (s) / OM/ no and date:	File No.: SIA/MH/MIS/199892/2021 Dtd. 26/02/2022
4.	Location	At S. No. 16 H. No 4 at village Gandhare, Taluka Kalyan, District Thane
a.	District (s)	Thane
b.	State (s)	Maharashtra.
c.	Latitude / Longitude	19° 9'54.13"N, 73°15'4.69"E
5.	Address for correspondence	
a.	Address of concerned project Chief Engineer (with pin code & telephone / telex/fax number)	at S. No. 16 H. No 4 at village Gandhare, Taluka Kalyan, District Thane
b.	Address of Executive Project Engineer /Manager (with pin code / fax number)	at S. No. 16 H. No 4 at village Gandhare, Taluka Kalyan, District Thane.
6.	Salient features	
a.	of the project	Total Plot Area: 10090.00 sq.mt.
		FSI AREA: 28082.64 sq.mt
		Non FSI: 7362.23 sq.mt
		Total construction Area: 35,444.87 sq.mt

b.	of the environmental management plans	1. <u>Sewage Treatment Plant:</u>
		Sewage Treatment Plant with total capacity 175 KLD will be provided for treating the wastewater.
		Recycled wastewater will be used for Flushing, gardening etc.
		2. <u>Water Management:</u>
		Rain Water Harvesting shall be provided to recharge the ground water table.
		3. <u>Solid Waste Management:</u>
		• Dry waste: will be hand over to Local Recycler for recycling
		• Wet waste: will be processed in the OWC for manure for landscaping/gardening
		• STP Sludge: Use as manure.
7.	Break Up Of the project Area	
a.	Submerge area: forest &: non-forest	Non-Forest
b.	Others	Nil
8.	Breakup 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 Laboure's / artisan	Not Applicable.
a.	SC, ST / Adivasis:	
b.	Others	
	(Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details and years of survey)	
9.	Financial details	

#### DATA SHEET

a.	Project cost as originally planned and subsequent revised estimates and the year of price reference	Total cost: 97 Crores.
b.	Allocation made for environmental	Capital EMP Cost: 119 Lakhs
	management plans with item wise and year wise break-up	Cost for EMP O & M: 18.50 Lakhs
c.	Benefit cost ratio/ Internal rate of return and the year of assessment	
d.	Whether (c) includes the cost of environmental management as shown in the above	
e.	Actual expenditure incurred on the project so far	Rs. 21 Cr
f.	Actual expenditure incurred on the environmental management plans so far	Nil
10.	Forest land required	
a.	The status of approval for diversion of forest land for non-forestry use	The land is of non-forest type hence not applicable.
b.	The status of clearing and felling	Not Applicable
c.	The status of compensatory afforestation, if any.	
d.	Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far.	N.A.
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information.	N.A.
12.	Status of construction	
a.	Date of commencement (Actual and/or planned)	August 2019

### DATA SHEET

"Vedant Palacia" Residential cum commercial Project at S. No. 16 H. No 4 at village Gandhare, Taluka Kalyan, District Thane by M/s. Soman Infrastructures and Projects

b.	Date of completion (Actual and/ or planned)	Completion date - Dec 2024
13.	Reasons for the delay if the project is yet to start	N.A.
14.	Dates of site visits	
a.	The date on which the project was monitored by the regional office on previous occasions, if any	·
b.	Date of site visit for this monitoring report	NIL
15.	Details of correspondence with project authorities for obtaining action plans/ information on status on compliance to safeguards other than the routine letters for logistic support for site visits	<b>M/s. Soman Infrastructures and Projects</b> Near Sanjivani Clinic, Kalyan-Ambernath Road, Ulhasnagar- 421 003.

# COMPLIANCE OF EC CONDITION

#### FOR

"Vedant Palacia"

Residential cum commercial Project at S. No. 16 H. No 4 at village Gandhare, Taluka Kalyan District, Thane.

**PROJECT PROPONENT** 

M/s. Soman Infrastructures and Projects

Point wise compliance status to various stipulations laid down by the Government of Maharashtra as per the Environmental Clearance issued vide letter no. <u>SIA/MH/MIS/199892/2021 dtd. 26/02/2022</u> as follows:

Specific conditions: -

Sr. No.	CONDITIONS	COMPLIANCE
A. SE	AC Conditions	
1.	PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.	We have obtained approval for full potential plan from KDMC. Sanction plan is attached as <b>Annexure 1</b> .
2.	PP to obtain Water Supply NOC.	We have obtained Water Supply NOC from KDMC. Sanction plan is attached as <b>Annexure 2</b> .
3.	PP to reduce the discharge of treated sewage to 35%. PP to submit NOC from concern authority for use of excess treated water in nearby Garden reservation/ Construction.	Undertaking for excess treated water is attached as <b>Annexure 3</b> .
4.	Planning authority to ensure that OC is issued after sewer line/network is made available to the project.	Condition is noted and we shall comply the same.
SEIAA	A Conditions	
1.	EC is restricted for Building A and B to 88.25 m height as per CFO NOC dated 26.10.2021.	Condition noted we will reapply for environment clearance after obtaining CFO NOC for full potential.
2.	PP to keep open space unpaved so as to ensure permeability of water. However, whenever paving is deemed necessary, PP to provide grass pavers of suitable types & strength to increase the water permeable area as well as to allow effective fire tender movement.	Condition is noted.

Sr. No.	CONDITIONS	COMPLIANCE
3.	PP to achieve at least 5% of total energy requirement from solar/other renewable sources.	Condition is noted and We hereby submit Energy calculation for the project is attached as <b>Annexure 4.</b>
4.	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.	Condition is noted.
5.	SELAA after deliberation decided to grant EC for-FSI-28082 m2, non-FSI-7362.87 m2, Total BUA-35444.87 m2. (Plan approval- KDMC/NRV/6637, dated-31.01.2022).	Condition is noted.
Gener	al Conditions	
Const	ruction Phase:	
1.	The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.	Agreed. The solid waste generated is being properly collected and segregated. The decomposable waste will be decomposed at site and will be used as manure; dry/inert solid waste is being disposed off in MSW disposal site.
2.	Disposal of muck, Construction spoils, including bituminous material 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 the approved sites with the approval of competent authority.	Disposal of muck generated during construction phase does not have any adverse effect on neighboring communities and is being disposed off taking necessary precautions for general safety and health of people
3.	Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	Since this is a building construction project, there shall not be hazardous waste generated during construction. However negligible quantity of Paint waste & used oil will be generated from the site, shall be disposed through Authorized vendor of MPCB.
4.	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision	Adequate drinking water facility is provided for the workers at the site during construction phase.

Sr. No.	CONDITIONS	COMPLIANCE
	should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	
5.	Arrangement shall be made that waste water and storm water do not get mixed.	Covered sewage system shall be proposed by installing soak pits for toilets and SWD shall be developed after completion of project so that waste water will not get mixed with storm water.
6.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.	Water demand during construction will be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
7.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Condition is noted.
8.	Permission to draw ground water for construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.	We shall use tanker water for construction activity. During Operation Phase, necessary water permission will be obtaining from Competent Authority.
9.	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of acrators or pressure reducing devices or sensor-based control.	Adequate measures will be taken into consideration to minimize the wastage of water.
10.	The Energy Conservation Building code shall be strictly adhered to.	Condition is noted and we shall comply the same.
11.	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Separate stock piles will be maintained. All the top soil excavated during construction activities will be be stored and utilized in horticulture/ landscape developments within the project site. The remaining excavated soil is being utilized in re-filling of foundation, road works, rising of site level etc.
12.	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 Additional soil if any, shall be utilized in re- filling of foundation, road works, rising of site level etc.

Sr. No.	CONDITIONS	COMPLIANCE
13.	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Soil testing was done, according to the reports all the parameters are within limit and so there is no threat to groundwater quality by leaching of heavy metals and other toxic contaminants
14.	PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.	Condition is noted and we shall comply the same.
15.	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.	Agreed. During construction phase, DG set will be used during power failure. DG sets is enclosed with acoustic enclosure. They are running on low Sulphur diesel only with the provision of air and noise emission standards as per EP Rules, 1986
16.	PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.	Condition is noted and we shall comply the same.
17.	Vehicles hired for transportation of Raw material shall strictly comply the emission norms prescribed by Ministry of Road Transport & Highways Department. The vehicle shall be adequately covered to avoid spillage/leakages.	It will ensure that all the vehicles used for construction activities are having valid Pollution under Check (PUC) certificates. The vehicles without valid Pollution under Check (PUC) certificate are not permitted at project site.
18.	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	<ul> <li>Agreed. Ambient noise levels have been confirmed to standards both during day and night.</li> <li>The silent type DG set with acoustic enclosures has been installed at project site.</li> <li>Low Sulphur fuel is being used.</li> <li>Exhaust is conforming to the provisions of Environment (Protection) Rules prescribed for air and noise emission standards.</li> <li>All vehicles entering to the site were with valid PUC certificate.</li> </ul>

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Sr. No.	CONDITIONS	COMPLIANCE
		All machinery used at the site is new and periodic maintenance of the machinery insured.
19.	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during construction 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 is preferred. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	<ul> <li>D.G. sets will be provided as back up for Residential buildings.</li> </ul>
20.	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 by a separate environment cell /designated person.	Regular supervision done by site engineer to take care of the construction activity and of the surroundings.
Op	eration phase	
1.	a) The solid waste generated should be properly collected and segregated. b) Wet waste 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, c) Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.	There will be 590 kg/day amount of total solid waste will be generated in the project. Out of which wet waste about 233 kg/day shall be treated in Organic waste composting machine. 357 -Dry waste shall be hand over to local recyclers Details of solid waste management attached as <b>Annexure 5</b> .
2.	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	Yes, E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2011
3.	a) 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	STP will be provided to treat the waste water. STP shall be provided by established consultant and operation and maintenance shall be done by the technical persons of consultant. STP of Capacity 175 cum is proposed which will be

Sr. No.	CONDITIONS	COMPLIANCE
	is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP. b) PP to give 100% treatment to sewage /Liquid waste and explore the possibility to recycle at least 50% of water, Local authority should ensure this.	utilize for Flushing and Gardening purpose. Refer <b>Annexure 6</b> .
4.	Project proponent shall ensure completion of STP. MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SELAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement.	We shall agree to comply with the condition.
5.	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.	We shall apply for Occupation Certificate only after ensuring availability of drinking water and connectivity of sewer line to the project site.
6.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	<ul> <li>This effect would be prominent during construction as well as operation phase. The probability of inconvenience faced due to the frequency of truck movement during construction phase would be minimized by better control of traffic movement in the area. Noise levels expected from the planned operating conditions have been assessed and are likely to be within acceptable levels. The impacts have been mitigated by the suggested measures in the "air control and management section".</li> <li>Anti-honking sign boards are placed in the parking areas and on entry and exit point.</li> </ul>

Sr. No.	CONDITIONS	COMPLIANCE
		The project will be provided with sufficient road facilities within the project premises and there will be a large area provided for the parking of vehicles.
7.	PP to provide adequate electric charging points for electric vehicles (EVs).	We will be provided 25% of electric charging point for electric vehicles in parking area.
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.	<ul> <li>The green area will be approx 588.02 sq.mt</li> <li>A combination of native evergreen trees and ornamental flowering trees, shrubs and palms are planned in the complex.</li> <li>There will be tree plantation of about 101 nos. Landscape Plan Attached as Annexure 7.</li> </ul>
9.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Separate environment management cell/ consultant with qualified staff is formed and implementing the same.
10.	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.	EMP allocated for all pollution devices and other facilities. <b>Refer Annexure 8.</b>
11.	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://parivesh.nic.in	The advertisement is published in Marathi and English language local newspaper "THE FREE PRESS JOURNAL" dtd. 05.03.2022. In Marathi newspaper "LOKMAT" dtd. 05.03.2022. <b>Refer</b> <b>Annexure 9.</b>
12.	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to	We are submitting six monthly reports to Environment Department, Mantralay & MPCB.

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Sr. No.	CONDITIONS	COMPLIANCE
	the MPCB & this department, on 1st June & 1st December of each calendar year.	
13.	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	We shall comply the same.
14.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, NOx (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Condition is noted.
Gener	al EC Conditions	
1.	PP has to strictly abide by the conditions stipulated by SEAC& SEIAA.	Condition is noted & we shall abide by the same.
2.	If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to	We have Obtained Consent to Establish from MPCB. <b>Refer Annexure 10.</b>

Sr. No.	CONDITIONS	COMPLIANCE
	the Environment department before start of any construction work at the site.	
3.	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	We have obtained Environmental Clearance for construction activity. Refer <b>Annexure 11</b> . Obtained Consent to Establish. Refer <b>Annexure</b> <b>10</b> .
	has been started without obtaining environmental clearance.	
4.	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.	Condition is noted and submitted to regional office of MoEF. We are submitting herewith six- monthly reports to environment department, Mantralay & MPCB.
5.	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 ammended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MOEF by e-mail.	Condition is noted.
6.	No further Expansion or modifications, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted to SEIAA for clearance, a fresh reference shall be made to the SEIAA as applicable to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Condition is noted and we shall comply the same.

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Sr. No.	CONDITIONS	COMPLIANCE
7.	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.	As the site is not within the radius as define under the circular number and hence NOC is not applicable.



ARY AREA STATEMENT PLOT-1, WING-A, A1, A2 & C , CLUB HOUSE
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MARY AREA STATEN	MENT PLOT-1, WIN	G-A, A1, A2 & C,	CLUB HOUSE		
OOR	WING-A AREA IN SQ.MT.	WING-A1 AREA IN SQ.MT.	WING-A2 AREA IN SQ.MT.	WING-C AREA IN SQ.MT.	CLUB HOUSE SQ.MT.
OUND FLOOR AST FLOOR COND FLOOR IRD FLOOR JRTH FLOOR TH FLOOR KTH FLOOR JENTH FLOOR ATH FLOOR NETH FLOOR NETH FLOOR	73.26 73.26 73.26 73.26 384.45 318.85 384.45 384.45 318.85 384.45 318.85 384.45	190.72 190.72 240.85 240.85	210.89 210.89 210.89 210.89	24.07 106.62 106.62 106.62 106.62 62.47 106.62 106.62 62.47 106.62 106.62 106.62	168.56 179.77 220.63
TAL AREA	2468.54	863.14	843.56	1001.97	568.96
TAL BUILT UP ARE	A OF PLOT-1 , W	/ING-A , A1 , A2	& C	5746.17 SQ.MT.	

NIL EXCESS BALCONY

TOTAL BUILT UP AREA OF PLOT-1 , WING-A , A1 , A2 & C

5746.17 SQ.MT. .............

NIL

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TENEMENTS STATEMENT	PLOT-1 WING	-A, A1, A2	& C	
DETAILS	WING-A	WING-C	WING-A1	& A2
FF00 11001 0010 0010	NIL NIL 10 NOS. 12 NOS.	NIL		
COMMERCIAL AREA	22 NOS.	18 NOS.	1693.06	SQ.MT.
PARKING STATEMENT	PLOT-1 WIN	G-A , A1	, A2 & C	
ТҮРЕ	NO. C	OF FLATS	REQUIRED PARKINGS	
WING-A1 & A2 COMMERCI	AL AREA 1693	3.06 SQ.M.		
WING-A-A1-A2 CARS	22	2 NOS.	28 NOS.	170 NOS.
SCOOTE	RS 22	NOS.	28 NOS.	34 NOS.
CYCLE	S 22	2 NOS.	28 NOS.	34 NOS.
WING-C CARS	11	B NOS.	5 NOS.	5 NOS.
SCOOTERS	11	B NOS.	18 NOS.	18 NOS.
CYCLES	11	8 NOS.	18 NOS.	18 NOS.
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W2						1.6	
W3						1.2	
W4						1.9	
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# NOTES

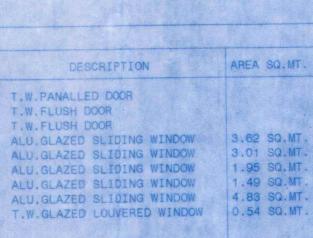
1 PLOT SHOWN IN 2 EXISTING STREET

3 PROPOSED WORK 4 DRAINAGE & SEWERAGE WORK

5 RECREATION GROUND

6 ROAD AND SET BACK 7 A.P.ARCHITECTURAL

PROJECTION 0.75 MT.W.



THICK BLACK GREEN RED FILLED IN RED DOTTED GREEN WASH BURNT SIENNA

	बाधकाम नकाशे मजूरी जिस
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	ह कल्याण टोबियली है।
	महानमः स्पालिस्ता हि
	्रि जि. ठागे. २
	* OST. THANKE *
	PROFORMA
Start No.	
ALL ROLLING	AREA STAEMENT. AREA OF PLOT AS PER 7/12 EXTRACT
	AREA OF PLOT AS PER THE EXTRACT
L. L.	DEDUCTION FOR
	AREA UNDER 18.0 MT.W.ROAD
	AREA UNDER 24.0 MT.W.ROAD TOTAL AREA UNDER ROAD ( a+b )
	BALANCE AREA OF PLOT ( 2-30 )
- ANA	THOM ADDA
	PLOT AREA DEDUCTION FOR
	RECREATION GROUND 15%
	INTERNAL ROADS.
	TOTAL ( a+b ) NET AREA OF PLOT ( 5 - 4C )
-	FLOOR SPACE INDEX CREDIT AVAILABL
	DEVELOPEMENT RIGHTS
	FOR PLOT-2 = 0.90 OF 2064.00 = 18
and the second	FOR PLOT-1 = $1.15$ OF $5880.25 = 67$ TOTAL AREA 7( $a + c + d$ )
	20% OF NET PLOT-1 = 20% OF 4998.2
	SELF T.D.R.
	TOTAL AREA 7( e + f ) F.S.I. PERMISSIBLE.
	PERMISSIBLE FLOOR AREA ( MAXIMUM A
and	PROPOSED AREA.
111	EXCESS BAL. AREA TAKEN IN TO F.S. TOTAL BUILT-UP AREA ( 12 + 13 )
100	F.S.I. CONSUMED 14/7.
	TENEMENT STATEMENT.
	TOTAL PROPOSED AREA ( 14 )
	LESS DEDUCTION OF NON RES AREA (
1000	LESS DEDUCTION OF CLUB HOUSE AREA
	TOTAL ( b + c )
	AREA FOR TENEMENTS ( a - d )
No. of Concession, Name	TENEMENTS PERMISSIBLE (120 PER A
	TENEMENTS PROPOSED.
1000	CERTIFICATE FOR AREA.
	CERTIFICATE THAT THE PLOT UNDER REFER
	AREA AS MEASURED ON SITE AND THE ARE
	TALLIES WITH THE AREA STATED IN DOCUM
	ROPOSED BLDGS.ON PLO
S	.NO. 16 , H. NO. 4 AT VIL.
T	AL KALYAN , DIST THAN

SHRI. MOHAN H. THARWANI & SHRI. SANTOSH R.CHIJWANI.

SIGNATUR

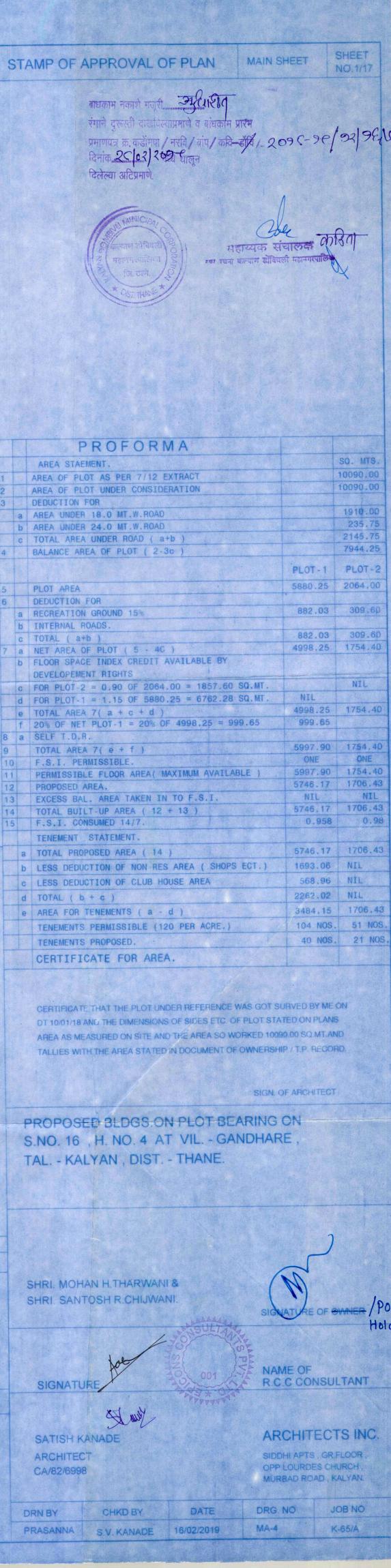
CHKD BY

Stunk SATISH KANADE ARCHITECT CA/82/6998

DRN BY PRASANNA S.V. KANADE

16/02/2019

LOCATION PLAN SCALE 1 : 5000



water NOC.



# <u>कल्याण डोंबिवली महानगरपालिका, कल्याण.</u> <u>पाणी पुरवठा कल्याण (पश्चिम)</u>

जा.क्र.कडोंमपा/उअ/पापु/कवि/बप्र/ & दिनांक:- २४१०९१२०२९

प्रति,

आ. मोहन सारवानी

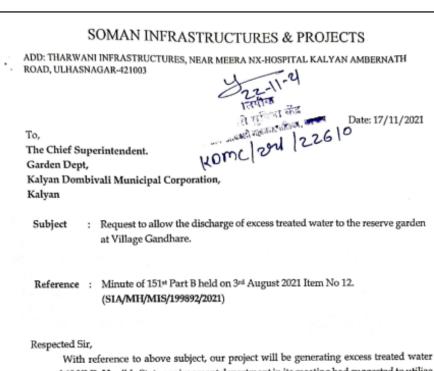
#### प्रमाणपत्र

विषय :- थकबाकी नसले बाबतचा दाखला संदर्भ :- श्री. जोहन ब्यात्वानी यांचा दिनांक 90 / 03 / २०२१ रोजीचा अर्ज

वरील विषय संदर्भान्वये प्रमाणीत करण्यात येते की, श्री. झोट्टन आरवानी यांचे नावे त्यांनी अर्जात नमुद झार्जन प्रहा हिन्जन हो, मोजि - ठाट्टाले कल्याण (पश्चिम) या ठिकाणी नळजोडणी नाही. कारणे थकबाकी नाही.

सदरचा दाखला हा त्यांचे दि. १८/ ०८ / २०२९ चे अर्जानुसार देण्यांत येत आहे.

उप्र अभियंता (पा.पु) कल्याण डोंबिवली महानगरपालिका कल्याण (पश्चिम)

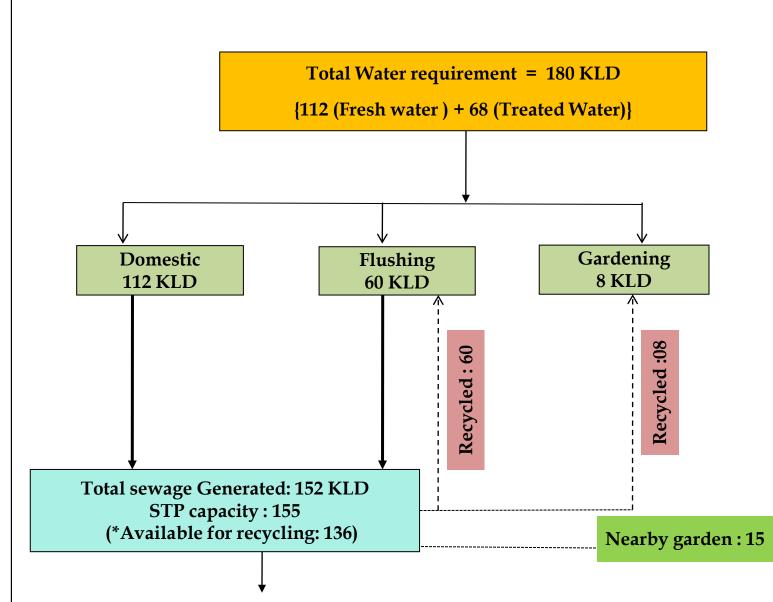


around 69 KLD. Hon'ble State environment department in its meeting had suggested to utilize the excess treated water generated from our STP in nearby garden reservation. Hence, we request you to give the permission to discharge the excess treated water in

the Garden Area proposed by KDMC at Plot no. 15/5 at village Gandhare, Kalyan West.

Thanking you Yours faithfully M/s. Soman Infrastructures & Projects

Authorized Signatory For Soman Infrastructures and Projects



54 Excess treated water: Connected drainage system

# ENERGY SAVING MEASURES

Sr.no.	Description	Power consumed using Conventional method (in KWH/ Anum)	Power consumed incorporating energy saving methods (in KWH / Anum)	Energy Saving incorporating energy saving methods (in KWH/ Anum)	% of Energy Saving with individual Methods
1	Lift load with regenerative drives	375968	319573	56395	15%
4	Geyser load - with 90 flats on solar water heater	292923	106542	186381	64%
5	External Lighting saving with solar lighting	12948	5622	7326	57%
	Total	681840.08	431737.41	250102.66	
	Total Annual Energy Consumption in power / annum (in KWH) =		1,678,605.42		
	By percentage, Total saving =		14.90%		
	Net Solar Electrical Power Generation		272.46		
	Total Demand Load		2,592.20		
	By percentage, Total Solar Generation / Total De Ideally 1%	emand Load	10.51%		

# SOLID WASTE MANAGEMENT -OPERATION PHASE

	Occupancy		l Waste Generation /day)	Solid Waste Gene	ration (kg/day)	_ Total (kg/day)
	Load	Wet Waste	Dry Waste	Wet Waste	Dry Waste	
Residential	1240	0.27	0.18	223	335	558
Shops, Offices	160	0.140	0.06	10	22	32
Total	1400			233	357	590
Management				Composting by OWC- manure produced will be used at site for landscaping	Will be handed over to recycler	

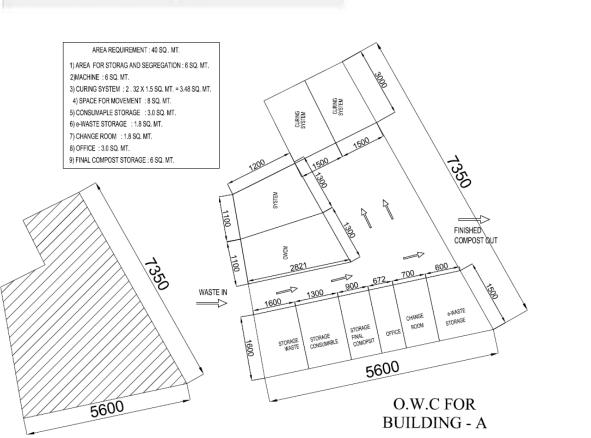
**Criteria for solid waste calculation NBC 2016:** Residential = 0.450 kg / person/day (total domestic waste) Biodegradable= 40% of total waste Non-Biodegradable= 60% of total waste

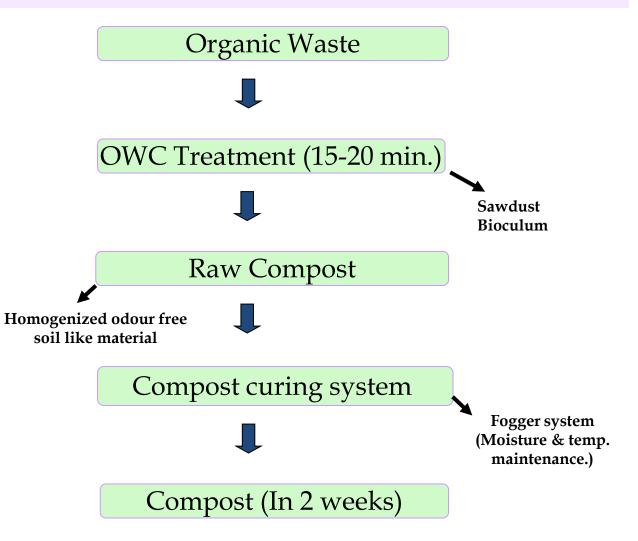
# SOLID WASTE MANAGEMENT - OPERATION PHASE

#### OWC machine

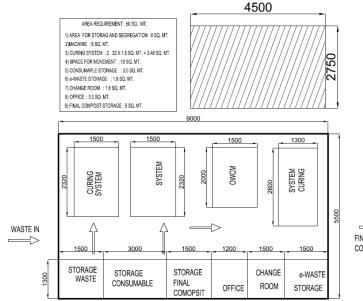




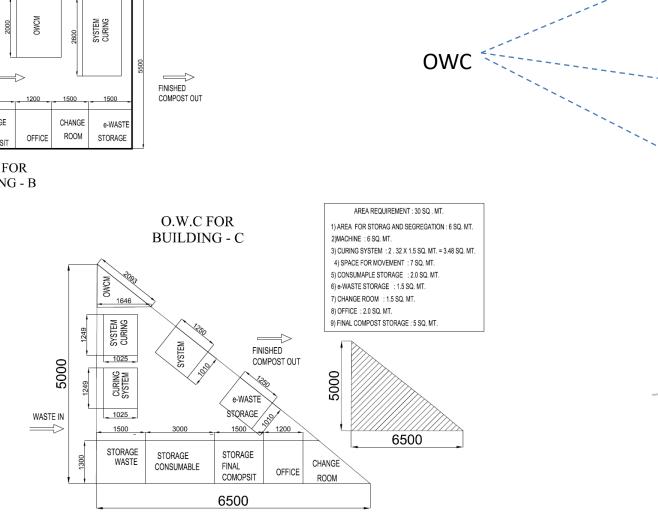


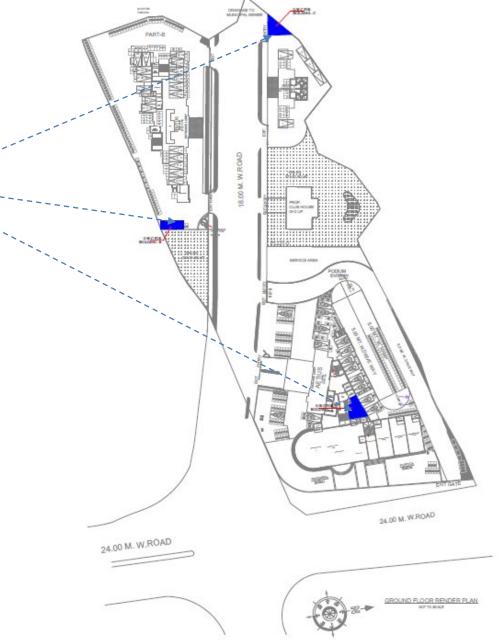


# ORGANIC WASTE COMPOSTER LAYOUT



O.W.C FOR BUILDING - B

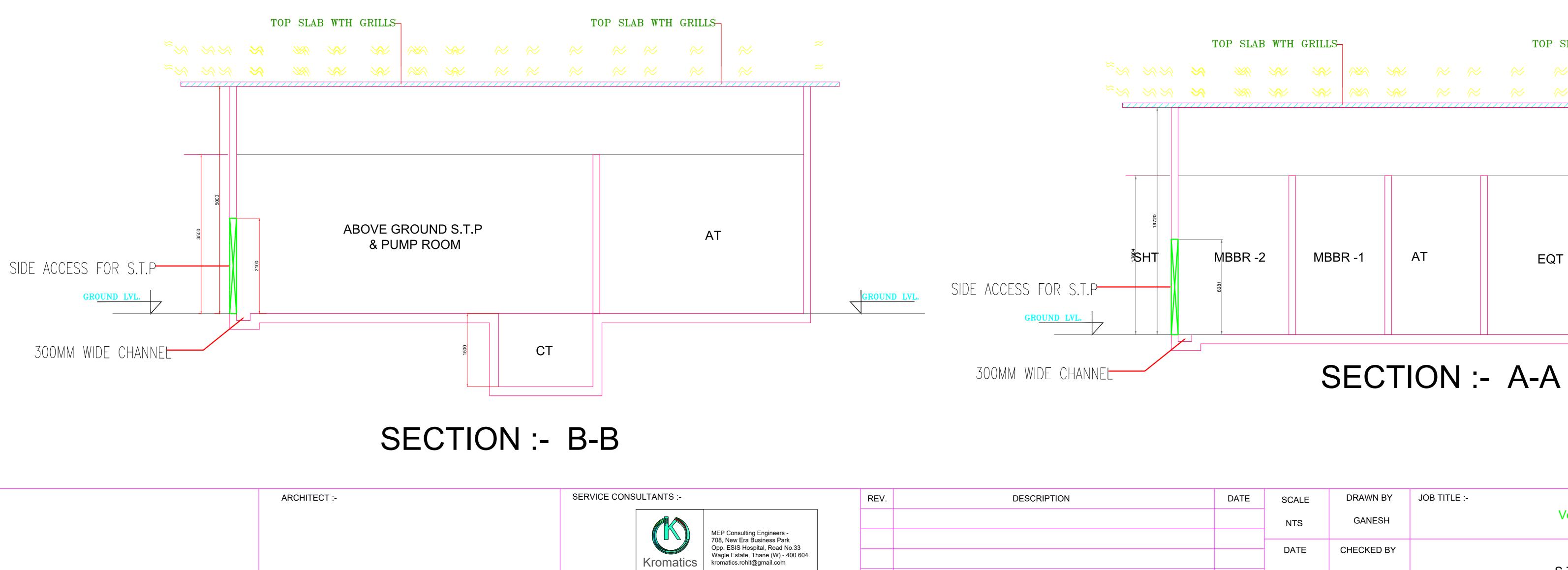




LIST O	F CIVIL UNITS					
TAG NO.	DESCRIPTION	SPEC		TION	QTY.	
СТ	COLLECTION CHAMBER	1.5 X	1.1 X1	.5 M SWD	01	
BSC	BAR SCREEN CHAMBER	1.1 X	0.5 X (	0.5 M SWD	01	
O>	OIL & GREASE TANK	1.9 X	1.1 X <sup>-</sup>	1.2 M SWD	01	
EQT	EQUILIZATION TANK	3.5 X	3.0 X 3	3.0M SWD	01	
AT	ANOXIC TANK	1.5 X	3.0 X 3	3.5 M SWD	01	
MBBR-1	MOVING BED BIO-REACTOR-1	2.0 X	3.0 X	3.2 M SWD	01	
MBBR-2	MOVING BED BIO-REACTOR-2	2.0 X	3.0 X	3.2 M SWD	01	
IT	INTERMEDIATE TANK	1.0 X	1.0 X 3	3.0 M SWD	01	
TS	TUBE SETTLER	1.0 X	1.0 X 2	2.9 M SWD	01	
CCT/FFT	FILTER FEED TANK	2.0 X	1.0 X 2	2.5 M SWD	01	
SHT	SLUDGE HOLDING TANK	1.5 X	1.6 X	2.5 M SWD	01	
LIST O	F MECHANICAL UNITS					
TAG NO.	DESCRIPTION	QTY.		STP CAPIC	ITY(KLD)	155 KLD
AFP-I/II	ANOXIC FEED PUMP	02	$\left\{ \right\}$	TECHNOLC	)GY	MBBR
AB-I/II	AIR BLOWER	02		LOCATION		ON GROUND
SP-I/II	SUMP PUMP	02		AREA OF S	TP	94 SQM
SRP-I/II	SLUDGE RE-CIRCULATION PUMP	02				
STP-I/II	SLUDGE TRANSFER PUMP	02	(			
FFP-I/II	FILTER FEED PUMP	02				
FPFP-I/II	FILTER PRESS FEED PUMP	02				
DMF	DUAL MEDIA FILTER	01				
ACF	ACTIVATED CARBON FILTER	01				
FP	FILTER PRESS	01				

# LIST OF HDPE UNITS

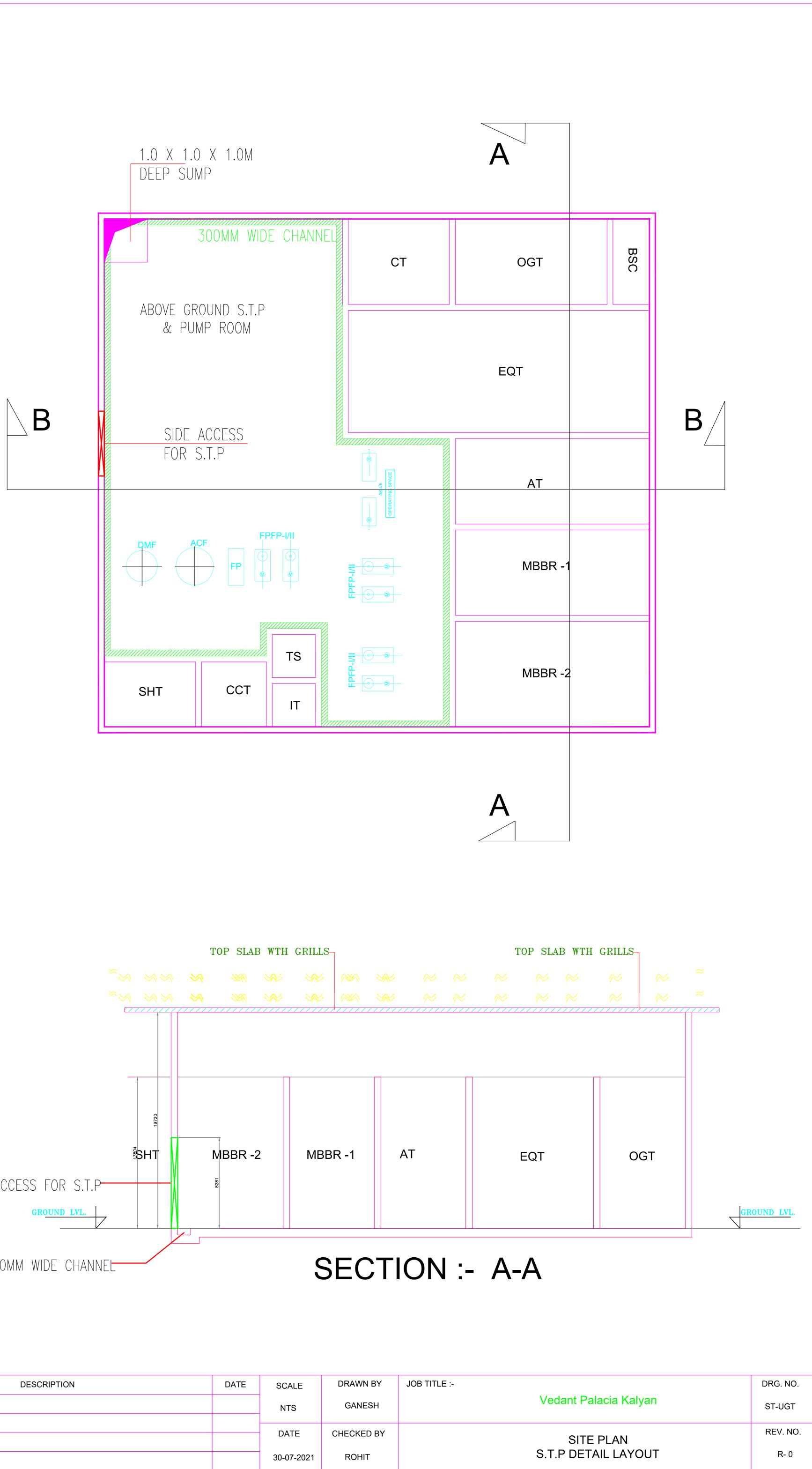
TAG NO.	DESCRIPTION	
HDS	HYPO DOSING SYSTEM	
PDS	POLY DOSING SYSTEM	

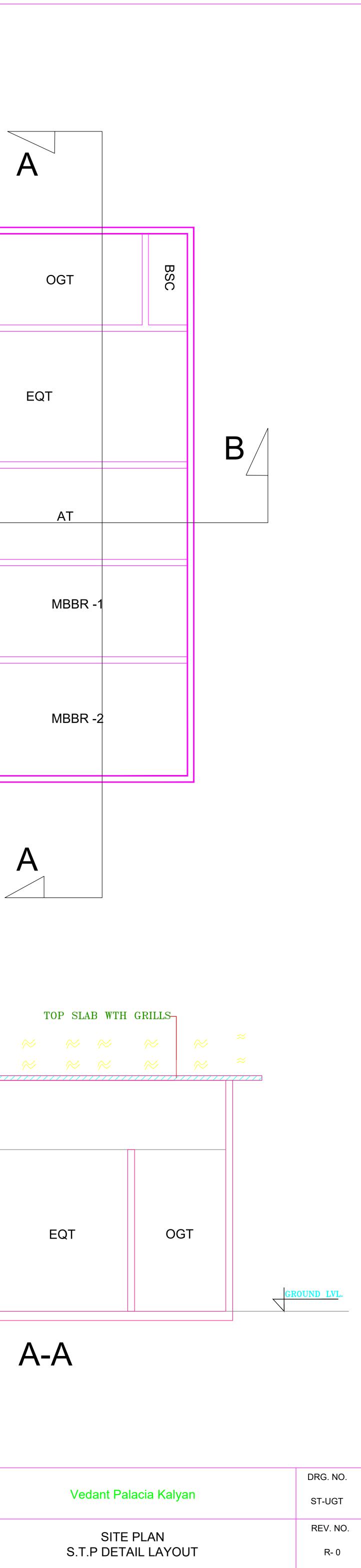


Kromatics

We make buildings work

QTY.
01
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DESCRIPTION	DATE	SCALE	DRAWN BY	JOB TITLE :-	
		NTS	GANESH		Ve
		DATE	CHECKED BY		
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		30-07-2021	ROHIT		S.T



# ENVIRONMENTAL MANAGEMENT PLAN-CONSTRUCTION PHASE

Sr. No.	Components	Impact Resources	Mitigation Measures
1	Air	<ul> <li>Construction activities</li> <li>Transportation of construction materials</li> <li>Use of DG set in case of emergency</li> </ul>	<ul> <li>Use of barricading sheets of adequate height all around the project site during construction phase of the project.</li> <li>Use of covering sheets for truck carrying raw materials so that no dust particles generated.</li> <li>All material storages adequately covered to avoid dust emission.</li> <li>Precautions will be taken to reduce the impact of the vehicular movement by trying to avoid the vehicular trips during peak hours.</li> <li>Proper measures such as sprinkling of water on the ground and construction will be done at regular intervals to reduce the spreading of the dust particles.</li> <li>DG sets as per CPCB norms.</li> <li>Adequate parking provision and proper traffic arrangement for smooth traffic flow.</li> <li>Tree plantation.</li> </ul>
2	Noise	<ul> <li>Construction activities</li> <li>Vehicular movement</li> <li>Use of DG set</li> </ul>	<ul> <li>Proper maintenance of vehicular traffic in and around the project site.</li> <li>Signboards along the approach roads to avoid unusual use of horns and also for avoiding idling noise.</li> <li>DG sets as per CPCB norms.</li> <li>Work carried out only during day time.</li> <li>Ear plugs and ear muffs for workers.</li> </ul>
3	Water	<ul> <li>Use of tanker water for construction purpose.</li> </ul>	<ul> <li>Proper management of channelization of water to avoid water logging at site.</li> <li>Proper construction methodologies will be followed.</li> <li>Sanitary and hygienic measures will be provided.</li> <li>Adequate drinking water and sanitary facilities will be provided for construction workers at the site.</li> </ul>
4	Land	<ul><li>Construction activities</li><li>Land cleaning</li></ul>	<ul><li>Minimum cutting and filling involved in the project.</li><li>Preservation of top soil for gardening.</li></ul>

5	Solid Waste	<ul> <li>Construction waste and excavation materials</li> </ul>	<ul> <li>Provision of segregation and sorting of construction materials at site.</li> <li>Excavated soil partly used as filling materials and levelling and remaining materials will be disposed by covered trucks to the authorized sites through contractors.</li> </ul>
6	Ecological Aspects	• Site cleaning during construction phase.	<ul><li>Tree plantation</li><li>Increase vegetation cover if possible.</li></ul>
7	Socio Economic Environment	<ul> <li>Workers at site during construction phase</li> </ul>	<ul> <li>Sourcing of construction materials from local vendors.</li> <li>Preference for local labour for employment</li> <li>Adequate drinking water facilities for workers.</li> <li>Personal protective and safety equipment's for workers.</li> </ul>

# **ENVIRONMENTAL MANAGEMENT PLAN-**

## **OPERATION PHASE**

Sr. No.	Components	Impact Resources	Mitigation Measures
1	Air	<ul> <li>Vehicular movement</li> <li>Use of DG set (in case of emergency)</li> </ul>	<ul> <li>Adequate parking provision and proper traffic arrangement for smooth traffic flow.</li> <li>Provision of separate entry and exit. Vehicular movements, signage's showing no parking area, way to parking, entry and exit will be displaced properly.</li> <li>Use of CPCB approved, low Sulphur fuel DG sets.</li> <li>Proposer maintenance of DG sets shall be done.</li> <li>Landscaping and tree plantation.</li> </ul>
2	Noise	<ul> <li>Vehicular movement</li> <li>Use of DG set (in case of emergency)</li> </ul>	<ul> <li>Adequate parking provision with signage's for proper traffic movement.</li> <li>Awareness in the people to avoid the honking.</li> <li>Signboards along the approach roads to avoid unusual use of horns and also for avoiding idling noise.</li> <li>Provision of DG set with acoustic enclosure for noise control.</li> <li>Tree plantation which will act as external noise barrier for the residents.</li> </ul>
3	Water	<ul> <li>Wastewater generation from the project.</li> <li>Strom water runoff</li> </ul>	<ul> <li>Provision of water saving practices.</li> <li>Provision of sewage treatment plan.</li> <li>Water conservation using water efficient appliances.</li> <li>Storm water drainage will be properly maintained.</li> <li>Provision of rainwater harvesting system</li> </ul>
5	Solid Waste	<ul> <li>Solid waste generation</li> </ul>	<ul> <li>Solid waste generated from the flats will be stored in different colour bins and to be collected and segregated at source as biodegradable &amp; non-biodegradable waste.</li> <li>Biodegradable waste will be process in Organic Waste Converter and compost will be used as manure for gardening.</li> <li>Non-biodegradable waste will be handled over to authorize agency for their disposal.</li> </ul>

		<ul> <li>Awareness campaign for residents for effective solid waste management and segregation practices.</li> </ul>
6	Ecological Aspects	 Tree plantation
7	Socio Economic Environment	 <ul> <li>Environmental and safety awareness programs for residents.</li> <li>Gardening job to locals</li> </ul>



February 2022

CZ220030HH 82113 The copies of the learance letter are available with datasathra Polutiono Control Board and nay also be seen on the Website of the geartment of terminoment. Government if Maharashtra a http://jaritesh.nic.in/ Mrs. SOMAN INFRASTRUCTURES AND PROJECTS

H188113. The cope

No



परिसिद्धट्टा आ भी में, सोमन हज्फारदुक्सर आणि प्रोनेद्स संसंपाण करतेस कब्छ दुखिजो भा तारापट शासनाच्या पर्वात्यण विमागने भारत्या सर्वे नं १९, हिस्सा नं १, गंधारेगांव, ताल्ह्रला, कल्तमण, किन्द्रा टांगे महाराष्ट्र येथोल "देतां पंठीर्त्या" प्रकल्पाला दितांक रहे फे कुसा नि २०२२ रोने पत्र करं EC22B03BMH188113 अन्व स्वे भारते सर्वायाच्या दृष्टिकोनत्तृद मान्यता दिली आते. सरदा मान्यता प्रकार्या क्रम्पताच्या प्रदेश नियंकण मंडळाज्या कार्ताल्याप्रमत् तांच्या <u>भाष्टाः//parivesh.nic.in/</u> या सोनेतस्यळाबा उगलप्रय ग्रांहे मे, सोमम इज्जारदुक्सर आणि प्रोतेकट्स

# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437 Fax: 24044532/4024068/4023516 Website: http://mpcb.gov.in Email: jdwater@mpcb.gov.in



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

Infrastructure/RED/L.S.I No:- Format1.0/JD (WPC)/UAN No.0000128018/CE/2205000687 To, M/s. Tharwani Properties "Vedant Palacia" Residential cum commercial Project at S. No. 16 H.No 4 at village Gandhare Taluka Kalyan District Thane



Your Service is Our Duty

#### Sub: Consent to Establish for construction of Residential Cum Commercial Project granted under red category.

Your application NO. MPCB-CONSENT-0000128018

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

- 1. The Consent to Establish is granted for a period upto commissioning of project or up to 5 year whichever is earlier.
- 2. The capital investment of the project is Rs.97 Cr. (As per C.A Certificate submitted by industry).
- 3. The Consent to Establish is valid for construction of Residential Cum Commercial Project named as M/s. Tharwani Properties "Vedant Palacia" Residential cum commercial Project at S. No. 16 H.No 4 at village Gandhare Taluka Kalyan District Thane on Total Plot Area of 10090.00 SqMtrs for Total construction BUA of 51373.47 SqMtrs including utilities and services
- 4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr No	Description	Permitted (in CMD)	Standards to	Disposal
1.	Trade effluent	Nil	NA	NA
2.	Domestic effluent	190	Schedule - I	The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be connected to the sewerage system provided by local body

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

Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	DG Set (230 KVA) x 2 Nos	2	As per Schedule -II
2	DG Set (200 KVA)	1	As per Schedule -II
3	DG Set (12.5 KVA)	1	As per Schedule -II

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

Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Dry Waste	417 Kg/Day		Converted to Manure and used for gardening
2	Wet Waste	314 Kg/Day		Handed over to local recycler for recycling

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

Sr No	Category No.	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	8	Ltr/M	NA	As per Hazardous Waste (Management and Handling) Rules, 2008

- 8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same should be binding on the industry
- 9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities
- 10. PP shall provide adequate capacity of Sewage treatment plant so as to achieve treated domestic effluent standards for the parameter BOD-10 mg/lit.
- 11. The treated domestic effluent shall be 60% recycled for secondary purpose such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening
- 12. The online monitoring system installed for the parameters PH, Flow, BOD,TSS at the outlet of STP & shall be connected to MPCB Server

- 13. Project Proponent shall make provision of charging port for Electric vehicles in at least 40% total available parking area
- 14. Project proponent shall take adequate measures to control noise & dust emission during construction phase
- 15. PP shall submit Bank Guarantee of Rs 9.7 Lakhs (0.1 % of total capital investment). The same shall be forfeited by RO /SRO as project proponent has started construction activity without obtaining consent to Establish from MPC Board & Environmental Clearance from Competent authority. thus violated the Consent Conditions.
- 16. PP shall obtain Environmental Clearance for the proposed activity from competent authority and PP shall not take any effective step towards the construction without obtaining Environmental Clearance & Project proponent shall submit Bank Guarantee of Rs. 10 Lakhs towards compliance of consent conditions

#### **Received Consent fee of -**

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type			
1	125000.00	MPCB-DR-10302	10/02/2022	NEFT			
TETET							

#### Copy to:

- 1. Regional Officer, MPCB, Kalyan and Sub-Regional Officer, MPCB, Kalyan I
- They are directed to ensure the compliance of the consent conditions.

They are directed to obtain Bank Guarantee of Rs 9.7 Lakhs (0.1 % of total capital investment) from project proponent . The same shall be forfeited by RO /SRO as

- project proponent has started construction activity without obtaining consent to Establish from MPC Board & Environmental Clearance from Competent authority. thus violated the Consent Conditions.
- 2. Chief Accounts Officer, MPCB, Sion, Mumbai

## **SCHEDULE-I**

# Terms & conditions for compliance of Water Pollution Control:

- A] As per your application, you have proposed to provide MBBR based Sewage Treatment Plants (STPs) of combined capacity 200 CMD for treatment of domestic effluent of 190 CMD.
  - B] The Applicant shall operate the sewage treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

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

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

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	241.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00

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

## SCHEDULE-II

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

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

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
						SPM	-
	DG Set 230			HSD		SO2	-
1	KVA X	Acoustic Enclosure	10.00	38.7 Ltr/Hr	-	NOx	-
	2 Nos					HC	-
						CO	-
	DG Set 200 KVA		10.00	HSD 00 38.7 Ltr/Hr	-	SPM	-
						SO2	-
2		Acoustic Enclosure				NOx	-
						HC	-
						CO	-
						SPM	-
	DG Set			HSD		SO2	-
3	12.5		10.00	24.7 Ltr/Hr	-	NOx	-
	KVA					HC	-
			महाराष्ट्र			CO	-

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

Total Particular matter Not to exceed 150 mg/Nm3	Total Particular matter 🛛 🔨	Not to exceed	150 mg/Nm3	
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- 3) The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacemenalteration well before its life come to an end or erection of new pollution control equipment.
- 4) The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

# 5) Conditions for utilities like Kitchen, Eating Places, Canteens:-

- a) The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
- b) The toilet shall be provided with exhaust system connected to chimney through ducting.
- c) The air conditioner shall be vibration proof and the noise shall not exceed 68 dB(A).
- d) The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. higher than the nearest tallest building through ducting and shall discharge into open air in such a way that no nuisance is caused to neighbors.

SCHEDULE-III Details of Bank Guarantees:						
Sr. No.	Consent(C2E/C 20/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Establish	Rs. 10 Lakh	15 days	Towards Compliance of Consent conditions & O&M of Pollution Control Systems	Up to Commissioning of the project	Up to Commissioning of the project
2	Consent to Establish	Rs. 9.7 Lakhs	15 days	project proponent has started construction activity without obtaining consent to Establish from MPC Board & Environmental Clearance from Competent authority.	Up to Commissioning of the project	Up to Commissioning of the project

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

#### **BG Forfeiture History**

		the second se	A CONTRACTOR AND A CONTRA				
Srno. Consent (C2E/C2O/C2R) Amount of imposed Period of BG Amount of BG Period of BG Forfeiture							
NA							
BG Return details							
Srno. Consent (C2E/C2O/C2R) BG imposed Purpose of BG Amount of BG Returned							
NA							

## SCHEDULE-IV

#### Conditions during construction phase

A	During construction phase, applicant shall provide temporary sewage and MSW treatment and disposal facility for the staff and worker quarters.
В	During construction phase, the ambient air and noise quality shall be maintained and should be closely monitored through MoEF approved laboratory.
С	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.

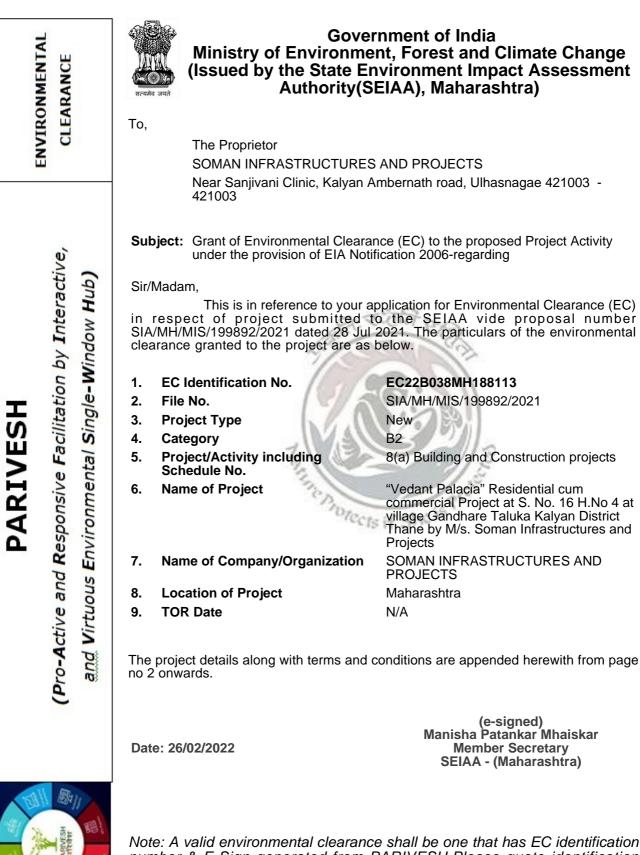
#### **General Conditions:**

- 1 The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2 The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act 1986 and Solid Waste Management Rule 2016, Noise (Pollution and Control) Rules, 2000 and E-Waste (Management & Handling Rule 2011.
- 3 Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 4 Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 5 Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
  - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - f) D.G. Set shall be operated only in case of power failure.
  - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.

- 6 Solid Waste The applicant shall provide onsite municipal solid waste processing system & shall comply with Solid Waste Management Rule 2016 & E-Waste (M & H) Rule 2011.
- 7 Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 8 Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.
- 9 The treated sewage shall be disinfected using suitable disinfection method.
- 10 The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 11 The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.

This certificate is digitally & electronically signed.





Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH.Please quote identification number in all future correspondence.

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#### STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/MIS/199892/2021 Environment & Climate Change Department Room No. 217, 2<sup>nd</sup> Floor, Mantralaya, Mumbai- 400032.

То

M/s. Soman Infrastructures and Projects, S. No. 16 H.No 4 at village Gandhare, Taluka-Kalyan, District Thane.

> Subject : Environment Clearance for "Vedant Palacia" Residential cum commercial Construction Project at S. No. 16 H.No 4 at village Gandhare, Taluka-Kalyan, District Thane by M/s. Soman Infrastructures and Projects

Reference : Application no. SIA/MH/MIS/199892/2021

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC-2 in its 158<sup>th</sup> meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 236<sup>th</sup> (Day-3) meeting of State Level Environment Impact Assessment Authority (SEIAA).

Sr. No	Description	Details				
1	Plot Area	10,090.00 sq.mt				
2	FSI Area	28,082.64 sq.mt				
3	Non-FSI Area	7362.23 sq.mt				
4	Proposed Builtup Area (FSI + Non FSI Area)	35,444.87 sq.r	nt			
		Building Type	Configuration	Height (Mt)		
		Wing A	Stilt+ 1st – 3rd Podium level + 4th to 31st Residential floors	103.75		
5	Building Configuration	Wing A1	Ground + 3 upper Commercial Floors	16.95		
		Wing A2	Ground + 3 upper Commercial Floors	16.95		
		Wing B	Stilt + 32 upper Residential floors	105.60		
		Wing C	Stilt + 25 upper Residential floors	81.20		
		Club House	Ground + 3 floors	16.45		
6	No of Tenements & Shops	Flats: 248 No's Shops Offices: 10 No's				
7	Total Population	Flats: 1240 No's Shops / Offices: 160 No's				

8 7	Total Water requirement	183 KLD				
9 9	Sewage Generation	152 KLD				
111 1	STP Capacity & Technology	175 KLD (MBBR Technology)				
11 8	STP location	Below Ground Level				
	Total Solid waste	Dry Waste	357 Kg/day			
12 1		Wet Waste	233 Kg/day			
<b> </b>	quantities	Total Solid Waste	590 Kg/day			
13 I	RG Area	RG Required: 588.02sq.mt RG Provided: 588.02 sq.mt				
	Power Requirement	During Operation Phase:	120 kW			
		Details				
14   I		Connected Load	7372 KW			
		Demand Load	3399.4 KW			
15 I	Energy Efficiency					
16 I	DG Set Capacity	2 X 230 KVA, 1 X 200 KVA	, 1 X 12.5 KVA			
17 I	Parking 4W & 2 W	4 – Wheelers: 195 No's 2 – Wheelers: 495 No's				
IXI	Rainwater Harvesting Scheme	RWH tank: 56 cum Capacity				
19 I	Project Cost (in Rs.)	97 Cr				
20 1	FMP Coet	Capital Cost-Rs. 119 Lakhs				
20	EMP Cost	O & M Cost- Rs. 18.50 Lak	hs / annum			

3. Proposal is a new construction project. Proposal has been considered by SEIAA in its 236<sup>th</sup> (Day-3) meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

#### A. SEAC Conditions-

- 1. PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
- 2. PP to obtain Water Supply NOC.
- 3. PP to reduce the discharge of treated sewage to 35%. PP to submit NOC from concern authority for use of excess treated water in nearby Garden reservation/ Construction.
- 4. Planning authority to ensure that OC is issued after sewer line/network is made available to the project.

#### B. SEIAA Conditions-

1. EC is restricted for Building A and B to 88.25 m height as per CFO NOC dated 26.10.2021.

- 2. PP to keep open space unpaved so as to ensure permeability of water. However, whenever paving is deemed necessary, PP to provide grass pavers of suitable types & strength to increase the water permeable area as well as to allow effective fire tender movement.
- 3. PP to achieve at least 5% of total energy requirement from solar/other renewable sources.
- 4. PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.
- SEIAA after deliberation decided to grant EC for FSI-28082 m2, Non-FSI-7362.87 m2, Total BUA- 35444.87 m2. (Plan approval-KDMC/NRV/6637, dated-31.01.2022).

#### **General Conditions:**

#### a) Construction Phase :-

- I. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.
- II. Disposal of muck, Construction spoils, including bituminous material 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 the approved sites with the approval of competent authority.
- III. Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
- IV. 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.
- V. Arrangement shall be made that waste water and storm water do not get mixed.
- VI. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.
- VII. The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
- VIII. Permission to draw ground water for construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
  - IX. 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.
  - X. The Energy Conservation Building code shall be strictly adhered to.
- XI. All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- XII. 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.

- XIII. 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.
- XIV. PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.
- XV. 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.
- XVI. PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.
- XVII. Vehicles hired for transportation of Raw material shall strictly comply the emission norms prescribed by Ministry of Road Transport & Highways Department. The vehicle shall be adequately covered to avoid spillage/leakages.
- XVIII. 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.
  - XIX. Diesel power generating sets proposed as source of backup power for elevators and common area illumination during construction 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 is preferred. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
  - XX. 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 by a separate environment cell /designated person.

#### **B)** Operation phase:-

- I. a) The solid waste generated should be properly collected and segregated. b) Wet waste 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. c) Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.
- II. E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
- III. a) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP. b) PP to

give100 % treatment to sewage /Liquid waste and explore the possibility to recycle at least 50 % of water, Local authority should ensure this.

- IV. 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.
- V. The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.
- VI. 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.
- VII. PP to provide adequate electric charging points for electric vehicles (EVs).
- 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. A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- X. 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.
- XI. 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://parivesh.nic.in
- XII. 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.
- XIII. 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.
- XIV. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, NOx (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

#### C) General EC Conditions:-

- I. PP has to strictly abide by the conditions stipulated by SEAC& SEIAA.
- II. If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
- III. 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.
- IV. 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.
- V. 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.
- VI. No further Expansion or modifications, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted to SEIAA for clearance, a fresh reference shall be made to the SEIAA as applicable to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- 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.

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. This Environment Clearance is issued purely from an environment point of view without prejudice to any court cases and all other applicable permissions/ NOCs shall be obtained before starting proposed work at site.

6. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended from time to time.

8. 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.

9. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1<sup>st</sup> Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Manisha Patankar (Member Secretary

Copy to:

- 1. Chairman, SEIAA, Mumbai.
- 2. Secretary, MoEF & CC, IA- Division MOEF & CC
- 3. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
- 4. Regional Office MoEF & CC, Nagpur
- 5. District Collector, .
- 6. Commissioner, Municipal Corporation
- 7. Regional Officer, Maharashtra Pollution Control Board,

EC Identification No. - EC22B038MH188113 File No. - SIA/MH/MIS/199892/2021 Date of Issue EC - 26/02/2022 Page 9 of 9

# ANNEXURES

# "Vedant Palacia"

Residential cum commercial Project at S. No. 16 H. No 4 at village Gandhare, Taluka Kalyan District, Thane.

**PROJECT PROPONENT** 

M/s. Soman Infrastructures and Projects



