GANGA ALTUS

KHARADI, PUNE

EC COMPLIANCES REPORT

Period – JANUARY 2025 – JUNE 2025

EC -. SIA/MH/MIS/244565/2021 dated 30-7-2022

By

GOEL GANGA INDIA PVT LTD

INTRODUCTION AND PROJECT DESCRIPTION

Goel Ganga Group having its address at 3rd Floor San Mahu Complex, 5 Bund Garden Road, Camp, Pune 411001.

Goel Ganga Group having reputation in the real estate market for delivering quality construction for over 42 years and is a responsible organization which places due emphasis on sustainable development and CSR activities. Goel Ganga India Pvt. Ltd receives various certifications that stands testimony to our unflinching professionalism.

Goel Ganga Group is the Pune's first construction Company to receive the ISO 9001 (Quality) Certification, ISO 14001 (Environment) Certification, ISO 45001 (Health & Safety) Certification.

Six monthly environmental compliance/status report for Ganga Altus for JANUARY 2025- JUNE 2025

Project Description- Ganga Altus is the residential and commercial project **Located at Sr No 22/2 P , Plot B1 Kharadi Pune**

Prior Environment Clearance has been obtained from Ministry of Environment & Forests (MoEFCC) wide letter no. **EC -. SIA/MH/MIS/244565/2021 Dated 30-7-2022**

MPCB C TO E – Received

MPCB C TO O (Wing D) – Received

MPCB C TO O (Wing F) – Received

MPCB C TO O (Shops) – Received

MPCB C TO O (Wing E) & Club House – Received

Construction Status as on date -

1. Wing D- OC Received
2. Wing E –Balance Finishing is in progress
3. Wing F – OC Received
4. Shops – Completion Received
5. 2 nos. STP are in operation stage
6. OWC – In Operation stage

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6 Monthly EC Compliances JANUARY 2025- JUNE 2025

Ganga Altus , Kharadi Pune

ANNEXURE 1

Environment Clearance for 'Ganga Altus Kharadi Plot B1 Pune

New EC - SIA/MH/MIS/244565/2021 Dated 30-07-2022

The proposal has been considered by SEIAA in its 246 Th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions::

Sr No		Description
A	SEIAA Conditions	
1.	PP to submit certified compliances report from Regional Office MoEFCC Nagpur	Certified compliances report submitted to environmental department
2.	PP to provide minimum 30% of total parking arrangement with electric charging facility by providing charging points at suitable places	Condition will be compiled with during operation phase
3.	PP to ensure that , the water proposed to use for construction phase should not be drinking water. They can use recycled water or tanker water for proposed construction	Recycled / Treated / Tanker water has been used during construction
B	SEIAA Conditions	
1.	PP to strictly comply with the order of Hon'ble NGT in the Appeal no 34 of 2020 Maharashtra Pollution Control Board to monitor the same.	We have deposited the amount as per NGT Order to MPCB

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.	Noted The condition will be compiled as per requirement
3.	PP to achieve at least 5% of total energy requirement from solar/other renewable sources.	Noted. Solar hot water & Solar PV renewable sources will be provided as per requirement.
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.	The EC condition will be complied with as per Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019
5.	SEIAA after deliberation decided to grant EC for - FSI-41,323.38 m^2, Non-FSI-25,975.40 m^2, Total BUA-67,298.78 m^2. (Plan approval-DPO/CC/0007/22 dated 01.04.2022)	Noted .We are thankful to Environment department for the grant of EC
	General Conditions: a) Construction 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.	1. Agreement executed with SWACH for disposal of dry waste, E waste, wet waste in construction phase **Solid waste:** 1. **Total 24 kg/day** solid wastes will be generated in the project during construction phase and will be

		handed over to authorized agency. 2. Separate dust bin for Wet and Dry Garbage and disposal of wet waste through local authority 3. Construction waste has been used for filling at construction sites. OWC provision for treatment of Biodegradable waste in operation phase. **665 kg/day Bio-degradable waste** will be treated in OWC. **Non – biodegradable waste: 498 kg/day** generated which will be handed over to Authorized Vendor. 4. Top Soil has been used for landscaping STP sludge will be used as manure in operation phase. **Sewage:** 1. **STP of 265kld&45kld capacity** shall be provided for treatment of sewage. Wastewater generated will be treated and utilized for gardening and flushing Sewage sludge: 10 kg/day will be used as organic manure.
2.	Disposal of muck, Construction spoils, including bituminous material during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in the approved sites with the approval of	Excavated material has been used within site premises and other sites for backfilling and not creates any adverse effect on the neighboring communities. During disposal the necessary precaution will be taken for general safety and health aspects of people, Scrap Steel has been send to authorized vendor

	competent authority.	
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.	No Hazardous material has been generated at site . if generated the same will be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board. There is No storage of Diesel at site as site is within city area and petrol pump is within 1 km from site. Empty containers of oil , grease, paints has been returned to vendor immediately after use **Agreement with Swach for disposal of E waste and Dry waste**
4.	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	Adequate drinking water and sanitary facilities has been provided for construction workers .Care has been taken for Safe disposal of wastewater and solid waste **1.Total No of Hutments - 61 Nos** **.Total No of toilets -14 Nos ,Septic**

		Tank -1 Nos 2.Drinking water facility Tank 5000 lit 3 No 3.Labour Insurance policy 4 First Aid facility 24*7 5. STP facility in operation stage . 6.Septic tank For Toilets and regular cleaning of Septic Tank through vendor / PMC 7. Use of STP sludge as manure in Operation phase 8. Regular Cleaning of toilets and labour colony. 9. Agreement executed with SWACH for disposal of dry waste, E waste, wet waste . 10. Seperate dust bin for Wet and Dry Garbage and disposal of wet waste through OWC in operation phase 11.Construction waste has been used for filling at construction sites.
5.	Arrangement shall be made that waste water and storm water do not get mixed.	The same will be taken in design and planning. Natural water drainage pattern: As per contour . There will not be any change in the drainage pattern. It will be improved by well planned development

6.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.	Water demand during construction has been reduced by use of pre-mixed concrete, using Ponding of slab , Using Gunny Bags during curing , and other best practices referred.
7.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	**CGWA permission has been obtained** Rain water harvesting facility will be provided to improve ground water level. **5No Of recharge Pits - 1.8 x 1.8 x 2.5 m depth and recharge bore of 60 m depth** Tanker water has been used for construction.
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.	CGWA NOC has been obtained to comply with the mentioned condition. During Construction Tanker water has been used during construction.
9..	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.	The low flow fixtures has been planned for shower, toilet flushing and drinking purpose. Will be complied as per requirement at the time of occupation

10.	The Energy Conservation Building code shall be strictly adhered to.	LED bulbs lamps has been used in construction phase . LED bulbs will be used for outdoor and common area lighting for energy conservation in operation phase. LED will be properly collected and disposed off/sent for recycling from authorized vendor as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination . The design of buildings is such that adequate Natural light and air will be available in Building.. Energy Efficient Electrical Appliances & equipment are selected . Solar water heating system will be planned in operation phase . **Operation phase As per EC :** • Connected load = 3436.18 kW • Maximum demand=1475.95 kW Source: MSEDCL **Energy Conservation Measures -** Auto Timer control for external & Common lighting • Use of LED lamps in all public/ common areas. • Solar powered water heating. & PV Cells • Electronic V3F Drives for Elevators Solar PV based renewable energy system is being planned
11.	All the topsoil excavated during construction activities should be	Top soil from construction site stored safely and the same will be used for horticulture / landscape development

	stored for use in horticulture/landscape development within the project site.	within the project site
12.	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	Additional soil for leveling of the proposed site will be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
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 and water sample testing has been carried out at regular interval. There are no traces of heavy metals in soil
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.	This condition shall be complied with.
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 ad noise emission standards.	DG set at site confirms the Air and Noise emission standards . **In construction Phase - DG SET – 82.5 KVA -1 NO, 380 KVA -1 NO & 320 KVA -1 NO** **In Operation Phase as Per EC -**

		400 kVA X 1 nos.,380 kVA X 1 no
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.	This condition shall be complied with.
17	Vehicles hired for transportation of Raw materials shall strictly comply the emission norms prescribed by Ministry of Road Transport & Highways Department. The vehicle shall be adequately covered to avoid spillage/leakages.	Vehicles for bringing construction material to the site are in good condition and operated in non peak hours and pollution check certificate duly checked before using the vehicles at 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.	Ambient noise levels has been conform to residential standards both during day and night Ambient Noise and Air quality level has been closely monitored during construction phase. Noise generation from construction equipment's used for drilling, cutting operations. All DG sets will be covered by acoustic encasements as per statutory rules and will conform to noise standards. The dg sets will be mounted on anti-vibration mounts to reduce the impacts of vibration. Adequate measures are taken to reduce the Noise and Air level during

		construction phase. ➢ eg constructing Compound wall surrounding the periphery of plot . ➢ Operation of vehicle in non peak hour. ➢ Using Latest technology in construction with Mechanization eg**Aluform Technology to reduce the noise**. ➢ Using the low noise generating equipments during construction work ➢ By using crane for transportation of material steel and shuttering material to minimize the Noise ➢ Keeping the Noisy equipments, pumps away as far as possible from nearby Buildings ➢ Use of electrically powered equipments instead of diesel power equipments ➢ By using ready to use material at site during construction ➢ By close supervision at site By Switching of the equipments when not in use

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	Enclosed type of DG set has been installed during Construction and will be installed during operation phase as source of backup power for elevators and common area illumination during operation phase. Testing of stack emission , Noise level has been carried out through authorized vendor . DG confirm to rules made under the Environment (Protection) Act, 1986 A Stack with adequate height is provide to DG set for exhaust **In construction Phase - DG SET – 82.5 KVA -1 NO, 380 KVA -1 NO & 320 KVA -1 NO** **In Operation Phase as Per EC - 400 kVA X 1 nos.,380 kVA X 1 no**
20	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase	Regular supervision of the above and other measures is carried out throughout the construction activity by experienced staff to avoid the disturbance.
	B) Operation 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	5. Agreement executed with SWACH for disposal of dry waste, E waste, wet waste in construction phase **Solid waste:** 1. **Total 24 kg/day** solid wastes will be generated in the project during construction phase and will be handed over to authorized agency. 6. Separate dust bin for Wet and Dry

	premises. c) Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.	Garbage and disposal of wet waste through local authority 7. Construction waste has been used for filling at construction sites. OWC provision for treatment of Biodegradable waste in operation phase. **665 kg/day Bio-degradable waste will be treated in OWC. Non – biodegradable waste: 498 kg/day** generated which will be handed over to Authorized Vendor. 8. Top Soil has been used for landscaping STP sludge will be used as manure in operation phase. **Sewage:** 2. **STP of 265kld& 45kld** capacity shall be provided for treatment of sewage. Wastewater generated will be treated and utilized for gardening and flushing Sewage **sludge: 36.2 kg/day** will be used as organic manure in operation phase
2.	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	Agreement executed with SWACH for disposal of dry waste, E waste, wet waste in construction phase
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	**STP Construction has been completed .** Condition will be complied as per requirement during operation phase. Treated effluent emanating from STP will be recycled/refused to the

	Environment department before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ refused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made be mitigate the 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.	maximum extent possible and discharge unused treated affluent, in the sewer line. Necessary measures should be made to mitigate the odour problem from STP. As per EC In operation Phase -2 Nos of STPs, Residential and Commercial: 265 KLD, 45 KLD **Total Water Requirement in operation phase - 337 KLD** Fresh Water- 214Kld Flushing -103Kld Gardening -20Kld
4.	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the building. 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.	STP, MSW disposal facility, green belt development will be complied prior to occupation of the buildings and OWC provision for treatment of Biodegradable waste in operation phase. **665 kg/day** Bio-degradable waste will be treated in OWC. Non – biodegradable waste:**498 kg/day** generated which will be handed over to Authorized Vendor. Top Soil has been used for landscaping STP sludge will be used as manure in operation phase. **Sewage:** **STP of 265kld& 45kld capacity** shall be provided for treatment of sewage. Wastewater generated will be treated

		and utilized for gardening and flushing Sewage sludge: 10 kg/day will be used as organic manure. **RG area -1365.24Sqm** **No Of trees Proposed - 176Nos** No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional and after obtaining Prior certification from appropriate authority.
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.	Local authority will issue Occupancy Certificate after ensuring sufficient availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per Environment norms. Building 'F' –OC Received
6.	Traffic congestion near the entry and exit points from the roads adjoining the proposed projects site must be avoided. Parking should be fully internalized and no public space should be utilized.	Security personnel's has been and will be appointed at entry and exit point to avoid traffic congestion in construction and Operation stage. Provided parking area within project site. Parking will be fully internalized and no public space will be utilized
7.	PP to provide adequate electric charging points for electric vehicles (EVs)	Adequate electrical charging points / Station are provided.

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.	Green belt development will be done as per the CPCB guide lines, indigenous species are selected for the plantation **- RG area -1365.24Sqm** **No Of trees Proposed - 176Nos**
9.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Environment management cell with qualified staff has been appointed for implementation and monitoring environment safeguards in operation stage.
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.	Separate funds will be allocated for implementation of environmental protection measures Environment protection measures are implemented at site and the same has been adhere to. **Environmental Management plan Budgetary Allocation as mentioned in EC**

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 be seen at Website at http://parivesh.nic.in.	Ref attached copy of News Paper advertising
12.	Project management should submit half yearly compliance reports is respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1 st June & 1 st December of each calendar year.	Report attached herewith and same will be submitted to MPCB an Environment department in respect of the stipulated prior environment clearance terms and conditions in hard copies .
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	A copy of the clearance letter will be sent by proponent to the concerned Municipal Corporation. The clearance letter will also be put on the website of the Company.

	clearance letter shall also be put on the website of the company by the proponent.	
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 emission) 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.	Status of compliance of the stipulated EC conditions, and results of monitored data sent to MOEF and MPCB. .The criteria pollutant levels monitored and displayed at site in the public domain

	General EC Conditions		
1.	PP has to strictly abide by the conditions stipulated by SEAC& SEIAA	Noted.	
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 the Environment Department before start of any construction work at the site.	**Consent To Establish & Part C to O have been obtained** as per EC Received under the provisions of Air (Prevention & Control of Pollution) Act. 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	
3.	Under the provision of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Construction of the project has been started after obtaining EC. Revised EC Received dated- 30-07-2022 – SIA/MH/MIS/244565/2022 **MPCB C TO E – Format1.0/JD (WPC)/UAN No.0000143931/CE/2301000215 dated 2-1-2023** • **C to E(Expansion) : Received** • **C to O (Wing D): Received** • **C to O (Wing F): Received** • **C to O (Shops): Received** • **C to O (Shops) Renewal: Received**	
4.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC condition 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.	6 month compliances submitted herewith and also submitted to MOEF and MPCB regional office and Condition will be complied on regular basis. RO Visit Done and RO compliances report received	

5.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall be 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 be e-mail.	Please find attached Form V for Financial year **2024-25** to and MOEF and MPCB	
6.	No further Expansion or modification, 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.	Noted.	
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.	Project is not located in any Forest area .NOC from Forestry & Wild life and clearance from the standing committee of the National Board for Wild life is not required.	

Ganga Altus EC Compliances JANUARY 2025-JUNE 2025		
New EC - SIA/MH/MIS/244565/2021 Dated 30-07-2022		
Standard EC Conditions for Project/Activity 8(a/b): Building and Construction projects / Townships and Area Development projects as per Notification dated 4-1-2019		
	I. Statutory 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.	**EC has been obtained - SIA/MH/MIS/244565/2021 Dated 30-07-2022**
ii	The approval of the Competent Authority shall be obtained for **structural safety of buildings** due to earthquakes, adequacy of fire fighting equipment etc as per National Building Code including protection measures from lightening etc.	The approval from Lisioned Structural Engineer for structural safety of buildings as per National Building Code
iii	The project proponent shall obtain **forest clearance** under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Project is not located in forest Area so Forest NOC is not required
iv	The project proponent shall obtain **clearance from the National Board of ' Wildlife, if applicable**.	Project is not located in National wildlife demarcated Area so clearance from the National Board of ' Wildlife is not required
v	The project proponent shall obtain **Consent to Establish/ Operate** under the provisions of Air (Prevention & Control of Pollution) Act. 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	**Consent to Establish & Part C to O have been obtained** under the provisions of Air (Prevention & Control of Pollution) Act. 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee

		• **C to E(Expansion) : Received** • **C to O (Wing D): Received** • **C to O (Wing F): Received** • **C to O (Shops): Received** • **C to O (Shops) Renewal: Received**
vi	The project proponent shall obtain the **necessary permission** for drawal of ground water/surface water required for the project from the competent authority.	**CGWA NOC** has been obtained to comply with the mentioned condition. During Construction Tanker water has been used during construction
vii	A certificate or adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.	Adequate power supply is available for the project. LED bulbs lamps will be used in construction phase. LED bulbs will be used for outdoor and common area lighting for energy conservation in operation phase.
viii	All other statutory **clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department** shall be obtained, as applicable, by project proponents from the respective competent authorities.	All required approval will be complied with . There is No storage of Diesel at site as site is within city area and petrol pump is within 1 km from site.
ix	The provisions of the **Solid Waste (Management) Rules, 2016, E-Waste** (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.	Agreement with Swach for collection and disposal of solid waste and E waste

x	The project proponent shall follow the **ECBC**/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.	The same is taken care in design and will be complied with

	II. Air quality monitoring and preservation	
i	Notification GSR 94(E) dated 25.01.2018 of MoEF& CC regarding Mandatory Implementation of **Dust Mitigation Measures** for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.	**Construction phase** Fugitive dust emissions will be generated due to movement of vehicles and material handling. Odour may be there from diesel emissions from vehicles and construction machinery. **Operation phase** During operation phase, emissions will be generated from operation of dg sets. In case of malfunction of STP odour may be emitted. Adequate mitigation plans are prepared for such problems. **Mitigation Measures:** 1. The traffic congestion will be avoided by proper parking arrangement and maintaining smooth traffic flow 2. Regular PUC checkup for vehicles 3. CPCB approved DG sets only will be used. 4. Proper maintenance of DG sets shall be done and Low Sulphur fuel will be used. 5. Plantation of trees which will act as noise and dust buffer 6. Use of Latest technology for construction 7. Use of polymeric spray for dust suppression instead of water wherever possible 8. Curing water shall be sprayed on concrete structures, free flow of water shall not be allowed for curing 9. Use of wet jute cloth/gunny bags instead of water spray for curing activity. 10. Provision of Barricades of

		adequate height along the periphery of the site 11. Use of covering sheets while transporting the material 12. Slab ponding 13. Use of RMC
ii	A **management plan** shall be drawn up and implemented to contain the current **exceedance in ambient air quality at the site.**	Management Plan is prepared to maintain the ambient Air quality 1. Construction site is adequately barricaded before the construction begins. 2. Dust mask provided for labours 3. Watering to avoid dust 4. All vehicles carring construction material are covered with tarpaulin to avoid dust emission.. 5. Sand. muram, loose soil. cement, stored on site are covered adequately so as to prevent dust pollution.
iii	The project proponent shall install system to carryout **Ambient Air Quality monitoring for commo**n/criterion parameters relevant to the main pollutants released (e.g. PM_{10} and $PM_{2.5}$) covering upwind and downwind directions during the construction period.	Ambient Air quality testing will be carriedout and reports submitted in Six monthly compliances to MOEF and MPCB

iv	**Diesel power generating sets** proposed as source of backup power 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 of low sulphur diesel. The location of the DG sets may be decided with in consultation with Slate Pollution Control Board.	Enclosed type of DG set will be installed during Construction and will be installed during operation phase as source of back up power for elevators and common area illumination during operation phase. Testing of stack emission , Noise level will be carried out through authorized vendor . A Stack with adequate height will be provide to DG set for exhaust **In construction Phase - DG SET – 82.5 KVA -1 NO, 380 KVA -1 NO & 320 KVA -1 NO** **In Operation Phase as Per EC - 400 kVA X 1 nos.,380 kVA X 1 no**
v	**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, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.	1. Construction site is adequately barricaded before the construction begins. 2. Dust mask provided for labours 3. Watering to avoid dust 4. All vehicles carring construction material is covered with tarpaulin to avoid dust emission.
vi	Sand. murram, loose soil. cement, stored on site shall be covered adequately so as to **prevent dust pollution.**	Sand. muram, loose soil. cement, stored on site will be covered adequately so as to prevent dust pollution.
vii	**Wet jet** shall be provided for grinding and stone cutting.	Wet jet will be used for grinding and stone cutting.
Viii	Unpaved surfaces and loose soil shall be adequately sprinkled with water to **suppress dust**.	Unpaved surfaces and loose soil are adequately sprinkled with water to suppress dust during construction phase .

ix	**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.	Solid waste during the construction phase would comprise mainly the excavated earth, concrete debris, steel scrap, scrap from/of insulation material for air-conditioning and packaging material. Cement bags, waste paper and cardboard packing material will be sold off to recyclers. Unusable steel scrap will also be collected at site and sold to recyclers. Excavated earth and construction debris will be disposed as per debris management plan
X	**The diesel generator** sets to be used during construction phase shall be low sulphur diesel type and shall confirm to Environmental (Protection) prescribed for air and noise emission standards.	DG set at site confirms the Air and Noise emission standards . A Stack with adequate height will be provide to DG set for exhaust **In construction Phase - DG SET – 82.5 KVA -1 NO, 380 KVA -1 NO & 320 KVA -1 NO** **In Operation Phase as Per EC - 400 kVA X 1 nos.,380 kVA X 1 no**
xi	**The gaseous emissions from DG set** shall be dispersed through adequate stack height as per MPCB standards. Acoustic enclosure shall be provided to the DC; sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DO set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board MPCB norms.	Enclosed type of DG set will be installed during Construction and will be installed during operation phase as source of back up power for elevators and common area illumination during operation phase. A Stack with adequate height will be provide to DG set for exhaust
xii	For **indoor air quality** the ventilation provisions as per National Building Code of India.	The same is taken care in design

	III. Water quality monitoring and preservation	
I	**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.	Care will be taken in design to maintain natural drain system to ensure unrestricted flow of water. Landscaping and Rain water Harvesting is proposed in operation phase for water harvesting. **In Operation Phase -** **Qty. and size of recharge pit - 5 (1.8 m x 1.8 m x 2.5 m depth - 60 m BGL)** There will not be any change in the drainage pattern. It will be improved by well planned development.
ii	**Buildings shall be designed to follow the natural topography** as much as possible. Minimum cutting and filling should be done.	The same is incorporated in design and building is designed as per natural topography for minimum cutting and filling .
iii	**Total fresh water use** shall not exceed the proposed requirement as provided in the project details.	Total fresh water use will not exceed the proposed requirement as provided in the project details Water Saving measures are adopted in Construction and operation phase such as Use of Low Flow Fixtures, Use of Treated STP water for Flushing and Gardening, Use of Ponding and Gunny Bags for curing etc. **As per EC In operation Phase -1 No of STP 265 KLD +45 KLD** **Total Water Requirement in operation phase - 337 KLD** Fresh Water- 214 Kld Flushing -103 Kld Gardening -20 Kld

iv	**The quantity of fresh water usage. water recycling and rainwater harvestin**g 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.	Requirement of Fresh water, Water Used for Flushing and Landscaping is as per mentioned in EC. The payment will be made to local authority in form of Water Tax which is included in property Tax after completion. Rain water harvesting report is annexed for reference. **In Operation Phase -** Qty. and size of recharge pit - 5 (1.8 m x 1.8 m x 2.5 m depth - 60 m BGL) **As per EC In operation Phase -1 No of STP 265 KLD +45 KLD** capacity shall be provided for treatment of sewage. Wastewater generated will be treated and utilized for gardening and flushing Sewage sludge: 36.2 kg/day will be used as organic manure. **As per EC In operation Phase -1 No of STP 265 KLD +45 KLD** **Total Water Requirement in operation phase - 337 KLD** Fresh Water- 214 Kld Flushing -103 Kld Gardening -20 Kld
v	**A certificate shall be obtained from the local body supplying water**, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.	Water NOC has been obtained from local body . No Ground water is used for construction. Tanker water is used for construction. **As per EC In operation Phase -1 No of STP 265 KLD +45 KLD** capacity shall be provided for treatment of sewage. Wastewater generated will be treated and utilized for gardening and flushing Sewage **sludge: 36.20 kg/day** will be used as organic manure. **Total Water Requirement in operation phase - 337 KLD** Fresh Water- 214 Kld Flushing -103 Kld Gardening -20 Kld

Vi	At least 20% of the **open spaces** as required by the local building bye-laws shall be pervious, Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.	The condition is taken care in design as per prevailing rules.
Vii	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.	Installation of dual pipe plumbing for supply of 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. is provided. **Single stack system with recirculation lines for flushing will be provided**
Viii	**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.	Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) are selected for water conservation. the same is taken cate in design and implemented in operation phase.
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.	The separation of gray and black will be taken care in design and will be complied before occupation. Installation of dual pipe plumbing for supply of 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. is provided. **Single stack system with recirculation lines for flushing will be provided**.
X	**Water demand during construction should be reduced**bv use of pre-mixed concrete, curing agents and other best practices referred.	Water demand during construction will be reduced by use of pre-mixed concrete, using Ponding of slab , Using Gunny Bags during curing , and other best practices referred

xi	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. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.	Rain water Harvesting is proposed in operation phase **In Operation Phase -** Qty. and size of recharge pit - 5 (1.8 m x 1.8 m x 2.5 m depth - 60 m BGL)
Xii	**A rain water harvesting plan** needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.	Recharge survey/ Rain water Harvesting survey and plan will be carried out and the condition is complied in operation phase **In Operation Phase -** Qty. and size of recharge pit - 5 (1.8 m x 1.8 m x 2.5 m depth - 60 m BGL) There is no withdrawal of ground water
Xiii	**All recharge** should be limited to shallow aquifer.	Recharge survey will be carried out and the condition is complied in operation phase
Xiv	**No ground water shall be used** during construction phase of the project.	No ground water will be used during construction phase of the project Tanker water is used for construction.
Xv	Any **ground water dewatering** should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.	No ground water will be used during construction phase of the project Tanker water is used for construction.**CGWA permission has been obtained**

Xvi	**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.	The condition will be complied in operation phase Ref attached water balance as per EC No Ground water is used for construction. Tanker water is used for construction. **In Operation Phase -** Qty. and size of recharge pit - 5 (1.8 m x 1.8 m x 2.5 m depth - 60 m BGL) **As per EC In operation Phase -1 No of STP 265 KLD+45 KLD** capacity shall be provided for treatment of sewage. Wastewater generated will be treated and utilized for gardening and flushing Sewage sludge: 36.2 kg/day will be used as organic manure. **Total Water Requirement in operation phase - 337 KLD** Fresh Water- 214 Kld Flushing -103 Kld Gardening -20 Kld **Ref attached Test Reports**
Xvii	**Sewage shall be treated in the STP** with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make lip water and gardening. As proposed, no untreated water shall be disposed in to municipal drain.	**As per EC In operation Phase -1 No of STP 265 KLD +45 KLD** capacity shall be provided for treatment of sewage. Wastewater generated will be treated and utilized for gardening and flushing Sewage **sludge: 36.2 kg/day** will be used as organic manure.
Xviii	**No sewage or untreated effluent water would be discharged through storm water drains.**	This condition is taken care in design that No sewage or untreated effluent water would be discharged through storm water drains.

Xix	**Onsite sewage treatment of capacity of treating 100% waste water** to be installed. 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. Treated waste water shall be reused on site for landscape, flushing, cooling tower and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.	Condition will be complied as per requirement during operation phase . **As per EC In operation Phase -1 No of STP 265 KLD +45 KLD** capacity shall be provided for treatment of sewage. Wastewater generated will be treated and utilized for gardening and flushing Sewage **sludge: 36.20 kg/day** will be used as organic manure. Necessary measures should be made to mitigate the odour problem from STP. Septic tank Provision In Construction phase for Toilet
Xx	**Periodical monitoring of water quality** of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from S'I'P.	Periodical monitoring of water quality of treated sewage will be conducted in construction & operation phase and Necessary measures will be taken to mitigate the odour problem from S'I'P. Ref Test Reports
Xxi	**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.	Sludge from the onsite sewage treatment. Will be Collected and used as a manure for landscape in operation phase **As per EC In operation Phase -1 No of STP 265 KLD +45 KLD** capacity shall be provided for treatment of sewage. Wastewater generated will be treated and utilized for gardening and flushing Sewage sludge: 36.2 kg/day will be used as organic manure.

	IV. **Noise monitoring and prevention**	
i	**Ambient noise levels** shall conform to residential area/commercial area/industrial area/silence zone 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.	Ambient noise levels will be conform to residential standards both during day and night Ambient Noise and Air quality levelwill be closely monitored during construction phase. Noise generation from construction equipment's used for drilling, cutting operations. All DG sets will be covered by acoustic encasements as per statutory rules and will conform to noise standards. The dg sets will be mounted on anti-vibration mounts to reduce the impacts of vibration. Adequate measures will be taken to reduce the Noise and Air level during construction phase ➢ eg constructing Compound wall surrounding the periphery of plot . ➢ Operation of vehicle in non peak hour. ➢ Using Latest technology in construction with Mechanization. ➢ Using the low noise generating equipments during construction work ➢ By using crane for transportation of material steel and shuttering material to minimize the Noise ➢ Keeping the Noisy equipments, pumps away as far as possible from nearby Buildings ➢ Use of electrically powered equipments instead of diesel power equipments ➢ By using ready to use material at site during construction ➢ By close supervision at site ➢ By Switching of the equipments

		when not in use
li	**Noise level survey** shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Noise level testing is carried out as per the prescribed guidelines and report will be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.**Ref attached Test Reports**
lii	**Acoustic enclosures for DG sets**, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.	Acoustic enclosures are provided for DG sets, Ear plugs are provided for operating personnel to avoid impact due to noise .**Other measure are**– 1. Ambient noise levels will be conform to residential standards both during day and night. 2. Ambient Noise level will be closely monitored during construction phase. 3. Adequate measures are taken to reduce the Noise during construction phase .

	V. Energy Conservation measures	
i	**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.	The same is taken care in design
Ii	**Outdoor and common area lighting shall be LED.**	Outdoor and common area lighting LED lights are planned in Outdoor and common area lighting in construction and operation phase
Iii	**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 same is / will be taken care in design
Iv	**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.	LED bulbs lamps will be used in construction phase . LED bulbs will be used for outdoor and common area lighting for energy conservation in operation phase. The design of buildings is such that adequate Natural light and air will be available in Building.. Energy Efficient Electrical Appliances & equipment are selected . Solar water heating system will be planned in operation phase .

X	**Solar,** wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.	The design of buildings is such that adequate Natural light and air will be available in Building.. Energy Efficient Electrical Appliances & equipment are selected. **Energy Conservation Measures -** Auto Timer control for external & Common lighting • Use of CFL / LED lamps in all public/ common areas. • Solar PV Cells • Electronic V3F Drives for Elevators Solar PV based renewable energy system is being planned
Vi	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 heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.	Solar water heating system will be planned in operation phase . Solar PV based renewable energy system is being planned **Energy Conservation Measures -** Auto Timer control for external & Common lighting • Use of CFL / LED lamps in all public/ common areas. • Solar PV Cells • Electronic V3F Drives for Elevators

	VI. Waste Management	
i	A certificate from the competent authority handling **municipal solid wastes,** indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.	Agreement executed with SWACH for disposal of dry waste, E waste, wet waste in construction phase **Solid waste:** 1. **Total 24 kg/day solid wastes** will be generated in the project during construction phase and will be handed over to authorized agency. 1. Separate dust bin for Wet and Dry Garbage and disposal of wet waste through local authority 2. Construction waste will be used for filling at construction sites. OWC provision for treatment of **Biodegradable waste in operation phase. 665 kg/day** Bio-degradable waste will be treated in OWC. **Non – biodegradable waste: 498 kg/day** generated which will be handed over to Authorized Vendor. 3. Top Soil will be used for landscaping STP sludge will be used as manure in operation phase. **Sewage:** 1. **STP of 265 Kld+ 45 klDcapacity** shall be provided for treatment of sewage. Wastewater generated will be treated and utilized for gardening and flushing Sewage **sludge: 36.2 kg/day** will be used as organic manure.
Ii	**Disposal of muck during construction** phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and	Excavated material will be used within site premises to the extent possible and other sites for backfilling and not creates any adverse effect on the neighboring communities. During

	health aspects of people, only in approved sites with the approval of competent authority.	disposal the necessary precaution will be taken for general safety and health aspects of people. Scrap Steel will be send to authorized vendor
Iii	**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.	Separate wet and dry bin will be provided in each unit and at the ground level for facilitating segregation of waste in operation phase . Separate wet and dry bin are provided in construction phase also. Solid waste will be segregated into wet garbage and inert materials before treatment and disposal .
Iv	**Organic waste compost/** Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.	OWC provision for treatment of **Biodegradable waste in operation phase. 665 kg/day** Bio-degradable waste will be treated in OWC. **Non – biodegradable waste: 498kg/day** generated which will be handed over to Authorized Vendor. Top Soil will be used for landscaping STP sludge will be used as manure in operation phase.
V	All non-biodegradable waste shall be handed over to authorized recyclers for which a **written tie up must be done with the authorized recyclers.**	Agreement executed with SWACH for disposal of dry waste, E waste. Seperate dust bin for Wet and Dry Garbage
Vi	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 material will begenerated at site .if generated the same will be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board. There is No storage of Diesel at site as site is within city area and petrol pump is within 1 km from site.Empty containers of oil , grease, paints will be returned to vendor immediately after use. Scrap Steel will be send to authorized vendor Agreement with Swach for disposal of E waste

vi	**Use of environment friendly materials** in bricks, blocks and other construction materials, shall be required fix 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.	Environment friendly materials are used during construction such as FlyAsh Bricks for Retaining wall , AAC blocks for wall , earth bricks for water proofing etc
vii	**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.	Fly ash is used as building material RCC as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003 and 25th January, 2016 . Ready mixed concrete is used in building construction.
viii	Any **wastes from construction and demolition activities** related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.	Solid waste during the construction phase would comprise mainly the excavated earth, concrete debris, steel scrap, scrap from/of insulation material for air-conditioning and packaging material. Cement bags, waste paper and cardboard packing material will be sold off to recyclers. Unusable steel scrap will also be collected at site and sold to recyclers.
Ix	**Used CFLs and TFLs should be properly collected and disposed**off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.	Used CFLs will be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.Agreement with Swach for disposal of E , Dry Waste

	VII. Green Cover	
I	**No tree can be felled/transplant unless exigencies demand**. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).\	**Tree NOC has been obtained**.
Ii	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. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.	This criteria is taken care in design of landscaping .Native species are planned in landscaping. **- RG area -1365.24 Sqm** **No 0f trees Proposed – 176 Nos**
Iii	Where the **trees need to be cut with prior permission from the concerned local Authority, compensatory** plantation in the ratio of 1: 10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.	Tree Cutting Permission has been obtained. Green belt development will be carried out as per the details provided in EC.
Iv	**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 stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.	Top soil from construction site stored safely and the same will be used for horticulture / landscape development within the project site to the extent possible .

	VIII. Transport	
I	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.	The same is taken care in project design
ii	a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.	The same is taken care in project design. Footpath, Drive ways are as per Standard design guidelines.
iii	b. Traffic calming measures.	Security personnel's will be and will be appointed at entry and exit point to avoid traffic congestion in construction and Operation stage. Provided parking area within project site. Parking will be fully internalized and no public space will be utilized.
	c. Proper design of entry and exit points.	Proper design of entry and exit points to avoid conjunction
	d. Parking norms as per local regulation.	Parking norms as per local regulation are followed.
iv	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.	Vehicles for bringing construction material to the site are in good condition and operated in non peak hours and pollution check certificate duly checked before using the vehicles at site

v	**A detailed traffic management and traffic decongestion plan** shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall he duly validated and certified by the State Urban Development department and the P.W.D/ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.	A detailed traffic management and traffic decongestion is taken care . Security personnel's will be and will be appointed at entry and exit point to avoid traffic congestion in construction and Operation stage. Provided parking area within project site. Parking will be fully internalized and no public space will be utilized.

	IX. Human health issues	
I	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.**	Dust Masks are provided for labours working in loading, unloading, carriage of construction material and construction debris shifting areas.
Ii	For **indoor air quality** the ventilation provisions as per National Building Code of India.	Indoor air quality ,Movement of fresh air and passage of natural light, air and ventilation will be taken care in Design as per National Building Code of India.
Iii	Emergency preparedness plan based on the **Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan** shall be implemented.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan is prepared and implemented.
Iv	Provision shall be made for the **housing of construction labour** within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creches etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Housing Facilities is provided for Construction workers with all necessary infrastructure and facilities within the site area. Sanitary facilities and hygienic measures are provided in labor colony. Cleanliness is maintained throughout the project site. 1. **Total No of Hutments - 61Nos** 2. **Total No of toilets with Septic Tank -14Nos** 3. Drinking water facility at labour colony 5000 lit 3 tanks 4. Labour Accident Insurance and workman Compensation policy 5. First Aid facility 24*7 at site and 6. Tie up with local Hospitals for emergency During the construction period 7. Aadequate precaution will be taken to avoid stagnation of water to avoid mosquito breeding.

		8. Labours will be provided with purified water to avoid spread of waterborne diseases. 9. Contamination of ground water will be avoided through proper drainage and housekeeping surface runoffs will be secured by efficient flow management.
V	**Occupational healthsurveillance ofthe workers** shall be done on a regular basis.	Health camp is arranged on regular intervals for labours and staff .Workmen Compensation Policy and Accident Insurance policy is provided by company
Vi	**A First Aid Room** shall be provided in the project both during construction and operations of the project.	24*7 First Aid facility is available for labours and staff . Also Tie up with local hospitals during emergency. Workmen Compensation Policy and Accident Insurance policy is provided by company

	X. Corporate Environment Responsibility	
I	The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.	The same will be complied with
Ii	The company shall have a well laid down **environmental policy duly approved by the Board of Directors**. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms conditions. The company shall have defined system of reporting infringements / deviation /violation of the environmental /forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF& CC as a part or six-monthly report.	Company have Environment Policy duly approved by the Board of Directors with all necessary checks for Environment, Safety and Quality .
Iii	**A separate Environmental Cell** both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	A separate Environmental Cell with qualified personnel is deployed under the control of senior Executive.
Iv	**Action plan for implementing EMP and environmental conditions** along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the six Monthly Compliance Report.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company is prepared and submitted to authority .

	XI. Miscellaneous	
I	The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project will be accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.	**The condition is complied with.**
Ii	The **copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies**, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Noted
Iii	The project proponent shall **upload the status of compliance** of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	The status of six monthly compliance of the stipulated environment clearance conditions and results of monitored data will be updated regularly after submission of compliances to MOEF ad MPCB and Acknowledgment is displayed on website
Iv	The project proponent shall submit **six-monthly reports** and the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	six-monthly reports and the status of the compliance of the stipulated environmental conditions will be submitted to MOEF and MPCB with Six monthly compliances report Ref annex
V	The project proponent shall submit the environmental statement for each financial year in **Form- V to** the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Environmental statement for financial year in **Form- V** will be submitted to MOEF and MPCB with Six monthly compliances report and acknowledgement is displayed on company website Ref annex

Vi	The project proponent shall **inform the Regional Office as well as the Ministry**, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	The project proponent informed the Regional Office as well as the Ministry, regarding commencement date of project, approval received for project in six monthly compliances report submitted periodically .
Vii	The project **authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.**	The project proponent is abiding and will abide and adhere the stipulations made by the State Pollution Control Board and the State Government.
Viii	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	The project proponent is abiding and will abide all the commitments and recommendations made in the EIA/EMP report.
Ix	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF& CC).	Noted
X	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
Xi	The Ministry may revoke or suspend the clearance. if implementation of any of the above conditions is not satisfactory.	Noted
Xii	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted

Xiii	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	The project authorities will give full cooperation to the officer(s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
Xix	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Tran boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India High Courts and any other Court of Law relating to the subject matter.	Noted
Xx	Any appeal against this EC 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

ENVIRONMENTAL CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environmental Single-Window Hub)

Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment Authority(SEIAA), Maharashtra)

To,

The Director

GOEL GANGA INDIA PRIVATE LIMITED

3rd floor San Mahu Complex, Bund Garden Road, Opp. Poona club camp Pune 411001 -411001

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/MH/MIS/244565/2021 dated 13 Dec 2021. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC22B038MH159694**
2.	**File No.**	SIA/MH/MIS/244565/2021
3.	**Project Type**	Expansion7
4.	**Category**	B2
5.	**Project/Activity including Schedule No.**	8(a) Building and Construction projects
6.	**Name of Project**	Ganga Altus by M/s Goel Ganga India Pvt. Ltd.
7.	**Name of Company/Organization**	GOEL GANGA INDIA PRIVATE LIMITED
8.	**Location of Project**	Maharashtra
9.	**TOR Date**	N/A

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 30/07/2022

(e-signed)
Manisha Patankar Mhaiskar
Member Secretary
SEIAA - (Maharashtra)

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/244565/2021
Environment & Climate
Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s. Goel Ganga India Pvt. Ltd.,
Sr No 22/2 P, Plot B1, Kharadi,
Pune.

Subject : Environment Clearance for Proposed construction project Ganga Altus at Sr No 22/2 P, Plot B1, Kharadi, Pune State- Maharashtra by M/s. Goel Ganga India Pvt. Ltd.

Reference : Application no. SIA/MH/MIS/244565/2021

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-3 in its 144th meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 246th (Day-1) meeting of State Level Environment Impact Assessment Authority (SEIAA).

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

1	Proposal Number	SIA/MH/MIS/244565/2021	
2	Name of Project	Ganga Altus by Goel Ganga India Pvt Ltd	
3	Project category	8a (B2)	
4	Type of Institution	Private	
5	Project Proponent	Name	M/s Goel Ganga India Pvt Ltd
		Regd. Office address	3rd floor, San Mahu Complex, Bund Garden Road, Camp, Pune
		Contact number	02026140254
		e-mail	director@goelganga.com,
6	Consultant	Sustainera Solutions Pvt. Ltd.	
7	Applied for	Expansion	
8	Details of previous EC	Previous EC is obtained vide letter no. SIA/MH/MIS/142595/2020 dated 31.03.2020	
9	Location of the project	Sr No 22/2 P, Plot B1, Kharadi, Pune State- Maharashtra	
10	Latitude and Longitude	Latitude - 18°32'33.83"N, Longitude - 73°56'11.82"E	
11	Total Plot Area (m^2)	13,652.42	
12	Deductions (m^2)	2,047.86	
13	Net Plot area (m^2)	11,604.56	
14	Proposed FSI area (m^2)	41,323.38	
15	Proposed non-FSI area (m^2)	25,975.40	
16	Proposed TBUA (m^2)	67,298.78	
17	TBUA (m^2) approved by	67,298.78	

	Planning Authority till date	Pune Municipal Corporation (PMC)				
18	Ground coverage (m^2) & %	5,128.08 (44.19%)				
19	Total Project Cost (Rs.)	Rs. 74.50 Cr				
20	CER as per MoEF &CC circular dated 01/05/2018	Activity	Location	Cost (Rs.)	Duration	
		We will follow the conditions mentioned in OM vide no.F.No.22-65/2017-IA.III dated 20.10.2020				
			GRAND TOTAL			

	Details of Building Configuration: <Please use following legends: Floor = F, Parking = Pk, Podium = Po, Stilt =St, Lower Ground = LG, Upper Ground = UG, Basement = B, Shops = Sh>						Reason for Modification / Change
	Previous EC / Existing Building			Proposed Configuration			
21	Building Name	Configuration	Height (m)	Building Name	Configuration	Height (m)	
	WingD	LG + GR + P1 + P2 + P3 + P4 + P5 + 24 Floors	95.7	Wing D	LG + GR + P1 + P2 + P3 + P5 + ST + 24 Floors	95.15	Change in configuration of building due to reduction in parking floor & Check floor
	Wing E	LG + GR + P1 + P2 + P3 + P4 + P5 + 24 Floors	95.7	Wing E	LG + GR + P1 + P2 + P3 + P5 + ST + 24 Floors	95.15	Change in configuration of building due to reduction in parking floor & Check floor
	Wing F	LG + GR + 4	18.90	Wing F	GR + MEZZ/STILT + 3 Upper Floors	17.70	Change in configuration and reduction inoffice floor
	Club House	G + 1	6.45	Club House	G+1	6.45	No Change

22	Total number of tenements			No of Tenements - 400 Shops = 29 + 21 offices			
23	Water Budget	Dry Season (CMD)			Wet Season (CMD)		
		Fresh Water	198 Residential + Commercial + 16 = 214		Fresh Water	198 Residential + Commercial 16= 214	
		Recycled (Gardening)	20		Recycled (Gardening)	0	
		Swimming Pool	0		Swimming Pool	0	
		Flushing	90 Residential + Commercial 13 = 103		Flushing	90 Residential + Commercial 13 = 103	
		Total	337		Total	317	
		Waste water Generation	Residential 259 + Commercial - 26		Waste water generation	Residential 259 + Commercial- 26	
24	Water Storage Capacity for Firefighting / UGT	Domestic and Utility UG tank Capacity (cum): 297 m3 D & E + 43.91 m3 – F Wing = 340.91 m3 Raw /Flushing tank Capacity(cum) – 148.5 + 21.95 = 170.45m3 Fire UG tank Capacity (cum) – 300 m3 Firefighting-Overhead water tank (CMD): D and E – 50 m3 + 20 m3 - F Wing					
25	Source of water	Local Body – Pune Municipal Corporation					
26	Rainwater Harvesting (RWH)	Level of the Ground water table:		8 - 9 m BGL in pre monsoon 7 - 8 m BGL post monsoon			
		Size and no of RWH tank(s) and Quantity:		NA			
		Quantity and size of recharge pits:		05, 1.8 m x 1.8 m x 2.5 m depth up to 60 m			
		Details of UGT tanks if any:		-			
27	Sewage and Wastewater	Sewage generation in CMD:		Residential – 259 Commercial – 26			
		STP technology:		MBBR			
		Capacity of STP (CMD):		2 No. of STP - capacity 265 KL (Residential) + 45 KL (Commercial)			
28	Solid Waste	Type		Quantity (kg/d)		Treatment / disposal	

	Management during Construction Phase	Dry waste:	14 kg/day	Collected by Ghantagadi
		Wet waste:	10 kg/day	Collected by Ghantagadi
		Construction waste	Excavation	Debris and excavated material reused within site and construction waste will be segregated and sold to recyclers
29	Solid Waste Management during Operation Phase	Type	Quantity (kg/day)	Treatment / disposal
		Dry waste:	Residential 400 kg/ day Commercial + 98 kg/day	Handed over to authorized recyclers
		Wet waste:	Residential 600 kg/ day Commercial + 65 kg/day	Organic Waste Convertor
		Hazardous waste:	-	-
		Biomedical waste	-	-
		E-Waste	2975 Kg/year	Handed over to Authorized Vendor
		STP Sludge (dry)	36.2 Kg/day	Will be used as manure
30	Green Belt Development	Total RG area (m2):		1,365.24 m2
		Existing trees on plot:		0
		Number of trees to be planted:		176
		Number of trees to be cut:		0
		Number of trees to be transplanted:		0
31	Power requirement:	Source of power supply:		MSEDCL
		During Construction Phase (Demand Load):		145 KW
		During Operation phase (Connected load):		3,436.18 KW
		During Operation phase (Demand load):		1,475.95 KW
		Transformer:		630 KVA -3 Nos
		DG set:		400 KVA – 1NO + 380 KVA– 1 NO
		Fuel used:		HSD
32	Details of Energy saving	Total Energy Saving – 19.24 % Total Energy Saving through renewable energy – 0.71 %		
33	Environmental Management plan budget during Construction phase	Type	Details	Cost
		Capital	Air, water, land, biological environment and socioeconomic environment	14.75 Lakh
		O&M	Air, water and Noise Monitoring	1.92 Lakh/ annum

34	Environmental Managementplan Budgetduring Operation phase	Component	Details	Capital (Rs.in Lacs)	O&M (Rs.in Lacs/Y)
		Storm water	laying of storm water line	-	-
		Sewage treatment	2 STPs	34 + 15	12 + 5
		Water treatment	-	-	-
		RWH	RWH Pits	10.50	0.31
		Swimming Pool	-	-	-
		Solid Waste	OWC	18.5	4.48
		Hazardous waste	-	-	-
		E waste	Handed over to Authorized Vendor	-	-
		Green belt development	Gardening	21.69	4.35
		Energy saving	Other measures	62.75	11.08
			Renewable energy		
		Environmental Monitoring	Environment Management	-	8.26
		Disaster Management	Construction Phase	54.1	6.55
			Operation Phase	36.2	3.85
		Sewage Pumping Cost	-	4.5	0.5

35	Traffic Management	Type	Required as per DCR	Actual Provided	Area per parking (m2)
		4-Wheeler	485	485	Area provided for parking is 19,100.35 m2
		2-Wheeler	1455	1455	
		Bicycles	-	-	
36	Details of Court cases /litigations w.r.t. the project and project location if any.	The National Green Tribunal Principal Bench, New Delhi Appeal No. 34/2020(WZ) (I.A. Nos. 66/2020 & No. 67/2020) As per the latest Order dated 04.05.2022 payment submitted to MPCB and case is disposed.			

3. Proposal is an expansion of existing construction project. PP has obtained earlier EC vide 31.03.2020 for total BUA of 54822.15 m2. proposal has been considered by SEIAA in its 246th (Day-1) 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 certified Compliance report from Regional Office MoEFCC Nagpur.
2. PP to provide minimum 30% of total parking arrangement with electric charging facility by providing charging points at suitable places.

3. PP to ensure that, the water proposed to use for construction phase should not be drinking water. They can use recycled water or tanker water for proposed construction.

B. SEIAA Conditions-

1. PP to strictly comply with the order of Hon'ble NGT in the Appeal no 34 of 2020. Maharashtra Pollution Control Board to monitor the same.
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.
5. SEIAA after deliberation decided to grant EC for – FSI- 41,323.38 m2, Non-FSI-25,975.40 m2, Total BUA- 67,298.78 m2. (Plan approval No. DPO/CC/0007/22, Date–01.04.2022).

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 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, 1st Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Manisha Patankar-Mhaiskar
(Member Secretary, SEIAA)

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, Pune.
6. Commissioner, Pune Municipal Corporation
7. Regional Officer, Maharashtra Pollution Control Board, Pune.

Signature Not Verified
Digitally signed by Manisha Patankar Mhaiskar
Member Secretary
Date: 7/30/2022 12:53:32 PM

Environment statements as per EC condition lv For Project

GANGA ALTUS

Residential Project at SR NO 22/2 P Plot B, Khradi Pune

ANNEXURE

ENVIRONMENTAL STATEMENT

FORM-V (See rule 14)

Environmental Statement for the financial year ending with 31st March

PART-A

i. **Name and address of the owner/ occupier of the industry,Operation or process**. - M/S **Goel Ganga India Pvt Ltd**

3rdFloor,SanMahu Complex, Opp. Poona Club, Bund Garden Road ,Camp, Pune – 411001

ii. **Industry category**- RED – Residential and Commercial Building-

iii. **Production category Units**. –Residential Project

iv. **Year of establishment - 2020**

Date of the last environmental statement submitted. –Environment Submitted for financial year **December 2024**

New EC - SIA/MH/MIS/244565/2021 Dated 30-07-2022

PART B

Water and Raw Material Consumption:

i. Water consumption in m3/day

Process /Raw water:5.5 m^3/day . used in Construction Phase. Tanker water has been used during construction phase.

Cooling : NA

Domestic –4.25 m^3 / day water has been used for domestic purpose in construction phase for labour. Tanker water had been used during construction phase.

Name of Product	**Process water consumed per unit of product output**	
	During Previous financial year	**During Current Financial Year**
Flushing	NA	Project is in construction phase Recycled water will be used for Flushing in

		operation phase
Gardening	NA	NA -Project is in construction phase Recycled water will be used for Gardening in operation phase

Raw Materialconsumption

	Name of Product	**Consumption of product per unit of output 1-1-2025-1-06-2025**
1	Cement BAGS	3800
2	Steel MT	15
3	Crushed Sand+ N sand CUM	360
4	Bricks and AAC blocks IN NOs	4500
5	RCC IN CUM	350

* Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART-C

Pollution discharged to environment / unit of output (Parameter as specified in the consent issued)

	Pollutant	**Quantity of pollutant discharged (Mass per day)**	**Concentration of pollutions discharges (mass / volume)**	**Percentage of variation from prescribed standards with reasons.**
1	Water	Ref attached report		
2	Air	Ref attached report		
3	Noise	Ref Attached report		

PART-D

HAZARDOUS WASTES

(As specified under Hazardous Wastes (Management & Handling Rules, 1989).

Hazardous Waste	**Total quantity (Kg)**	
	During the previous financial year	**During the current Financial year**
From Process	NA	No hazardous waste generated at site
From Pollution Control Facilities	NA	No hazardous waste generated at site

PART E

SOLID WASTES:

Solid Waste	**Total quantity (Kg)**

	During the previous financial year	During the current Financial yearto till date
1.From Process	**Scrap Steel 5.00 MT** and Empty cement bags used for material shifting and balance handed over to authorized vendor **Construction waste - 10 cum** had been used for filling at site	**Scrap Steel 0.7 MT** and Empty cement bags used for material shifting and balance handed over to authorized vendor **Construction waste – 1 CUM** had been used for filling at site
2Pollution Control Facilities	1. Manure from STP will be used for Gardening in operation phase. 2. Recycled water will be used for Flushing and landscaping . 3. OWC will be used for treatment of biodegradable waste and material will used as a manure in operation phase. MPCB approved External Agency appointed to check Air, Noise and water periodically 4. Swach Agreement in Construction phase 5. Septic Tank for Toilets 6. Periodic Fogging at site	7. Manure from STP will be used for Gardening in operation phase. 8. Recycled water will be used for Flushing and landscaping . 9. OWC will be used for treatment of biodegradable waste and material will used as a manure in operation phase. MPCB approved External Agency appointed to check Air, Noise and water periodically 10. Swach Agreement in Construction phase 11. Septic Tank for Toilets during construction phase 12. Periodic Fogging at site
3. Quantity recycled or reutilised within the unit.	**Construction Phase** – **Construction waste 0 cum** had been used for filling in plinth area **Biodegradable waste 15 kg / day** **Non Biodegradable waste -10 Kg/Day .** • Authorized vendor for disposal of wet and dry	**Construction Phase** – **Construction waste – 1 CUM** had been used for filling in plinth area **Biodegradable waste 28 kg / day** **Non Biodegradable waste -24 Kg/Day .** • Authorized vendor for disposal of wet and dry waste **Scrap steel sold to vendor waste -**

	waste **Scrap steel sold to vendor waste - 0.00 Kg/Day** . • Authorized vendor for disposal of wet and dry waste • Scrap steel sold to vendor .	**0.7 MT** • Authorized vendor for disposal of wet and dry waste • Scrap steel sold to vendor .

PART F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Type of Waste –

- **Hazardous waste**–Nil - There is no Hazardous waste generated at site .
- **Solid waste**-

In Operation Phase-(Waste from preparation Kitchen, vegetable etc) Biodegradable waste will be treated in OWC and the Manure will be used in Landscaping ,

- **In Construction phase**–Separate Bins are provided for wet and Dry waste at site at different locations . Authorized vendor for disposal of wet and dry waste

Construction waste - broken concrete, rubble, plaster etc **1 cum had** been used for filling in plinth area

Biodegradable waste 28 kg / day

Non Biodegradable waste -24 Kg/Day .

- Authorized vendor for disposal of wet and dry waste .
- Scrap steel sold to vendor .
- All the waste generated at site is non-Toxic, inflammable and Non explosive

PART-G

Impact of the pollution, control measures taken for conservation of natural

Resources and consequently on the cost of production.

Sr No	Activity	Env Impact	Control Measures
1	Excavation	Noise and Air pollution	1.Water sprinkling during excavation to avoid dust 2. Covering of Dumper during excavation by Tarpaulin 3. No excavation work during night 4. Barricading of plot using GI sheet of

			sufficient height 5. well maintained vehicle during working at site.
2	RCC	Noise and Air Pollution	1. RMC is used for concreting 2.Transporation of vehicle during non peak hour
3	Use of Generator	Noise & Air pollution – smoke generation	1.Aucustic covering provided 2. Periodic maintenance of DG set 3. Use of DG only during power shut off

Others Measures –

- Authorized vendor for disposal of wet and dry waste. Scrap steel sold to vendor
- STP will be provided for the treatment of Grey and Black water .
- The treated water from STP will be used for flushing in Toilets and Garden irrigation in operation stage
- The sludge from STP will be used a manure for gardening in operation stage

PART H

Additional measures/investment proposal for environmental protection including abatement of pollution.

1. Green belt development is planned inside the plot and near plot boundary to minimise pollutant load.
2. Compound wall around plot periphery.
3. Fund had been allotted for the environment protection measures .
4. OWC facility for disposal, Treatment and reuse of wet garbage in operation phase.
5. STP for treatment of grey and black water and sludge from STP will be used as manure after completion.
6. Segregation and disposal of dry waste through External Vendor . Use of RMC in construction
7. Provision of Rain water Harvesting system for the collection of terrace water to recharge the ground water condition.
8. Construction debris is being used for the filling in plinth areas .
9. Energy conservation measures such as us of LED lights for all common real
10. Periodic training session for Engineers, Contractors , Labours to protect environment
11. Toilet Facility at Labour Colony
12. Routine fogging at labour colony
13. Labours deployed to maintain cleanliness at site
14. Provision of cooking fuel for labours by contractor.
15. Provision of safe drinking water at labour colony and at site
16. Insurance for labours

PART I

MISCELLANEOUS:

Any other particulars in respect of environmental protection and abatement of pollution.-

All required control measures have been adopted to protect the environment and to avoid resource depletion such as -

1. Sufficient Environment protection measures is being taken for the protection and conservation of environment.
2. Lectures, site visits and in house Training on environment protection and conservation for contractors, Staff and labours
3. Tool box talks on pollution control, Pollution sources, on routine basis for labours , contractors and staff.
4. Award had been given to labours , contractors and employees to motivate and create environment awareness between all .
5. Eco friendly material is being in used in construction .eg –Crushed sand, RMC,etc
6. Provided Housing and sanitary , Safe Drinking water , Crèche facilities for labours
7. Periodic health check up for labours
8. Excavated soil had been stored properly and will be utilised for landscaping
9. Periodic testing of Water, Soil, Noise level.
10. Barricade to plot boundary to reduce noise level

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/M.S.I
No:- Format1.0/JD (WPC)/UAN No.0000143931/CE/2301000215

Date: 02/01/2023

To,
M/s GOEL GANGA INDIA PVT LTD,
22/2 PLOT B1 K, KHARADI
Tal Haveli, Dist Pune Pune

Your Service is Our Duty

Sub: Consent to Establish for expansion in residential and commercial construction project under Red Category

Ref: Consent to Establish vide no. Format1.0/BO/JD(WPC)/UAN No.091722/CE/CC-2012000098 dtd. 02.12.2020

Your application NO. MPCB-CONSENT-0000143931

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 period up to Commissioning of the project or Five Years whichever is earlier**
2. **The capital investment of the project is Rs.74.5 Cr. (As per C.A Certificate submitted by industry).**
3. **The Consent to Establish is valid for expansion in residential and commercial construction named as M/s GOEL GANGA INDIA PVT LTD, 22/2 PLOT B1 K, KHARADI Tal Haveli, Dist Pune Pune on Total Plot Area of 13652.42 SqMtrs for proposed total construction BUA of 67298.78 SqMtrs as per EC granted dated 30.07.2022 including utilities and services.**

Sr.No	Permission Obtained	Plot Area (SqMtr)	BUA (SqMtr)
1	Consent to Establish dtd 02.12.2020	13652.42	67703.05
2	Environmental Clearance dtd 31.03.2020	13652.42	54822.15
3	Environmental Clearance dtd 25.07.2022	13652.42	67298.78

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

Sr No	Description	Permitted	Standards to	Disposal
2.	Domestic effluent	285	As per 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
S-1	DG Set-1250 kVA	01	As per Schedule -II
S-2	DG Set-400 kVA	01	As per Schedule -II
S-3	DG Set-380 kVA	01	As per Schedule -II

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

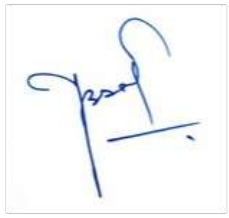
Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	WET WASTE	665 Kg/Day	OWC with Composting/Bio digester with composting facility	As Manure
2	DRY WASTE	498 Kg/Day	Segregation	To Local Body
3	STP Sludge	28 Kg/Day	Dewatering	As Manure

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	100	Ltr/A	Reprocessing	To Authorized Reprocesser

8. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
10. Project Proponent shall install online monitoring system for the parameter pH, SS, BOD and flow at the outlet of STP.
11. Project Proponent shall provide Organic waste digester with composting facility or biodigestor with composting facility.
12. Project Proponent shall comply the Construction and Demolition Waste Management Rules, 2016 which is notified by Ministry of Environment, Forest and Climate Change dtd.29/03/2016.
13. The project proponent shall make provision of charging of electric vehicles in atleast 40 % of total available parking area.
14. The project proponent shall take adequate measures to control dust emission and noise level during construction phase.

15. The Project Proponent shall comply with the Environmental Clearance obtained vide No SIA/MH/MIS/244565/2021 dtd. 30.07.2022 for construction project having total plot area 13652.42 Sq.Mtrs, & proposed total Construction BUA 67298.78 Sq.Mtrs, as per specific condition of EC.
16. PP shall submit an affidavit in Boards prescribed format within 15 days regarding compliance of C to E & Environmental Clearance.
17. This consent is issued with overriding effect on earlier Consent to Establish vide no. Format1.0/BO/JD(WPC)/UAN No.091722/CE/CC-2012000098 dtd. 02.12.2020.
18. This consent is issued without prejudice to an order passed in Civil Application No. 10854 before Hon'ble Supreme Court of India and OA No 34/2020 before Hon'ble Hon’ble NGT(WZ Pune).



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Signed by: Dr. Y.B.Sontakke
Joint Director (WPC)
For and on behalf of,
Maharashtra Pollution Control Board
jdwater@mpcb.gov.in
2023-01-02 18:41:41 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	100000.00	TXN2207003463	29/07/2022	Online Payment

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune I
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB,Sion, Mumbai

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have proposed to provide Sewage Treatment Plant of designed capacity 310 CMD with MBBR technology for the treatment of 285 CMD of sewage.

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	pH	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	337.00
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
S-1	DG Set-1250 kVA	Acoustic Enclosure	30.00	HSD 244 Ltr/Hr	1	SO2	117.12 Kg/Day
S-2	DG Set-400 kVA	Acoustic Enclosure	4.00	HSD 80 Ltr/Hr	1	SO2	38.4 Kg/Day
S-3	DG Set-380 kVA	Acoustic Enclosure	3.50	HSD 76 Ltr/Hr	1	SO2	36.48 Kg/Day

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

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/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Establish	Rs 10 Lakhs	15 Days	Compliance of Consent Conditions & Environmental Clearance	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

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason 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.
B	During construction phase, the ambient air and noise quality shall be maintained and should be closely monitored through MoEF approved laboratory.
C	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.

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.0000148860/CO/2307001631

Date: 26/07/2023

To,
M/s GOEL GANGA INDIA PVT LTD,
GANGA ALTUS, 22/2 PLOT B1, Kharadi,
Tal Haveli, Dist Pune

Your Service is Our Duty

Sub: Consent to Operate (Part-I) for Building construction under Red Category

Ref: Consent to Establish granted vide no. Format1.0/BO/JD (WPC)/UAN-091722/CE/CC-2012000098 dtd 02.12.2020

Your application NO. MPCB-CONSENT-0000148860

For: grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / 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 Operate(Part-I) is granted for period upto 30.06.2024**
2. **The capital investment of the project is Rs.13.7929 Cr. (As per C.A Certificate submitted by industry).**
3. **The Consent to Operate(part-I) is valid for building construction project named as M/s GOEL GANGA INDIA PVT LTD, GANGA ALTUS, 22/2 PLOT B1, Kharadi, Tal Haveli, Dist Pune on Total Plot Area of 13652.42 SqMtrs for completed part-I total construction BUA of 1104.11 SqMtrs out of Total Construction BUA of 67298.78 SqMtrs as per EC granted dated 30.07.2022 including utilities and services**

Sr.No	Permission Obtained	Plot Area (SqMtr)	BUA (SqMtr)
1	Consent to Establish dtd 02.12.2020	13652.42	67703.05
2	Environmental Clearance dtd 30.07.2022	13652.42	67298.78

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

Sr No	Description	Permitted	Standards to	Disposal
2.	Domestic effluent	11	As per 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
S-1	DG Set-125 kVA	01	As per Schedule -II

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

Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Bio Degradable waste	27 Kg/Day	OWC with Composting/Bio digester with composting facility	As Manure
2	Non Biodegradable Waste	98 Kg/Day	Segregation	To Local Body
3	STP Sludge	1.1 Kg/Day	Dewatering	As Manure

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

Sr No	Category No.	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	15	Ltr/Hr	Reprocessing	To Authorized Reprocesser

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall 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. Project Proponent shall install online monitoring system for the parameter pH, SS, BOD and flow at the outlet of STP.
11. Project Proponent shall provide and operate Organic waste digester with composting facility or biodigestor with composting facility effectively.
12. The project proponent shall make provision of charging of electric vehicles in atleast 30 % of total available parking area.
13. The Project Proponent shall comply with the Environmental Clearance obtained vide No SIA/MH/MIS/ 244565/2021 dtd 30.07.2022 for construction project on plot area of 13652.42 Sq.mtr and total Construction BUA 67298.78 Sq.mtr.

14. PP shall submit an affidavit in Boards prescribed format within 15 days regarding compliance of C to O & Environmental Clearance

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Signed by: Dr. J. B. Sangewar
Joint Director (WPC)
For and on behalf of,
Maharashtra Pollution Control Board
jdwater@mpcb.gov.in
2023-07-26 11:50:58 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	50000.00	TXN2209002844	24/09/2022	Online Payment

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune I
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB,Sion, Mumbai

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided MBBR based Sewage Treatment Plants (STPs) of combined capacity **45 CMD for treatment of domestic effluent of 11 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	pH	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	12.00
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 provided the Air pollution control (APC)system and erected 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
S-1	DG Set-125 kVA	Acoustic Enclosure	5.00	HSD 32 Ltr/Hr	1	SO2	15.36 Kg/Day

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

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/ C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Operate (Part-I)	Rs 10 Lakhs	15 Days	Compliance of Consent Conditions & Operation and maintenance of Pollution Control Systems	Continious	30.10.2024

** 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

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

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 make an application for renewal of the consent at least 60 days before date of the expiry of the consent.

This certificate is digitally & electronically signed.

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.0000173024/CO/2311000464

Date: 06/11/2023

To,
M/s GOEL GANGA INDIA PVT LTD,
GANGA ALTUS (Bld. F), 22/2, PLOT B1,
Kharadi, Tal Haveli, Dist Pune

Your Service is Our Duty

Sub: Consent to Operate (Part-II) Building Construction Project Granted Under Red Category.

Ref: Application for 1st Consent to Operate vide UAN. MPCB-CONSENT-0000173024 dtd. 19/06/2023.

Your application NO. MPCB-CONSENT-0000173024

For: Grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / 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 1st Consent to Operate is granted for a period up to 31.10.2025**
2. **The capital investment of the project is Rs.13.7929 Cr. (As per C.A Certificate submitted by industry).**
3. **The Consent to Operate is valid for r building construction project named as GOEL GANGA INDIA PVT LTD, ALTUS-Building-F, Sr No. 22/2 Plot No. B1, Kharadi, Tal. Haveli, Dist. Pune on Total Plot Area of 13652.42 Sq Mtrs for construction BUA of 3600.89 Sq. Mtrs out of Total Construction BUA of 67298.78 Sq Mtrs as per EC granted dated 30.07.2022 including utilities and services.**

Sr.No	Permission Obtained	Plot Area (SqMtr)	BUA (SqMtr)
1	Consent to Establish dtd 02.12.2020	13652.42	67703.05
2	Environmental Clearance dtd 30.07.2022	13652.42	67298.78
3	Consent to Operate (Part-I) dtd. 26/07/2023	13652.42	1104.11

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

Sr No	Description	Permitted	Standards to	Disposal
2.	Domestic effluent	15.67	As per 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
S-1	DG Set (125 KVA)	1	As per Schedule -II

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

Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Bio Degradable waste	27 Kg/Day	OWC	Use as Manure
2	Non Biodegradable Waste	98 Kg/Day	Segregation	To Local Body
3	STP Sludge	1.1 Kg/Day	Dewatering	Use as manure.

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

Sr No	Category No.	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	15	Ltr/Hr	Reprocessing	To Authorized Reprocesser

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall 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. Project Proponent shall provide and operate Organic waste digester with composting facility or biodigestor with composting facility effectively.
11. The project proponent shall make provision of charging of electric vehicles in atleast 30 % of total available parking area.
12. The Project Proponent shall comply with the Environmental Clearance obtained vide No SIA/MH/MIS/ 244565/2021 dtd 30.07.2022 for construction project on plot area of 13652.42 Sq.mtr and total Construction BUA 67298.78 Sq.mtr.
13. PP shall submit an affidavit in Boards prescribed format within 15 days regarding compliance of C to O & Environmental Clearance
14. This consent is issued without prejudice to order passed or may be passed by Hon'ble NGT in the Original Application No. O.A. 34/2020 (WZ).

bc9bdd8a b4a0fa70 dcf80602 8c40668a 052babe2 7cb98942 d92e0576 0aeb6b24

Signed by: Dr. J. B. Sangewar
Joint Director (WPC)
For and on behalf of,
Maharashtra Pollution Control Board
jdwater@mpcb.gov.in
2023-11-06 16:41:03 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	50000.00	TXN2306002745	19/06/2023	Online Payment

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune I
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB,Sion, Mumbai

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided MBBR based Sewage Treatment Plants (STPs) of combined capacity **45 CMD for treatment of domestic effluent of 15.67 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	pH	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	20.42
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 provided the Air pollution control (APC)system and erected 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
S-1	DG Set-125 kVA	Acoustic Enclosure	5.00	HSD 32 Ltr/Hr	1	SO2	15.36 Kg/Day

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

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/ C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Operate (Part-II)	Rs 10 Lakhs	15 Days	Compliance of Consent Conditions & Operation and maintenance of Pollution Control Systems	Continious	31.10.2025

** 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

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

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 make an application for renewal of the consent at least 60 days before date of the expiry of the consent.

This certificate is digitally & electronically signed.

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.0000174008/CO/2311001627

Date: 20/11/2023

To,
M/s. GOEL GANGA INDIA PVT LTD,
GANGA ALTUS Building 'D', S. No. 22/2,
Plot B-1,
Kharadi, Tal. Haveli, Dist. Pune.

Your Service is Our Duty

Sub: Consent to Operate (Part-III) for Residential Building Construction Project Under Red Category.

Ref: Application for 1st Consent to Operate vide UAN. MPCB-CONSENT-0000174008 dtd. 14/07/2023.

Your application NO. MPCB-CONSENT-0000174008

For: Grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / 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 1st Consent to Operate is granted for a period up to 31.10.2025**
2. **The capital investment of the project is Rs.61.65 Cr. (As per C.A Certificate submitted by industry).**
3. **The Consent to Operate is valid for Building Construction Project named as M/s. GOEL GANGA INDIA PVT LTD, GANGA ALTUS Building 'D', S. No. 22/2, Plot B-1, Kharadi, Tal. Haveli, Dist. Pune on Total Plot Area of 13652.42 for construction BUA of 38589.41 Sq Mtrs out of Total Construction BUA of 67298.78 Sq Mtrs as per EC granted dated 30.07.2022 including utilities and services.**

Sr.No	Permission Obtained	Plot Area (SqMtr)	BUA (SqMtr)
1	Consent to Establish dtd 02.12.2020	13652.42	67703.05
2	Environmental Clearance dtd 30.07.2022	13652.42	67298.78
3	Consent to Establish dtd. 02/01/2023	13652.42	67298.78
4	Consent to Operate (Part-I) dtd. 26/07/2023	13652.42	1104.11
5	Consent to Operate (Part-II) dtd. 06/11/2023	13652.42	3600.89

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

Sr No	Description	Permitted	Standards to	Disposal
2.	Domestic effluent	243	As per 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
S-1 & S-2	DG Set (125 KVA & 400 KVA)	2	As per Schedule -II

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

Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Bio Degradable waste	600 Kg/Day	OWC	Use as Manure
2	Non Biodegradable Waste	400 Kg/Day	Segregation	To Local Body
3	STP Sludge	10 Kg/Day	Dewatering	Use as manure.

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

Sr No	Category No.	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	15 As Actual	Ltr/Hr	Reprocessing	To Authorized Reprocesser

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall 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. Project Proponent shall provide and operate Organic waste digester with composting facility or biodigestor with composting facility effectively.
11. The project proponent shall make provision of charging of electric vehicles in atleast 30 % of total available parking area.
12. The Project Proponent shall comply with the Environmental Clearance obtained vide No SIA/MH/MIS/ 244565/2021 dtd 30.07.2022 for construction project on plot area of 13652.42 Sq.mtr and total Construction BUA 67298.78 Sq.mtr.
13. PP shall submit an affidavit in Boards prescribed format within 15 days regarding compliance of C to O & Environmental Clearance
14. This consent is issued without prejudice to order passed or may be passed by Hon'ble NGT in the Original Application No. O.A. 34/2020 (WZ) & Execution Application No.17 of 2023 (WZ).

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	200000.00	MPCB-DR-20163	14/07/2023	RTGS

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune I
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB,Sion, Mumbai

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided MBBR based Sewage Treatment Plants (STPs) of combined capacity **265 CMD for treatment of domestic effluent of 243 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	pH	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	243.00
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 provided the Air pollution control (APC)system and erected 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
S-1	D.G. Set (125 KVA & 400 KVA)	Acoustic Enclosure	5.00	HSD 32 Ltr/Hr	1	SO2	36.48 Kg/Day

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

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/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Operate (Part-III)	Rs 10 Lakhs	15 Days	Compliance of Consent & EC Conditions.	Continious	31.10.2025

** 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

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

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 make an application for renewal of the consent at least 60 days before date of the expiry of the consent.

This certificate is digitally & electronically signed.

MAHARASHTRA POLLUTION CONTROL BOARD

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

Kalpataru Point, 2nd, 3rd 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.0000205247/CR/2410002005 **Date: 21/10/2024**

To,
M/s GOEL GANGA INDIA PVT LTD,
GANGA ALTUS, 22/2 PLOT B1, Kharadi,
Tal Haveli, Dist Pune

Your Service is Our Duty

Sub: Renewal of Consent to Operate (Part-I) for Building Construction Project in Red Category.

Ref:
1. Application submitted by Sub-Regional Office, Pune 1 vide UAN no. MPCB-CONSENT-0000205247
2. Consent to Establish granted vide no. Format1.0/BO/JD (WPC)/UAN-091722/CE/CC-2012000098 dtd 02.12.2020
3. Previous Consent to Operate (Part 1) obtained vide no. Format1.0/JD (WPC)/UAN No.0000148860/CO/2307001631 dated 26/07/2023 valid up to 30/06/2024.

Your application NO. MPCB-CONSENT-0000205247

For: grant of Consent to Renewal under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / 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 Operate(Part-I) is granted for period upto 30.06.2029**
2. **The capital investment of the project is Rs.13.7929 Cr. (As per C.A Certificate submitted by industry).**
3. **The Consent to Operate(part-I) is valid for building construction project named as M/s GOEL GANGA INDIA PVT LTD, GANGA ALTUS, 22/2 PLOT B1, Kharadi, Tal Haveli, Dist Pune on Total Plot Area of 13652.42 SqMtrs for completed part-I total construction BUA of 1104.11 SqMtrs out of Total Construction BUA of 67298.78 SqMtrs as per EC granted dated 30.07.2022 including utilities and services**

Sr.No	Permission Obtained	Plot Area (SqMtr)	BUA (SqMtr)
1	Consent to Establish dtd 02.12.2020	13652.42	67703.05
2	Environmental Clearance dtd 30.07.2022	13652.42	67298.78

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

Sr No	Description	Permitted	Standards to	Disposal
2.	Domestic effluent	11	As per 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
S-1	DG Set-125 kVA	01	As per Schedule -II

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

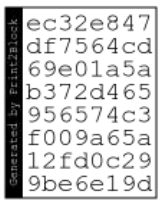
Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Bio Degradable waste	27 Kg/Day	OWC with Composting/Bio digester with composting facility	As Manure
2	Non Biodegradable Waste	98 Kg/Day	Segregation	To Local Body
3	STP Sludge	1.1 Kg/Day	Dewatering	As Manure

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

Sr No	Category No.	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	15	Ltr/Hr	Reprocessing	To Authorized Reprocesser

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall 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. Project Proponent shall install online monitoring system for the parameter pH, SS, BOD and flow at the outlet of STP.
11. Project Proponent shall provide and operate Organic waste digester with composting facility or biodigestor with composting facility effectively.
12. The project proponent shall make provision of charging of electric vehicles in atleast 30 % of total available parking area.
13. The Project Proponent shall comply with the Environmental Clearance obtained vide No SIA/MH/MIS/ 244565/2021 dtd 30.07.2022 for construction project on plot area of 13652.42 Sq.mtr and total Construction BUA 67298.78 Sq.mtr.
14. PP shall submit an affidavit in Boards prescribed format within 15 days regarding compliance of C to O & Environmental Clearance

This consent is issued on the basis of information/documents submitted by the Applicant/Project Proponent, if it has been observed that the information submitted by the Applicant/Project Proponent is false, misleading or fraudulent, the Board reserves its right to revoke the consent & further legal action will be initiated against the Applicant/Project Proponent.



Signed by: Shankar Waghmare
Joint Director (WPC)
For and on behalf of,
Maharashtra Pollution Control Board
jdwater@mpcb.gov.in
2024-10-21 15:30:15 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	250000.00	MPCB-DR-25925	16/04/2024	NEFT

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune I
   - They are directed to ensure the compliance of the consent conditions.
   - They are directed to obtain the extended bank guarantee of Rs. 10 lakhs from the PP as per Schedule III.
2. Chief Accounts Officer, MPCB,Sion, Mumbai

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided MBBR based Sewage Treatment Plants (STPs) of combined capacity **45 CMD for treatment of domestic effluent of 11 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	pH	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	12.00
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.	Grandening/Other consumption	

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 provided the Air pollution control (APC)system and erected 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
S-1	DG Set-125 kVA	Acoustic Enclosure	5.00	HSD 32 Ltr/Hr	1	SO2	15.36 Kg/Day

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

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).

SCHEDULE-III

Details of Bank Guarantees:

Sr. No.	Consent(C2E/ C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Operate (Part-I)	Rs. 10 lakhs (Existing BG extended)	15 Days	Compliance of Consent Conditions & Operation and maintenance of Pollution Control Systems	31/10/2029	31/10/2030

** 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

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

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 make an application for renewal of the consent at least 60 days before date of the expiry of the consent.

This certificate is digitally & electronically signed.

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: http://mpcb.gov.in
Email: cac-cell@mpcb.gov.in

Kalpataru Point, 2nd, 3rd and 4th floor, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai-400022

Infrastructure/RED/L.S.I
No:- Format1.0/CC/UAN No.0000209172/CO/2502000699

Date: 09/02/2025

To,
GANGA ALTUS E WING AND CLUB HOUSE,
SR NO 22/2 PLOT B1 KHARADI, Pune

Your Service is Our Duty

Sub: 1st Consent to Operate (Part IV) for residential & commercial construction project under Red Category

Ref:

1. Application submitted by SRO - Pune I vide No. MPCB-CONSENT-0000209172
2. Consent to Establish - Format1.0/BO/JD(WPC)/UAN No.091722/CE/CC-2012000098 dated 02/12/2020
3. Consent to Establish (Expansion) - Format1.0/JD (WPC)/UAN No.0000143931/CE/2301000215 dated 02/01/2023
4. Consent to Operate (Part-I) - Format1.0/JD (WPC)/UAN No.0000148860/CO/2307001631 dated 26/07/2023
5. Consent to Operate (Part-II) - Format1.0/JD (WPC)/UAN No.0000173024/CO/2311000464 dated 06/11/2023
6. Consent to Operate (Part-III) - Format1.0/JD (WPC)/UAN No.0000174008/CO/2311001627 dated 20/11/2023
7. Environmental Clearance - EC22B038MH159694 dated 30/07/2022
8. Minutes of the 13th Consent Committee Meeting dated 06/01/2025.

Your application NO. MPCB-CONSENT-0000209172

For: grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / 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 1st Consent to Operate (Part IV) in Red/LSI category is hereby granted for a period up to 31/01/2030.**
2. **The capital investment of the project is Rs.20.4214 Cr. (As per C.A Certificate submitted by industry).**
3. **The Consent to Operate (Part IV) is valid for Residential & Commercial Construction Project named as GANGA ALTUS E WING AND CLUB HOUSE, 22/2 P PLOT B1,SR NO 22/2 PLOT B1 KHARADI, HAVELI, Pune on Total Plot Area of 13652.42 SqMtrs and for completed construction BUA of 24004.53 SqMtrs out of Total Construction BUA of 67298.78 SqMtrs as per EC granted dated 30/07/2022 including utilities and services**

Sr.No	Permission Obtained	Plot Area (SqMtr)	BUA (SqMtr)
1	Consent to Establish dated 02/01/2023	13652.42	667298.78

2	Consent to Operate dated 26/07/2023	13652.42	1104.11
3	Consent to Operate dated 06/11/2023	13652.42	67298.78
4	Consent to Operate dated 20/11/2023	13652.42	38589.41
5	Environmental Clearance dated 30/07/2022	13652.42	67298.78

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	90	As per 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
S1	DG set - 525 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	150 Kg/Day	Segregation and storage in covered shed.	Handed over to MPCB Authorized Vendor
2	WET WASTE	300 Kg/Day	Storage in covered shed and treatment in OWC	USED as MANURE FOR GARDENING

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

Sr No	Category No.	Quantity	UoM	Treatment	Disposal
NA					

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall 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. Project Proponent shall provide Organic waste digester with composting facility or biodigestor with composting facility.
11. Project Proponent shall operate the Organic waste digester with composting facility or biodigestor with composting facility effectively
12. Project Proponent shall comply the Construction and Demolition Waste Management Rules, 2016 which is notified by Ministry of Environment, Forest and Climate Change dtd.29/03/2016.
13. The project proponent shall make provision of charging of electric vehicles in atleast 40 % of total available parking area.
14. The project proponent shall take adequate measures to control dust emission and noise level during construction phase.

15. The Project Proponent shall comply with the Environmental Clearance obtained vide No EC22B038MH159694 dtd 30/07/2022 for construction project having total plot area of 13652.42 Sqm and total construction BUA of 67298.78 Sqm as per specific condition of EC.
16. FOR ANY FUTURE EXPANSION: PP shall obtain Environmental Clearance from competent authority for the proposed activity & PP shall not take effective steps towards construction without obtaining Environmental Clearance.
17. PP shall submit an affidavit in Boards prescribed format within 15 days regarding compliance of C to E & Environmental Clearance/CRZ Clearance.
18. This consent is issued as per the Minutes of the 13th Consent Committee Meeting dated 06/01/2025.
19. This consent is issued after receipt of the additional consent fees of Rs. 75,000/- as PP has obtained consent to establish for expansion for total project cost Rs. 74.5 Cr. PP has obtained Consent to operate with CI - Part-I (Rs. 13.7929 Cr) + Part-II (Rs. 13.7929 Cr) + Part-III (Rs. 61.65 Cr) & Part-IV (Rs. 20.42 Cr) = Total CI of the project is Rs. 109.59 Cr. PP has increased the CI by 35.09 Cr from 74.5 Cr to 109.59 Cr. PP shall pay additional consent fee of Rs. 75000/- towards increased CI. Payment Received.

This consent is issued on the basis of information/documents submitted by the Applicant/Project Proponent, if it has been observed that the information submitted by the Applicant/Project Proponent is false, misleading or fraudulent, the Board reserves its right to revoke the consent & further legal action will be initiated against the Applicant/Project Proponent.

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Signed by: Dr.Avinash Dhakne
Member Secretary
For and on behalf of,
Maharashtra Pollution Control Board
ms@mpcb.gov.in
2025-02-09 14:13:57 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	250000.00	MPCB-DR-27096	19/07/2024	NEFT
2	75000.00	MPCB-DR-29662	14/10/2024	NEFT

-

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune I
- They are directed to ensure the compliance of the consent conditions.
- They are directed to obtain the renewed Bank Guarantee of Rs. 10 Lakhs from the PP as per Schedule III.
2. Chief Accounts Officer, MPCB,Sion, Mumbai

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided MBBR based Sewage Treatment Plants (STPs) of combined capacity **265 CMD for treatment of domestic effluent of 90 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	pH	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	135.00
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.	Grandening/Other consumption	0

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 provided the Air pollution control (APC)system and erected 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
S1	DG set - 525 KVA	Acoustic Enclosure	5.00	HSD 32 Kg/Hr	1	SO2	5.12 Kg/Day

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

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/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C2O (Part IV)	Rs.10 Lakhs (Existing BG extended)	Within 15 Days	Compliance of Consent Conditions & EC Conditions	31/01/2030	31/01/2031

** 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

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
1	-	-	-	-	-	-

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
1	-	-	-	-

SCHEDULE-IV

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 make an application for renewal of the consent at least 60 days before date of the expiry of the consent.

This certificate is digitally & electronically signed.

Office of the Chief Fire Officer
Pune Municipal Corporation
Out W.No : FB/ 9336
Date : 9e|90|2020

(KRD/DP/0027/08)

To,
Zuber Rashid Shaikh Architects,
M/s. Space Designers' Syndicate,
Megaspace, Solapur Bazar Road,
Off. East Street, Camp, Pune.

Sub:- Revised Provisional Fire NOC for proposed building at Plot No. B1, S.No. 22/2, Kharadi, Pune. (For Wings D, E Only)

Ref :- 1) Your Office letter Dt.26.06.2020.
2) Letter of Mr. Atul Goel Dt.17.09.2020,
3) Letter Dt. 01.10.2020 & Affidavite of Mr. Atul J. Goel Dt.16.10.2020.

As per your request, visited the proposed site along with your representative Mr. Ayaz Shaikh on Dt.20.06.2020 with sub committee of HRC, Pune and discussed with him regarding the fire protection system to be installed in the proposed building.

1. Construction of the buildings are in progress & Motorable road is available for the proposed site as per submitted plans.
2. Information about the proposed buildings will be as below, as per plans submitted to this office.

Building No.	Staircase	Lift	Use of building	Parking	Built up area (in Sq.Mtrs)	Heigh (Mtrs)
D, E	2 No.	3 No. (2 stretcher lift)	Mixed (shops on ground, residence on 1st to 21st loor)	Lower ground, ground floor, parking floor 1 to 5 above ground level.	31745.78 Sq. Mtrs.(15872.89 Sq.Mtrs. for each wing)	95.70

3. Fire protection premium is paid by challan No.1) CE/BP/30377/19, Dt.20.03.2020, Rs.15,36,066.50/-
2) CE/BP/0994/20, Dt. 16.10.2020, Rs.6,02,741.04/-
3) CE/BP/6977/20, Dt. 16.10.2020, Rs. 10/-
4. Fire infrastructure charges are paid by challan no.1) CE/BP/30377/19, Dt.20.03.2020, Rs.41,04,960/-
2) CE/BP/0994/20, Dt. 16.10.2020, Rs.64,85,726.91/-
5. Fire service fee, Annual fees is paid by challan No.1) CE/BP/30377/19, Dt.20.03.2020, Rs.1,91,038.22/-
2) CE/BP/0994/20, Dt. 16.10.2020, Rs.2,31,619.05 /-
6. The plot area is 13652.42 Sq. Mtrs. and total built-up area will be 31745.78 Sq. Mtrs.(15872.89 Sq.Mtrs. for each wing) as per submitted plans.
7. Marginal Distance & the drive way around the buildings for easy mobility of fire departments' vehicles during fire fighting & rescue operations from refuge area of the buildings, should be provided as per guidelines of D.C.Rules of PMC & National Building Code of India 2016.
8. Fire check floor is shown at 70 Mtrs. height for the buildings as per submitted plans.
9. **As per the circuler of Hon. MC, vide No.6850, Dt. 28.09.2020, the part payment of fire premium and infrastructure charges (40%) is paid as per above mention amounts. The rest of the payment of 30% (1st insttalment) shall be paid on Dt. 16.10.2021 & remaining last 30% payment (2nd insttalment) shall be paid on Dt. 16.10.2022.**

Considering the above, this office has No objection to construct the building as proposed, subject to compliance of following fire prevention & fire protection systems :-

This N.O.C. is valid subject to fulfillment of the following conditions in the building :

1 The plans of the proposed building should be approved by the competent authority of Pune Municipal Corporation.
2 The building completion certificate & drainage completion certificate should be obtained from Building Department of P.M.C. The completion certificate shall be issued subject to "Final No-Objection Certificate" from this department.

3 The internal roads, podiums, ramps shall be able to with stand the load of minimum 60 Tons.

4 Proper roads in the premises is sufficient provided for easy mobility of the Fire Brigade Appliance & marginal spaces should be kept free from obstructions all the time.

5 All fire fighting equipments to be installed as per National Building code of India 2016, D.C. Rule. Must be strictly confirming to relevant I.S. specification.

6 All the fire fighting equipments shall be well maintained and should be easily accessible in case of emergency.

7 Emergency Telephone numbers like "Police", "Fire Brigade", "Hospital", "Doctors", and "Responsible persons" should be displayed in security cabin, Reception & lobbies, passages of the buildings.

8 It shall be ensured that security staff & every employee of the building are trained in handling fire fighting equipments & fire fighting.

9 Cautionary boards such as "DANGER", "NO SMOKING", "EXIT", "FIRE ESCAPE", "EXTINGUISHER", "HYDRANT", MANUAL CALL POINT" etc. should be displayed on the strategic location to guide the occupants in case of emergency. The signs should be of florescent type and should glow in darkness.

10 The Fire drill & Evacuation drill (Mock Drill) should be planed & conducted after every six months and the instruction should be given to the entire staff minimum four times in a year.

11. Twice in a year service auditing should be carried out for the building.

12 Well equipped fire control room shall be provided on the ground floor /Entrance gate of the building & A qualified Fire Officer from **"National Fire Service College, Nagpur** shall be employed to maintain the all fire prevention & protection arrangements provided to various building in the campus.

13 Interconnectivity between firewater tank & Domestic water tank shall be provided with isolation valve which to be kept normally in close position so that during emergency the stored water in domestic water tank can be utilized for fire fighting.

14 Fire Escape Staircase shall be directly connected to the ground Fire escape constructed of M.S. angels is not permitted. Entrance to the Fire Staircase shall be separate and remote from the internal staircase.

15 Staircase shall always be kept in sound operable condition. Emergency lighting arrangements shall be provided in fire escape.

16 Emergency lights shall be provided in all the staircases & corridors, Passageways, Gangways etc

17 Transformer should not be installed in the basement or any upper floors, it should be outside the building. Installation should be done in accordance with relevant norms.

18. Fire Check Floor should be provided at 70 Mtrs. height for the buildings as per provision of DCPR 2017. Proper fire safety arrengment for fire check floor should be provided as per guideline of DCPR 2017.

19 The inspection panel doors and any other opening in the shaft shall be provided with proper mecanisme having the fire resistance of not less than two hours.

20 Refuge area should be provided to each building on a floor immediate floor after Height 24.00 Mtrs., after 39.00 Mtrs & on every 15th Mtrs. height thereafter. The location of the Refuge area should be got approved from Chief Fire officer. The refuge area should be on the front side & should be easily accessible for fire brigade vehicles. If the refuge area is in flat, it shout be properly marked as **"REFUGE AREA"** & easily visible from ground level. Refuge area should be protected with proper fire fighting & life safety system / equipments suggested in the National Building Code of India 2016 & DCPR 2017.

21 Non- Smoking cables should be used for all installations.

22. Dedicated fire duct to be provided with minimum clear size of 700 mm x 1200 mm. (If duct will provide)

23. In future, if the height / structure of the building will be increased / modified more than mentioned height / structure in this NOC, all the conditions from D.C.Rules of PMC & NBC 2016 will be applicable as it is for the future proposed height/structure. This office will not given any type of concession in the conditions for the future height/structure of the said building.

GENERAL REQUIREMENTS FOR SAFETY & LIFE SAFETY :

As per the National Building Code 2016, the other IS and various Acts and Rules, the following recommendations are given for better fire and life safety of occupants and general safety of the buildings:

1. **Increase Structural Integrity :**
The standards for estimating the load effects of potentials hazards (e.g. progress collapse, wind) and the design of structural systems to mitigate the effects of those hazards should be improved to enhance structural integrity. This aspect should be taken in to consider while finalizing the design and construction details of all high rise building in the complex. The recommendations are :
   - Relevant standards should be adopted to prevent progressive collapse
   - More reliable means of predicting the potential for complex failure in structures subjected to multiple hazards; and
   - Adoption of accepted standards for wing tunnel testing of prototype structures and estimating wind load for tall buildings.
2. **Enhanced Fire Resistance of Structures:**
The material used in the construction stage and for carrying out internal finished should have the fire resistance of structures should be enhanced by improving the technical basis for construction classification and fire resistance ratings improving technical basis for standard fire resistance testing methods, using the "structural frame" approach to fire resistance ratings; and developing in service performance requirement and conformance criteria for spray applied fire resistive material (commonly referred to as "fireproofing")
The recommendations are:
   - valuating an appropriate construction classificatio ments-esp making related changes by consideri sponders, full evacuation of occupants fety);
   - Adoption of semblies and systems – including es doing realistic fire and load conditions a
   - Implementin ice performance and as-installed con
3. **New Methods for Fi**
The procedures an should be enhanced by requiring an objec controlled r global (total) collapse Performance- based are an alternative to prescriptive design metho hould include.
(1) Use of new fire materials and technologies f pread of fire within the building and
(2) Use of fire resistant steels and concretes should be done while construction of high rise buildings.
4. **Active Fire Protection:**
Active fire protection systems (i.e. sprinklers, standpipes/hoses, fire alarms and smoke management systems) should be enhanced through improvements to design performance reliability and redundancy of such systems. Among the recommendations in this group are.
   - Installation of fire protection systems to provide redundancy and accommodate the higher risks associated with tall buildings.
   - Installation of advanced fire alarms and communications systems that provide continuous, reliable and accurate information on life safety conditions; and
   - The real time secure transmissions of data from fire alarm and other monitored building systems for use by emergency responders at any location and storage of that data off-site or in a black box.
5. **Improved Building Evacuation:**
The process of evacuating a building should be improved to include systems design that facilitate safe and raped egress; methods for ensuring clear and timely emergency communications to occupants better occupant preparedness for evacuation during emergencies and incorporation of appropriate egress technologies should be implemented in high rise buildings. Among the recommendations are
   - Improving occupant preparedness for building evacuations through joint and wide public education and training campaigns;

- Designing tall building to accommodate timely full building evacuation of occupants if needed – including stairwell capacity and stair discharge door width that accommodates counter flow due to access by emergency responders;
- Maximizing the remoteness of egress components (i.e. stairs, elevators) without making them hard to reach.
- Using cell phones and I-pads for broadcast warning systems and Community Emergency Alert Networks; and
- Incorporation of future use such current and next-generation evacuation technologies as protect/hardened elevators, exterior escape systems and stairwell descent devices etc. should be incorporated in high rise building.

6. **Improved Emergency Response:**

Latest Technologies and procedures for emergency response should be incorporated which will improve better access to building response operations emergency communications, and command and control in large-scale emergencies for high rise building. Among the recommendations are

- Installing fire-protected and structurally hardened elevators to improve emergency response activities, the evacuation of mobility impaired occupants and preferably, all occupants- in tall buildings.
- Installing, inspecting and testing emergency communications systems radio communications and associated operating protocols to ensure that the systems and their protocols will function in challenging radio frequency propagation environments and large-scale operations, and can be used to track emergency responders within a building and
- Developing [illegible] ctive and uninterrupted operation [illegible] gencies.

Improved Proce[illegible]

The procedures [illegible] nd operation of building should be improv[illegible] and quasi-governmental entities, adoption [illegible] or existing buildings and retention and ava[illegible]

7. **Education And T[illegible]**

The professional [illegible] through and education and training efforts [illegible]. The skills of building regulatory and fi[illegible] nt understanding of what is needed to conc[illegible] esponsible. Along with stron[illegible] these recommendations for the building s[illegible]

General Requirement and conditions for the fire and life safety of the buildings:-

(1) The plans of the building should be approved by the Building Control Department, P.M.C. Pune.

(2) The building & drainage completion certificate should be obtained from B.C. Department, P.M.C. Pune. The Occupancy shall be issued subject to **"Final No-Objection Certificate" issued by this department.**

(3) If the **"No Objection Certificate"** for height clearance of the building will be applicable as per the **Notification Dt. 30th September 2015 from "Ministry of Civil Aviation, Govt. Of India"**, it should be obtained by from **Aviation Authorities.**

(4) Proper roads around the building should be provided for easy mobility of fire Brigade Appliance for carrying out fire fighting and rescue operations **& marginal spaces as per above given chart** should be kept free from obstructions all the time. The side roads around the building should have the capacity to withstand the load of **60 tones** of fire appliances.

(5) The basement and upper floors should be separated with proper 2 hrs. fire resistance wall and 1 hrs. fire resistance doors. The staircase provided in high rise residential building should be pressurized and provided with self closing fire doors of 2 hours fire resistance. (If basement will provide)

(6) All portable fire fighting equipments installed at various locations as per local hazard such as Co2 - DCP, Foam as per IS: 2190 & it must be strictly confirming to relevant IS specification. It is recommended for every 100 Sq. Mtrs. one fire extinguisher should be provided for electrical installation Co2 extinguisher of 4.5 Kg should be provided.

(7) All fire fighting equipments shall be well maintained and should be easily accessible in case of emergency.

(8) Emergency Telephone numbers like **"Police", "Fire Brigade" "Hospital", "Doctors", and "Responsible" persons of the office"** should be displayed in Fire Control Room, Security office and in Reception area.

(9) It shall be ensured that security staff & every employee of the office security are trained in handling fire fighting equipment & in fire fighting.

(10) Cautionary boards such as **"DANGER", "NO SMOKING", "EXIT", "FIRE ESCAPE", "FIRE HYDRANT", "EXTINGUISHER"** etc. should be displayed on the strategic location to guide the occupants in case of emergency. The signs should be of florescent type and should glow in dark.

(11) The Fire Exit Drill or Evacuation Drill should plan and instruction should be given to the staff minimum **four times in a year** and drill should be carried out **twice in a year.**

(12) **"On-Site" & "Off-Site"** emergency plan shall be prepared & mock drills shall be conducted twice a year & instructions to every employee shall be given once in three months.

(13) For construction of high rise building noncombustible material shall be used and the internal walls of staircase enclosures should be with minimum of 2 hrs Fire Resistance rating.

(14) The construction should be done considering the seismic zoning and proper care should be taken while designing the building of such a high rise.

(15) A high rise building during construction shall be provided with the following fire protection measures, which shall be maintained in good working conditions at all times.

a) Dry riser of minimum 150 m.m. dia. Pipe with hydrant outlets on the floors constructed with a fire service inlet.

b) Drums filled [illegible] loor

c) A water stor[illegible]000 Ltrs[illegible]ed for other construction purpose also[illegible]

(16) The use of comb[illegible]g) and ceiling affects the safety of the occ[illegible]ven though the structural elements may be [illegible]serious danger to [illegible]erefore, essential to have adequate precaut[illegible]eiling surfaces.

(17) The finishing ma[illegible] shall not generate toxic fumes / smokes.

(18) Automatic smok[illegible]wless buildings.

(19) Natural draft sm[illegible]level, such vents shall be normally open, [illegible] fire, by release of smoke sensitive devices[illegible]

(20) Where smoke ve[illegible]ll be adequate to prevent dangerous accum[illegible]uate the area served using available exit facilities with a merging of safety to allow for unforeseen contingencies.

(21) The florescent glow signs like "Staircase", "Extinguisher", "Fire Escape". "Hydrant Point", Manual Call Point" "Exit", "Lift" Shall be installed on strategic locations in all common areas of the building like passages Corridors etc.

(22) Fire evacuation orders & exit map shall be provided in every floor & in lobbies of the buildings.

(23) Portable rescue chute may be provided near by the Refuge area for easy evacuation of occupants in case of emergency.

(24) The passage ways and the staircase width should be maintained as per DCPR 2017 for all staircases and internal passages, lobbies provided for the building.

(25) The **Annex C** for Fire Protection Requirements for high rise Buildings – 15 Mtrs. in Height or Above of NBC 2016, part 4 should be strictly followed.

(26) The **Annex E, the** Guidelines for Fire Drill and Evacuation Procedures For High Rise Buildings (Above 15m in Height) of NBC 2016, part 4 should be strictly followed and implemented.

(27) Strom water management planning should be done in consultation with Town Planning Department of Govt. of Maharashtra and Pune Municipal Corporation.

(28) **All internal furniture and fixtures used for the building should be fire resistance type and it should not give toxic fumes and smoke in case involved in fire. It should have minimum Two hours Fire Resistance.**

(29) LPG banks should not be stored on upper floor for cooking etc. It should be situated on ground floor outside the building line.

(30) The Glassing and façade other Glasses should have at least one hour fire resistance and be UL approved and in accordance with NFPA requirements.

(31) Breaking of glass the glass can remain in its place some hours before replacement. This will reduce the risk of injuries to occupants and fire & rescue personal. In the event of blast the shock wave created which creates the damage to glass faced the use of film will help to reduce the damages due to glass breaking.

(32) This being a very special type of building if any additional recommendations to be added or deleted depending upon the need of the fire safety requirement of buildings.

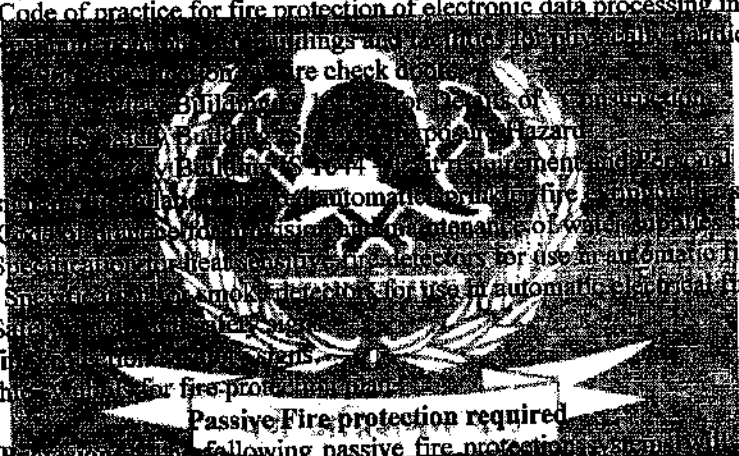
(33) The Chief Fire officer reserves all right to modify the fire safety recommendations and it shall be responsibility of company authorities to maintained close liaison with fire department.

(34) The Fire Officer to be appointed by the company should have advance Diploma of National Fire Service Collage, Govt. of India, Nagpur. He should be responsible for Fire Safety of the building and In charge of Fire Station maintained by the company.

Standard Specifications and Regulations to be followed:

D.C Rules for Class A & B Municipal Council & Part -3 & 4 National Building Code 2016.

a) IS: 3844 – for installation and maintenance of internal fire hydrants and hose reels on premises.
b) IS: 2189 – for selection, installation and maintenance of automatic fire detection and alarm system.
c) IS: 2190 – for selection, installation and maintenance of portable first aid fire extinguishers.
d) IS: 9583 : 1981 Emergency lighting units.
e) IS: 12456: 1988 Code of practice for fire protection of electronic data processing installation.
f) IS: 4963 : 1987 [illegible]
g) IS: 3614 (Part I) [illegible]
h) Code of practice [illegible]
i) Code of practice [illegible]
j) Code of practice [illegible]
k) IS : 15105 – Des[illegible]
l) IS: 9668 : 1990 [illegible]
m) IS 2175 : 1988 S[illegible]
n) IS 11360 : 1985 S[illegible]
o) IS 9457 : 1980 S[illegible]
p) IS 12349 1988 fi[illegible]
q) IS 12407 : Graph[illegible]



Requirement and P[illegible] have to be followed and installed for the Life Safety of the building as per Parts 3 & 4 of National Building Code 2016.

Sr. No	Description
1	**Fire Test General Requirement**: Element / Component shall have the requisite fire resistance performance when tested in accordance with the accepted standards.
2	**Comapartmentation**: The Building shall be suitably compartmentalized so that the fire & smoke remain confined to the area where the fire incident has occurred & does not spread to other part of the building. (If Required)
3	**Smoke Extraction System**: The exhaust system may be continued, provided the construction of the ductwork & fans is such that it will not be rendered inoperable by hot gases & smoke to other floors via the path of extraction system.
4	**Smoke management:** Where smoke venting facilities are installed for the purpose of exist safety these shall be adequate to prevent dangerous accumulation of smoke during the period of time necessary to evacuate the area served using available exit facilities with margin of safety to allow for unforeseen contingencies.
5	**Fire rated ducts:** Where the ducts pass through fire walls the opening around the duct shall be sealed with fire resisting materials having the fire resistant rating of the compartment. Where the duct crosses the compartment which is fire rated for same fire rating. Depending on the services passing around the duct work, which may be affected in case of fire temperatures rising, the ducts shall be insulated.

Sr. No	Description
6	**Cable ducts:** The electric distribution cables/ wiring shall be laid in separate duct. The duct shall be sealed at every floor with non combustible material having the same fire resistance as the fire rating of the duct.
7	**Fire rated ceilings:** The exhaust system may be continued, provided the construction of the ductwork & fans is such that it will not be rendered inoperable by hot gases & smoke & there is no danger of spread of smoke to other floors via the path of extraction system.
8	**Steel protection:** Load bearing steel beams & columns of building having total covered area of 500 Sq. Mtrs and above shall be protected against failure collapse of structure in case of fire. This could be achieved by using appropriate methodology using suitable fire rated materials as per the accepted standards.
9	**Fire escape enclosure :** Fire towers shall be constructed of walls with a 2 hours fire rating without opening other than the exist doorways, with platforms, landing & balconies with the same fire rating of 2 hours.
10	**Glazing:** If glazing or glass bricks are used in a staircase shall have fire rating of minimum 2 hours.
11	**Glazing:** If glass is used as a façade for building it shall have minimum 1 hours fire rating.
12	**Fire Stopping:** Every vertical opening between the floors of a building shall be suitably enclosed or protected as necessary to provide reasonable safety to the occupants while using the means of egress by preventing spread of fire smoke or fumes through vertical opening from floor to floor which will allow the occupants to complete their safe use of means of egress.
13	**Fire Stoppi**[illegible] passage of all building services like [illegible] & telephone [illegible] ed by the enclosure in the form of [illegible]
14	**Fire Stoppi**[illegible] d by wall of 2 hours & doors of 1 h[illegible] ducts /shafts shall be properly [illegible] re stopped at all floors.
15	**Fire stoppi**[illegible] The electrical distribution [illegible] wiring shall be laid in separate du[illegible] materials having the same fire res[illegible] cable duct.

Exit Requirement :

1. An exit may be door[illegible] internal [illegible] taircase, or to a verandah or terrace(s), which [illegible] the street [illegible] of a building [illegible] area. An exit may also include a horizontal [illegible] to an adjoining building at the same level.
2. free of all obstructions [illegible] to full use in the case of fire [illegible]y.
3. Exists shall be clearly [illegible] and signs posted to guide the occupants of the floor concerned. Signs shall be illuminated and wired to an independent electric circuit on and alternate source of supply.
4. To prevent spread of fire and smoke, fire doors with 2 hours fire resistance shall be provided at appropriate places along the escape routes and particularly at the entrance to lift lobby and stair well where a funnel or flue effect may be created inducing an upward spread of fire.
5. All exists shall provide continuous means of egress to the exterior of a building or to an exterior open spaces leading to the street.

Staircase Design Requirement:

1. The minimum headroom in passage under the landing of a staircase and under the staircase shall be provide as per norms.
2. Access to fire staircase shall be through a fire / smoke check door of a minimum 2 hours fire resistance rating.
3. No living space, store or other fire risk shall open directly in to the staircases.
4. The main and external staircase shall be continuous from ground floor to the terrace level.
5. No electrical shafts, A/c ducts or gas pipe etc. shall pass through or open in the staircases Lifts shall not open in staircases.
6. All the staircases shall be provided with mechanical pressurization devices, which will inject the air into staircase, lobbies or corridors to raise their pressure slightly above the pressure in adjacent parts of the building so the entry of toxic gases or smoke in to the escape routes is prevented.

External Staircase or Fire Escape Staircase:- Shall comply the following.

1. Fire Escape shall not be taken into consideration while calculating the number of staircases for the building.
2. Fire escape constructed of M.S. Angels, wood or glass is not permitted.
3. Staircase shall always be kept in sound operable conditions.
4. Fire Escape Staircase shall be directly connected to the ground.
5. Entrance to the Fire Staircase shall be separate and remote from the internal staircase.
6. Care shall be taken to ensure that no wall opening or window opens on to or close to fire Escape Stairs.
7. The route to the external staircase shall be free of obstruction at all times.
8. The Fire Escape stairs shall be constructed of noncombustible materials, and any doorways leading to it shall have the required fire resistance.
9. Not more than 45 Degree from the horizontal.
10. Fire Staircase shall have straight flight not less than 150 c.m. wide with 25 c.m treads and risers not more than 19 c.m. The number of risers shall limited to 15 per flight.
11. Handrails shall be of a height not less than 100 c.m. and not exceeding 120 c.m.
12. The width of the staircase should be maintained as per NBC 2016 for all staircases. All the staircases in the building shall be provided with Pressurization devices. In this method air is injected to the staircases, lobbies, corridors, to raise their pressure slightly above the pressure in the adjacent part of the building. This will prevent ingress of smoke or toxic gases into the escape routes. The Pressurization devices shall be integrated with the smoke & heat detection system. The device should operate automatically after the smoke, heat, etc. is detected by the detector.
13. All the staircase doors on every floor shall be provided with two hours fire resistive doors having panic bars at both the sides.

Staircase Enclosures:-

1. The external enclosi… …struction having the fire resistance of not less… … self closing door of one hour fire resistance. … …scape. The door shall be fitted with the check …
2. The staircase enclos… … the atmosphere at each landing.
3. Permanent vent at th… … and open able sashes at each floor level with… …sure on external shall be provided. The roof c… …There shall be no glazing or the glass bricks i… …core of the building and cannot be ventilated … …operated blower/blower shall be maintained.
4. The mechanism fo… …the same shall operate automatically on fire alarm system/ sprinkler system and be provided with manual operation facilities.

Pressurization of Staircases (Protected Escape Routes):

1. Though in normal building design compartmentation plays a vital part in limiting the spread of fire, smoke will readily spread to adjacent spaces through the vertical leakages opening in the compartment enclosure, such as cracks, opening around pipes ducts, airflow grills and doors, as perfect sealing of all these opening is not possible. It is smoke and toxic gases, rather than flame, that will initially obstruct the free movement of occupants of the building through the means of escape (Escape Routes) Hence the exclusion of smoke and toxic gases from the protected routs is of great importance.
2. Pressurization is the method adopted for protected escape routs against ingress of smoke, especially in high rise building. In pressurization, air is injected into the staircases, lobbies or corridors, to raise their pressures slightly above the pressure in adjacent parts of the building. As a result, ingress of smoke or toxic gases into the escape routes will be prevented. The pressurization of staircases shall be adopted for high rise building and building having mixed occupancy.
3. **The pressure difference for staircases shall be as under :**

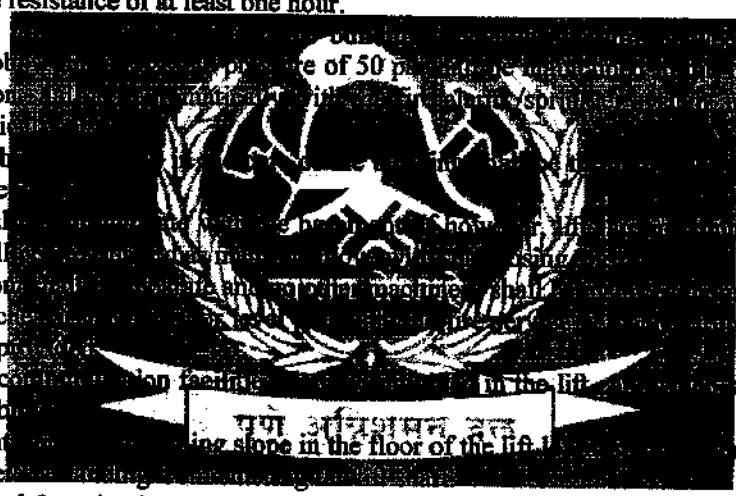
Building height	Pressure Difference	
	Reduced operation (Stage 1 of a 2 Stage System)	Emergency Operations (Stage 2 of a 2 stage systems or Single Stage System)
15m or Above	15 Pa	50 Pa

It is possible the same levels shall be used for lobbies and corridors but levels slightly lower may be used for these if desired. The difference in pressurization levels between staircase and lobbies (or corridors) shall not be greater than 5 Pa.

4. **Pressurization system may be of two types:-**
   a. Single Stage, designed for operation only in event of an emergency, and
   b. Two stage; where normally a level of pressurization is maintained in the protected escape routes and an increases level of pressurization can be brought into operation in an emergency.

LIFT ENCLOSURES:

1. The walls enclosing lift shafts shall have a fire resistance of not less than two hours.
2. Shafts shall have permanent vents at the top not less than 18 c.m. (0.2 sq.m.) in clear area.
3. Lift motor room shall be preferably be sited at the top of the shaft and shall be separate from lift shafts by the enclosing wall of the shaft or by the floor of the motor room.
4. Landing doors in lift enclosures shall open in the ventilated corridor/ lobby & shall have fire resistance of not less than one hour.
5. The number of lifts in one lift bank shall **not exceed four**. Lift car doors shall have fire resistance of not less than one hour. A wall of two hours fire rating shall separate individual shafts in a bank. Minimum one lift in every lift bank must be a **"Fire Lift"**
6. For the building 15 meters and above in height, collapsible gates shall not be permitted for lifts and shall have solid doors with fire resistance of at least one hour.
7. If the lift shaft and [illegible] 25 and 30 pa shall be maintained in the lob[illegible]e of 50 p[illegible] lift shaft. The mechanism for the pressurizatio[illegible] nd it shall be possible to operate this mechani[illegible]
8. Exit from the lift lob[illegible] closing fire smoke check door of one hour fire[illegible]
9. Lift shall not norma[illegible] unication, the lift lobby of the basement shall[illegible]
10. The lift machine roo[illegible] in.
11. Ground switch/switc[illegible] round the lift car/cars in emergency shall be p[illegible]
12. Telephone or other c[illegible] shall be connected to fire control room of the b[illegible]
13. Suitable arrangement[illegible] de to prevent water used during fire fighting e[illegible]
14. A Sign shall be posted & maintained on every floor at or near lift indicating that in case of fire occupants shall use the stairs unless instructed by otherwise. The sign shall also contain a plan for each floor showing the locations of the stairway.
15. Alternate source of supply shall be provided for all the lifts through a manually operated change over switch.



FIRE LIFTS: (For High Rise Buildings)

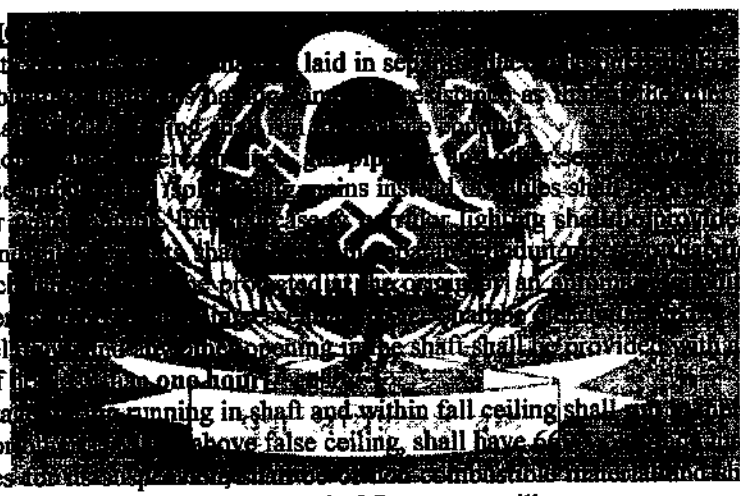
1. To enable the fire service personnel to reach the upper floors with minimum delay, one fire lift per 1200 Sq. Mtrs. of floor area shall be provided and shall be available exclusive use of the fireman in an emergency.
2. The lift shall have floor area not less than 1.4 Sq. Mtrs. It shall loading capacity of not less than 545 Kg (8 person Lift) with automatic closing doors of minimum 0.8 m width.
3. The electrical supply shall be on separate service from electric mains in a building and the cables run in a safe route from fire that is within the lift shaft Lights & Fans in the elevators having wooden paneling or sheet steel construction shall be operated on 24 Volts supply.
4. Fire fighting lift shall be provided with a ceiling hatch for the use in case of emergency, so that when lift car gets stuck up, it shall be easily open able.
5. In case of failure of normal electric supply, it shall automatically trip over to alternate supply. This change over of supply could be done through manually operated changeover switch. Alternatively the lift shall be so wired that in case of power failure, it comes down at ground level and comes to stand still with door open.

6. The operation of lift shall be by a simple toggle or two button switch situated in a glass fronted box adjacent to the lift at the entrance level. When the switch is ON, landing call points will become inoperative & the lift will be on car control or on a priority control device. When the switch is OFF, the lift will return to normal working. This lift can be used by the occupants in normal times.
7. The words "Fire Lift" shall be conspicuously displayed in fluorescent paint on the lift landing doors at each floor levels.
8. The speed of the fire lift shall be such that it can reach topmost floor from ground level in 1 Minute.
9. In Multi Storied and high-rise buildings more than 36 Mtrs. in height, one stretcher lift should be installed.

SERVICE DUCTS /REFUGE CHUTE:

1. Service duct shall be enclosed by walls and doors, if any of two hours fire rating. If ducts are larger than 10 Sq. Meters the floor should seal them, but provided suitable opening for the pipes to pass through with the gaps sealed.
2. A vent opening at the top of the service shaft shall be provided between on fourth and on half of the area of the shaft. Refuge chutes shall have an outlet at least wall of non combustible material with fire resistance of not less than two hours. They shall not be located within the staircase enclosure or service shafts or air conditioning shafts. Inspection panel and door shall be tight fitting with one hour fire resistance, the chutes should be as far away as possible from exists.
3. Refuge Chutes shall not be provided in staircase wall and A/c shaft etc.

ELECTRICAL SERVI



1. The electric distribut… laid in sep… sealed at every alternate floor with non-comb… Low & medium voltage wiring running in sha…
2. Water mains, telepho… all not be laid in the duct of electric cables, use… ains ins… ed.
3. Separate circuits for … d directly from the main switch gear panel an… re in one circuit will not affect the other. Suc… breaker with its no-volt coil removed. Maste…
4. The inspection panel… ir thigh fire doors having the fire resistance of … one hour…
5. Medium & low volta… running in shaft and within fall ceiling shall … al conduit. Any 230 Volt wiring for lighting o… above false ceiling, shall have … ulation. The false ceiling including all fixtures … shall provide adequate fire resistance to the ceiling in order to prevent spread of fire across ceiling.
6. An independent & well- ventilated service room shall be provided on the ground floor with direct access from outside or from the corridor for the purpose of termination of electric supply from service & alternative supply cables. The doors provided for the service room shall have fire resistance of not less than **two hours**. If service room is located at the first basement, it should have automatic fire extinguishing systems.
7. Suitable circuit breakers shall be provided at the appropriate points.

Staircase and Corridor Lighting:

a) The staircase and corridor lighting shall be on separate service and shall be independently connected so as it could be operated by one switch installation on the ground floor easily accessible to fire fighting staff at any time irrespective of the position of the individual control of the light points, if any. It should be of miniature circuit breaker type of switch so to avoid replacement of fuse in case of crisis.
b) Staircase and corridor lighting shall also be connected to alternate source of supply. The alternative source of supply may be provided by battery continuously trickle charged from the electric mains.
c) Suitable arrangement shall be made by installing double throw switches to ensure that the lighting installed in the staircase and the corridor do not get connected to the source of supply simultaneously. Double throw switch shall install in the service room for terminating the stand by supply.
d) Emergency lights shall be provided in the staircase/corridor.
e) All wires & other accessories used for emergency lights shall have fire retardant property.

f) A Stand-by electric generator shall be installed to supply power to staircase and corridor lighting circuits, fire lifts, the stand-by fire pump, pressurization fans & blowers, smoke extraction and damper system in case of failure of normal electric supply. The generator shall be capable of taking stating current of all the machines & circuits stated above simultaneously. It the stand-by pump is driven by diesel engine, the generator supply need to be connected to the stand-by pump or parallel HV/LV supply from a separate sub station shall be provided with appropriate transformer for emergency. If this arrangement is provided then the arrangement of generator is not mandatory.

Emergency and Escape lighting.

1. Emergency lighting shall be powered from a source independent of that supplying the normal lighting.
2. Escape lighting shall be capable of
   A. Indicating clearly and unambiguously the escape routes.
   B. Providing adequate illumination along such routes to allow safe movement of persons towards and through the exists.
   C. Ensuring that fire alarm call points and fire fighting equipments providing along the escape routes can be readily located.
3. The horizontal luminance at floor level on the centerline of an escape route shall be not less than 10 lux. In addition , for escape routes up to 2 m wide, 50 percent of the route width shall be lit to a minimum of 5 lux.
4. The emergency lighting shall be provided to be put on within 1 hours of the failure of the normal lighting supply.
5. Escape lighting luminaries should be sited to cover the following locations
   a) Near each inters
   b) At each exit doo
   c) Near each chang
   d) Near each staircase
   e) Near any other c
   f) Outside each fin
   g) Near each fire al
   h) Near fire fighting
   i) To illuminate ex
6. Emergency lighting one luminaries doe not further reduce the ef
7. The luminaries shall level.
8. Signs are required a emergency exits and escape routes. Which comply with the graphic requirements of the
9. Emergency lighting
10. It is essential that the wiring and installing of the emergency lighting system are of high quality so as to ensure their perfect serviceability at all times
11. The emergency fighting system shall be capable of continuous operation For a minimum duration of 1 hour and 30 minutes even for the smallest premises.
12. The emergency lighting system shall be well maintained by periodical Inspections and tests so as to ensure their perfect serviceability at all times.

Illumination of Means of Exit : Staircase and corridor lights shall confirm to the following.

a) The staircase and corridor lighting shall be on separate circuit and shall be Independently connected so that it could be operated by one switch Installation on the ground floor easily accessible to fire fighting staff at any time irrespective of the position of the individual control of the light points. if any. It should be of miniature circuit breaker type of switch so as to avoid replacement of fuse in case of crises.

b) Staircase and corridor lighting shall may be connected to alternative supply The alternative source of supply may be provided by battery continuously trickle charges from the electrical mains: and

c) Suitable arrangements shall be made by installing double throw switches to ensure that the lighting installing in the staircase and the corridor does not get connected to two sources of supply simultaneously. Double throw switch shall be installed in the service room for terminating the sand by supply.

AIR – CONDITIONING:

a) Air conditioning system should be installed and maintained so as to Minimize the danger of spread of fire smoke and fumes thereby from one floor of fire area to another or from outside into any occupied building or structure.

b) Air conditioning systems circulating air to more than one floor area should be provided with dampers designed to closed automatically in case of fire and thereby prevent spread of fire or smoke. Such a system should also be arranged with automatic controls to stop fans in case of fire, Unless arranged to remove smoke from a fire in which case these should be designed to remain in operation.

c) Air conditioning system serving large places of assembly (over one thousand persons) should be provided with effective means for preventing circulation of smoke through the system in the case of fire air insufficient heat to actual heart sensitive devices controlling fans or Dampers. Such means shall consist of approved effective sensitive control.

AIRE CONDITION SYSTEM SHOUL DBE CONFIRM TO THE FOLLOWING :-

1. Escape routes like staircases, common corridors, lift lobbies etc. shall not be used as return air passage
2. The ducting shall be constructed for substantial gauge metal in Accordance with IS:655-1963 (Revised)
3. Wherever the ducts pass through firewalls or floors the opening around the ducts shall be sealed with fire resisting materials such as asbestos Rope vermiculite concrete, glass wool etc.
4. Where ducts crosses through a compartment which is fire rated the ducts shall be fire rated for some fire rating. Other service ducts around the ducts work, which may get affected in case of fire temperature raising the ducts shall be insulated.
5. As far as possible, m… above false ceiling.
6. Where plenum is use… iling & it… ustible material.
7. The materials used f… mbustible material. Glass wool shall not be wr…
8. Area more than 750 … & automatic fire dampers for isolation shall be …
9. The fire dampers sha…
10. Air ducts serving ma… losure.
11. The air handling uni… all be separated & in no way inter connected …
12. If the air handling un… ompleted
    i) Proper arrangem… of automa… working on … ectors or fusible link for isolation all duct… floor from the main riser shall be made
    ii) When the automa… erates the respective air handling … condition system shall automatically be …
13. The vertical shaft for treated fresh air shall be of masonry construction
14. The air filters of air handling units shall be of non combustible materials. The A.H.U. room shall not be used for storing any combustible materials.
15. Inspection panels shall be provided in the main turning to facilitate the cleaning of the ducts of accumulated dusts and to obtain access for maintenance of fire dampers.
16. No combustible material shall be fixed nearer than 150 mm to any duct unless such duct is properly enclose & protected with non combustible material (glass wool or sunglass with neoprene facing enclosed & wrapped with aluminum sheeting) at least 3.2 mm thick and which would not readily conduct heat

FIRE DAMPERS:

a) These shall be located in conditioned air ducts/ passages at the following points.
    1. At the fire separation wall
    2. Where ducts /passages enter the central vertical shaft.
    3. Where the ducts pass through floors.
    4. At the inlet of supply air ducts & the return air ducts of each compartment on every floor.

b) The dampers shall operate automatically and shall simultaneously switch off the air handling fans. Manual operation facilities shall also be provided.

c) Fire /Smoke dampers for smoke extraction shafts for the building more then 24 Mtrs. in height should be provided.

d) Automatic fire dampers shall be so arranged so as to close by gravity in the direction of air movement and to remain tightly closed on operation of a fusible link.

TRANSFORMER :

1. Transformers shall not be installed on upper floors on in the basement.
2. The switchgears shall be housed in a separate room separate from the transformer bays by a fire resisting wall with fire resistance of not less than four hours.
3. The transformers shall be protected by providing proper fire protection
4. A tank of RCC construction of capacity capable of accommodating entire oil from the transformers shall be provided at lower level to collect the oil from the catch pit to the tank shall be of non–combustible construction and shall be provided with a flame–arrestor.
5. No grass or shrubs shall be allowed to grow in transformer switchyard.
6. A barbed wired fencing of minimum 1.5 height shall be provided around transformer switchyard & the gate shall be provided for entrance. The gate should be always locked & the keys should be kept with authorized/ responsible person of the company.
7. Danger/ No smoking board shall be displayed at the entrance gate of Transformer switchyard.

BASEMENT (If provided for the building) :-

1. Automatic sprinkler system should be provided for entire basement. Distance between 2 sprinklers should be maintain 3×4 Mtrs.
2. De watering arrangement should be made in the basement. Separate dedicated de watering pumps should be provided.
3. The sprinkler pump should be separate and should be interlink with wet riser.
4. The basement shoul[illegible]
5. The staircase should [illegible] resistance [illegible] the upper floors shall not communicate to the [illegible] floor shall be provided for basement.
6. The alternate power [illegible] at all [illegible]
7. Proper mechanical [illegible] in basement[illegible]

HELIPAD PROVISION: [illegible] the height of the above said building [illegible] increased & provision of HELIPAD will be applic[illegible] height should be provided as per the guidelines of National Building Code of India 2016, NFP[illegible] shall also be required for [illegible]

The provisions mention below should be provide for the buildings as per NBC 2017, Schedule I of MFP&LSM Act 2006 NBC 2016

Sr. No	Protection	Requirements	Provision	Remarks
01	Fire Extinguishers for A.B.C. class of fires	Required	As per IS 2190	At strategic Location
02	Hose Reel Hose with jet & spray multipurpose nozzle	Required near fire staircase of each building	Rubber hose preferably yellow fluorescent, 19 mm ID ISI marked, not less than 20.00 Mtrs.	
03	Court Yard hydrant of Ring Hydrant System around Buildings	Required with couple of delivery hose.	Confirming to IS;3844:1989, IS:13039:1991	Spacing at not more than 45.00 Mtrs.
04	Wet Riser cum down comer	Required in fire staircase of each building	"C" class ISI marked – 6" dia. Pipeline of Zenith / Jindal / TATA / Surya / APL Apollo / Siddhartha /Bhushan make	
05	Automatic Sprinkler System	Required at all entire floors including corridors, lobbies & passages of each building.	Confirming to IS:15105:2002	Distance should be maintain 3×4 Mtrs. between sprinklers.
06	Manually Operated Fire Alarm System.	Required		On each floor near each staircase

Sr. No	Protection	Requirements	Provision	Remarks
07	Automatic Detection & Alarm System with control panel	Required at all floors including, lobbies, corridors & passages of each building.	Confirming to IS:2189:1999 & IS:11360:1985 & 2175:1988	Addressable Fire alarm & detection system recommend
08	Underground Static Storage tank	Required 2,00,000 ltrs. separately for each building (Capacity of the U.G.Water tank should be provided as per the guideline of N.B.C. 2016.)		
09	Terrace Tank	Required 20,000 ltrs.	Above each staircase of each building on terrace floor for independent water supply to wet riser cum down comer.	
10	1.Fire Brigade Connection For Static Water Tank (with 4 way) 2.Hydrant Sprinkler Riser System (with 3 way) 3.External hydrant ring main (with 4 way)			Near the entry point of the building.
11	Set of Fire pumps- main Pumps on Underground water tank Booster Pumps On terrace level with stand by pump.	2 Nos. 2850 lpm Electrical driven 1 No. 2850 lpm Diesel driven 1 No. 180 lpm jockey pump electrical driven 1 No. 900 lpm electrical driven (Booster pump) (pressure should be maintain at the farthest point of the building) All Fire pumps (except jockey & booster		Positive fire pump suction preferred Pumps of Kirloskar / Crompton / Mather & Platt, Lubi makes
12	Fire Dampers			ns for metal air ducts
13	Fire Lift			to the building.
14	Refuge Area			C.Rules.
15	Fire Doors			with panic bar R.A.I.only) Confirming & NBC 2016.
16	Safety signs & E	Fluorescent type	IS:12349:1988 & IS:2407:	On all strategic locations
17	Compartmentati floors		016.	
18	Pressurization of fire/ escape staircases/ Fire lift	Required	For Highrise buildings above 24 Mtrs. height.	
19	Fire Resistance insulation or sealing of floor or compartment ducts.	Required for limiting the spread of heat & smoke		
20	Emergency Lights	Required		
21	De watering system	Required at basement (if provide) with separate de watering pump.		
22	PA System with talk Back Facility	Required to each floor near fire staircase / common passages and in refuge area.		
23	Auto D.G. Backup	Required for all fire safety systems & fire lift		
24	Fire Resistance rating for Glass used for facade	Required		

...14/-

The other provisions laid in the D.C. Rules of PMC & N.B.C. 2016- Part IV should be strictly followed.

Regular Training and Maintenance of these systems should be carried out by the housing society / builders. As per provisions made in Maharashtra Fire Prevention And Life Safety Act 2006, the necessary Fire Service Fees and Annual Fees should be paid to PMC before obtaining the Final Fire NOC. All other provisions of D.C. Rules of Pune Municipal Corporation & National Building Code Of India- 2016 should be strictly adhered. The erection and installation work of the fire fighting system shall be done by the licensed contractor, having license from Director, Maharashtra Fire services or Chief Fire Officer, Pune Fire Brigade. The list of the license contractor is available on www.maharashtrafireservices.org. The copy of the work done & the license certificate should be attached with the relevant paper before obtaining Final Fire NOC. The submitted plans to our office and a copy of which is forwarded to High Rise Committee are found to be complaint to the above provisions and are conform by the undersign during the side inspection. Hence, this provisional NOC is issue.

This is a **"Provisional No Objection Certificate "** which shall be treated valid for the period of **ONE YEAR** from the date of issue. After providing the above fire prevention and protection system and after scrupulous compliance of above recommendations the inspection of the fire prevention & protection arrangements will be carried out & after satisfactory inspection **"Final No Objection Certificate"** may be issued to your building which may please be noted. This provisional NOC is issued only considering from the point of view of fire & life safety of the occupants. All other approvals related to structure should be got approved from the competent authorities.

The undersigned reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the said building.

Note : 1) If the height / structure of the building will be increased / modified than mentioned height / structure in this NOC proposal, it shall be mandatory to take the revised provisional fire NOC from this department for the building.

2) This provisional Fire No Objection Certificate issued for this proposal is given subject to approval of the High Rise Committee, Pune.

3) Previous Provisional fire NOC issued vide NO.FB/5379, Dt. 23.03.2020 is deemed to be cancelled.

4) Point No. 9 on the 1st page of this NOC is very important for the balance payment of the proposal.

(Prashant D. Rampise)
Chief Fire Officer
Pune Municipal Corporation

Copy to : Dy. Engineer (B.C.)
Pune Municipal Corporation.

Office of the Chief Fire Officer
Pune Municipal Corporation
Out W.No : FB/ 4355
Date : 14/12/2023

(65/2022)

To,
Shaikh Zuber Rashid Architect,
Off East Street, Pune.

Sub:- Part Final Fire NOC for the Building at S.No.22/2 , Plot No. B1, Kharadi, Pune. (For Wing F only)

(For Building Part Height – 14.40 Mtrs. & Total Part Built up Area –1417.14 Sq.Mtrs, for 1st & 2nd floor only)

Ref :- i) Your Office letter Dt. 30.11.2023.
ii) Provisional Fire Noc No. FB/697, Dt.23.05.2022.
iii) Part Final Fire Noc No. FB/5646, Dt.14.03.2023.
iv) Building Control Department, PMC No. CC/1539/21, Dt.06.09.2021.

Sir,

As per your request, the representative of this Fire Department has visited the proposed site along with Mr. Sanjay Urmode at on Dt.25.11.2023 and tested the Hydrant system, Hose Reel system with equipments and portable fire extinguishers suggested in Provisional Fire Noc No. FB/697, Dt.23.05.2022 issued by Fire Department.

The suggestions for fire protection arrangements as mentioned in the Provisional Fire N.O.C. are made by M/s. SFS Fire Protection India Pvt.Ltd., Pune **"FORM A"** to that effect is submitted to this office for the fire prevention, protection & fire fighting system installed in the above said building as per The Maharashtra Fire Prevention & Life Safety Measures Act 2006. Annual fee is paid by challan No. 39601, Dt.05.12.2023, Rs.5,800/-

The fire fighting equipments and systems installed in the building should be maintained in high efficiency state and in proper working order at all time during the use of the building by owner or occupier. It will be your responsibility to get the yearly renewal of this Fire NOC after due inspection from the Fire Brigade authorities. The maintenance work of the fire fighting system shall be done by the licensed contractor, having license from Director, Maharashtra Fire services or Chief Fire Officer, Pune Fire Brigade. The list of the license contractor is available on /www.maharashtrafireservices.org.

Name of the person, owner, responsible for the building maintenance should be informed to this office. Fire protection system provided in the building should not be removed from the building for any reason.

This Part Final No objection is subjected to any other conditions laid by any other department.

Scrutiny by;

(Vijay T. Bhilare)
Asst. Divisional Officer
Pune Municipal Corporation

14/12/23
(Devendra Potphode)
Chief Fire Officer
Pune Municipal Corporation

Copy to : Dy. Engineer (B.C.), PMC

Office of the Chief Fire Officer
Pune Municipal Corporation
Out W.No : FB/ 2342
Date : 06/08/2024

(65/2022)

To,
Shaikh Zuber Rashid Architects,
Camp, Pune.

Sub:-Final Fire NOC for the commercial building at S.No.22/2, Plot No.B1, Kharadi, Pune.
(For Commercial Building 'F' only)
(For Building Height-17.70 Mtrs. & Total Built up Area -2950.88 Sq. Mtrs., only)

Ref : i)Your Office letter Dt.25.07.2024.
ii) Provisional Fire Noc No.FB/697, Dt.23.05.2022.
iii) Part Final Fire Noc No.FB/5646, Dt.14.03.2023.
iv) Part Final Fire Noc No.FB/4355, Dt.14.12.2023.
v) Building Control Department,PMC No. CC/2332/23, Dt.19.12.2023.

Sir,

As per your request, the representative of this Fire Department has visited the proposed site along with Mr. Sanjay Urmode on Dt. 27.07.2024 and tested the Hydrant system, Hose Reel system with equipments and portable fire extinguishers suggested in Provisional Fire Noc No. FB/697, Dt.23.05.2022 issued by Fire Department.

The suggestions for fire protection arrangements as mentioned in the Provisional Fire N.O.C. are made by M/s. SFS Fire Protection India Pvt. Ltd., Pune **"FORM A"** to that effect is submitted to this office for the fire prevention, protection & fire fighting system installed in the above said building as per The Maharashtra Fire Prevention & Life Safety Measures Act 2006. Annual fee is paid by challan No.6096, Dt.01.08.2024, Rs.5,900/-

The fire fighting equipments and systems installed in the building should be maintained in high efficiency state and in proper working order at all time during the use of the building by owner or occupier. It will be your responsibility to get the yearly renewal of this Fire NOC after due inspection from the Fire Brigade authorities. The maintenance work of the fire fighting system shall be done by the licensed contractor, having license from Director, Maharashtra Fire services. The list of the license contractor is available on /www.maharashtrafireservices.org.

Name of the person, owner, responsible for the building maintenance should be informed to this office. Fire protection system provided in the building should not be removed from the building for any reason.

This Final No objection is subjected to any other conditions laid by any other department.

Scrutiny by

(Vijay T. Bhilare)
Asst. Divisional Officer
Pune Municipal Corporation

06/8/24

(Devendra Potphode)
Chief Fire Officer
Pune Municipal Corporation

Copy to : Dy. Engineer (B.C.), PMC

DEPT. CODE No. 63

RI24I101

पुणे महानगरपालिका

६५/२०२२

चलन / पावती

दि ३१/०७/२०२४

6096

खात्याचे नाव : अग्निशमन दल, पुणे

मालकाचे नाव : आर्कि - शेख जुबेर रशीद

पत्ता : पुणे

कामाचा तपशील : रक्कम ₹

स.नं. २२१२(पी), प्लॉट-बी१, खराडी, पुणे

वार्षिक फी - ५,९००/-

सन २०२४-२०२५

एकूण ₹ ५,९००/-

एकूण रक्कम ₹ पाच हजार नऊशे रुपये फक्त/-

व्यावसायिक इमारतीची 'एफ' - ५५.७०मी

३१/७/२०२४

विजय सुतेप्रमुखजारे

सहाय्यक विभागीय अधिकारी

अग्निशमन दल

पुणे महानगरपालिका

वरीलप्रमाणे रोख / चेक / मनिऑर्डरने मिळाले

1 AUG 2024

CASH RECEIVED

पैसे मिळाल्याचा बँकेचा शिक्का

स्वाक्षरी :

दिनांक :

पु.मु.मु.मुद्रणालय, पुणे मनपा. (१०० पानी १००० पुस्तके) १२-२३ - म.सा. ११६

कार्यकारी अभियंता कार्यालय
मलनिःसारण देखभाल व दुरुस्ती
पुणे महानगरपालिका
जावक क्र.:- ३८७
दिनांक :- १९/०५/२०२२

प्रति,
गोयल गंगा डेव्हलपर्स प्रा.लि तर्फे श्री.अतुल जयप्रकाश गोयल,
सन माहू कॉम्पलेक्स, ३ रा मजला, ५ बंड गार्डन रोड,
कॅम्प पुणे-४११००१.

विषयः मौजे गाव खराडी, तालुका हवेली जिल्हा पुणे, स.नं.२२ हिस्सा नं.२ या मिळकती मधील नियोजित बांधकामासाठी इनव्हायरमेंटल क्लियरन्ससाठी ड्रेनेज विभागाकडून प्रोव्हीजनल दाखला देणे बाबत.

संदर्भ : १) केंद्रीय पर्यावरण व वन मंत्रालय नवी दिल्ली यांचेकडील अधिसुचना दि.१४/०९/२००६
२) **गोयल गंगा डेव्हलपर्स प्रा.लि तर्फे श्री.अतुल जयप्रकाश गोयल** यांचा खात्याकडील प्रस्ताव आ.क्र.२९२ दि.१७/०५/२०२२.
३) मा.अधिक्षक अभियंता, मलनि:सारण देखभाल दुरूस्ती विभाग यांची प्रशासकीय मान्यता ठ.क्र.मलनि/EC/१४७/२०२२ दि.१९/०५/२०२२.

विषयांकित मिळकती साठी संदर्भ क्र.१ अन्वयेच्या अधिसुचनेनुसार मलनि:सारण देखभाल दुरूस्ती विभागाकडील इनव्हायरमेंटल क्लियरन्ससाठी प्रोव्हीजनल दाखला घेणे आवश्यक आहे. त्यानुसार विषयांकित मिळकतीकरीता इनव्हायरमेंटल क्लियरन्ससाठी ड्रेनेज विभागाकडून प्रोव्हीजनल दाखला मिळणेकरीता संदर्भ क्र.२ अन्वये **गोयल गंगा डेव्हलपर्स प्रा.लि तर्फे श्री.अतुल जयप्रकाश गोयल** यांनी प्रस्ताव दाखल केला असून प्रस्तावा सोबत प्रस्तावित बांधकाम नकाशे, कमेंन्समेंट सर्टिफिकेट अहवाल इत्यादी कागदपत्रे दाखल केलेली आहे. प्रस्तावाची छाननी केली असता त्यामध्ये खालील बाबी नमुद केलेल्या आहेत.

१	मिळकतीचे क्षेत्रफळ	– १३६५२.४२ चौ.मी.
२	बिलटप ऐरिया (एफ.एस्.आय + नॉन एफ.एस्.आय)	– ४१३२३.३८ चौ.मी+ २५९७५.४० चौ.मी. = ६७२९८.७८ चौ.मी.
३	इमारतीची संख्या	– इमारती ४ D, E – उंची ९५.१५ मी. F उंची- १७.७० मी. क्लब हाऊस उंची- ६.४५ मी.
४	निवासी सदनिका संख्या	– ४००
५	व्यापारी गाळे संख्या	– दुकाने-२९, ऑफिसेस-२१.
६	मान्य नकाशा प्रत	– आहे.
७	जा.क्र.सी.सी./०००७/२०२२ दि.१/०४/२०२२	– आहे.
८	आवश्यक पाणी पुरवठा	– निवासी+वाणिज्य वापराकरीता ३३७.०० KLD
९	तयार होणारे मैलापाणी	– निवासी+वाणिज्य वापराकरीता २८५.५५ KLD
१०	सिवरेज टिंटमेंट प्लॅटची आवश्यक क्षमता	– निवासी+वाणिज्य वापराकरीता २८५.५५ KLD
११	सिवरेज टिंटमेंट प्लॅटची प्रस्तावित क्षमता	– निवासी+वाणिज्य वापराकरीता १)२६५+२)४५ ३१०.०० KLD
१२	एस.टी.पी डिझाईन ची ड्राईंग्ज व अहवाल	– सोबत जोडला आहे.
१३	मंजूर/प्रस्तावित नकाशात एस.टी.पी दर्शविलेला आहे का? असल्यास मोजमापे	– लायसन्स आर्किटेक्ट यांनी सादर केलेल्या प्रस्तावित नकाशात दर्शविला आहे.
१४	पाण्याचा पुर्णवापर करण्याच्या उपाययोजना	– गार्डन, फ्लशिंग व इत्यादी
१५	जागेवर एस.टी.पी. च्या अनुषंगाने सुरक्षेच्या दृष्टीने केलेल्या उपाय योजना	– नियोजित एस.टी.पी चे सुरक्षिततेच्या दृष्टीकोणातुन एस.टी.पी चे क्षेत्र लगतच्या बांधकामापासून स्वंतत्र ठेवण्यासाठी आवश्यक भिंत/गेट इ.बांधकाम करणे विकसकावर बंधनकारक राहील.

मा.अधिक्षक अभियंता मलनिःसारण विभाग यांची संदर्भ क्र.३ अन्वये खालील अटीस अधिन राहून नियोजित बांधकामासाठी ड्रेनेज विभागाचा अंतरिम पर्यावरण ना हरकत दाखला (प्रव्हिजनल NOC) देणेस हरकत नाही.

१) विषयांकित मिळकती मधील इमारतीतील बेसमेंट चे कनेक्शन व एस.टी.पी चे कनेक्शन पुणे महानगरपालिकेच्या ड्रेनेज लाईन यास जोडू नये.

२) एकुण बांधकाम क्षेत्र (FSI+NON FSI) ६७२९८.७८ चौ.मी पर्यंत मर्यादीत ठेवावे तथापी अर्जदाराने सादर केलेल्या संकल्पनात्मक नकाशात कोणताही फेरबदल केल्यास अर्जदाराने सुधारीत अर्ज सादर करणे बंधनकारक राहिल.

३) नैसर्गिक निचरा व्यवस्थेमध्ये बदल करता येणार नाही. व पानथळ जागेत कोणतेही बांधकाम करता येणार नाही.

४) पाणी कार्यक्षम उपकरनांचा वापर करणे आवश्यक राहिल किमान एक रिचार्च प्रति ५००० चौ.मी बांधकाम क्षेत्रासाठी नियोजित करणे आवश्यक राहिल. व पावसाच्या पाण्याचा रिचार्ज उथळ सछिद्र पर्यंतच मर्यादित ठेवावे लागेल पाणी रिचार्ज करणे शक्य नसल्यास पावसाच्या पाण्याची साठवण टाकी करावी लागेल तसेच भुजल उपसाकरीता सक्षम अधिकाऱ्याकडून परवानगी घ्यावी लागेल.

५) आला व सुख्या कचऱ्या करीता सदर जागेत स्वतंत्र कंटेनर ची सोय करून सुखा कचरा अधिकृत विक्रेत्याला द्यावा लागेल. विघटन होणाऱ्या आला कचऱ्यासाठी गांडूळ खत प्रकल्प अर्जदार/विकसक/जमिन मालक यांनी स्वखर्चाने करावयाचा आहे.

६) Solid Waste (Management) rules 2016 e-waste (Management) rules 2016 & Plastic waste (Management) rules 2016 च्या तरतुदचे पालन करावे लागेल.

७) सार्वजनिक स्वच्छता व आरोग्य उपविधी २०१७ मधील सर्व अटी विकसकांवर बंधनकारक राहतील.

८) पर्यावरण विभाग व महाराष्ट्र पोल्युशन कन्ट्रोल बोर्ड यांचेकडील एस.टी.पी बाबत कन्सेंट ट ऑपरेट लेटर इ. प्राप्त करण्याची जबाबदारी इतर सर्व अटी विकसकावर बधंनकारक राहतील.

९) निवासी+व्यापारी+नर्सिंग वापराकरीता १) २६५+२)४५= ३१०.०० के.एल.डी प्रति दिन क्षमतेचा रहिवासी सांडपाणी प्रक्रिया यंत्रणा (Sewage Treatment Plent) बसवावा लागेल व सांडपाणी यंत्रणेमधून निघणाऱ्या गाळाची विल्हेवाट Centeral Public Helth And Environmental Engineering Organisation (C.P.H.B.EO.) च्या नियमावली प्रमाणे करावी लागेल.

१०) प्रक्रिया केलेल्या सांडपाण्याचा वापर फ्लशिंग आणि लॅन्डस्कॅपिंग साठी करावा लागेल तसेच अतिरिक्त सांडपाण्याची विल्हेवाट सेंट्रल पोल्युशन कन्ट्रोल बोर्ड (C.P.C.B) नियमावली प्रमाणे करावी लागेल.

११) Energy Conservation Building code (E.C.B.C.) च्या तरतुदीचे पालन करावे लागेल व सामान्य क्षेत्रामध्ये L.E.D दिवे लावावे लागतील.

१२) सौर उर्जेवर पाणी तापविण्यासाठी ची यंत्रणा अर्जदार/विकसक/जमिनमालक यांनी इमारतीचे वापरापुर्वी स्वखर्चाने करावयाची आहे.

१३) बांधकामातील वेस्टेजची व्यवस्था व विल्हेवाट लावण्यासाठी Constraction and demolition Waste rules 2016 चे पालन करावे लागेल व जमीनीवरील मातीचा जास्तीत जास्त पुर्नवापर करावा लागेल.

१४) पर्यावरण अनुकूल असलेले बांधकाम साहित्य वापरावे लागेल.

१५) D.G Set चा exhaust pipe C.P.C.B च्या नियमावलीनुसार करावा लागेल.

१६) विषयांकित मिळकतीच्या जमिनीच्या क्षेत्रफळानुसार पुणे महानगरपालिकेच्या मान्य धोरणानुसार आवश्यक झाडे/वृक्ष लागवड करणे व त्याची जोपसना करणे अर्जदार/विकसक/जमिनमालक यांचेवर ते बंधनकार राहिल.

१७) बांधकाम कामगारांकरीता पिन्याचे पाणी व स्वच्छता विषयक सुविधा देणे बंधनकारक राहिल.

१८) पर्यावरणाच्या नियमावलीचे उल्लंघन केल्यास Environment (Protection) Act 1986 च्या कलमान्वये अर्जदार यांचेवर कायदेशीर कारवाई केली जाईल.

१९) विषयांकित मिळकती मधील नियोजित इमारतीचे बांधकाम मंजूर नकाशा नुसार पुर्ण झाले नंतर संबधित क्षेत्रिय कार्यालयाकडे एस.टी.पी चा नाहारकत प्रमाणपत्रा करीता प्रस्ताव दाखल केल्यानंतर भविष्यात म.न.पा.चे तत्कालीन धोरणानुसार व नियमानुसार योग्य ती पुर्तता केल्यानंतर एस.टी.पी साठी अंतिम नाहारकत दाखला मिळणेकामी स्वतंत्र पुणे संबधित क्षेत्रिय कार्यालयाकडे मंजूरी घेणे विकसाकावर बंधनकारक राहिल.

२०) अर्जदार यांनी सादर केलेली कोणतीही माहिती अथवा कागदपत्रे हि चुकीची/ दिशाभुल करणारी अढळल्यास प्रस्तुतची इनव्हायरमेंटल क्लिअरन्सकरीता दिलेला प्रोव्हिजनल दाखला रद्द करण्यात येईल.

तरी **मौजे गाव खराडी, तालुका हवेली जिल्हा पुणे, स.नं.२२ हिस्सा नं.२** या मिळकती मधील नियोजित बांधकामासाठी वरील क्र.१ ते २० या अटींवर इनव्हायरमेंटल क्लियरन्सकरीत ड्रेनेज विभागाकडून प्रोव्हीजनल दाखला संबधित विकसकास देणे करीता मा.अधिक्षक अभियंता, मलनि:सारण विभाग यांची ठ.क्र.मलनि/EC/१४७/२०२२ दि.१९/०५/२०२२ अन्वये मान्यता मिळालेली असून त्यानुसार सदरचा दाखला आपणास देण्यात येत आहे.

शाखा अभियंता मलनि:सारण देखभाल व दुरुस्ती पुणे महानगरपालिका	उप अभियंता मलनि:सारण देखभाल व दुरुस्ती पुणे महानगरपालिका	कार्यकारी अभियंता मलनि:सारण देखभाल व दुरुस्ती पुणे महानगरपालिका

कार्यकारी अभियंता कार्यालय
बंड गार्डन पाणी पुरवठा
पुणे महानगरपालिका
जावक क्र. 200
दिनांक 19/5/२०२२

PROVISIONAL WATER CERTIFICATE

प्रती,
श्री. अतुल जयप्रकाश गोयल (संचालक)
गोयल गंगा इंडिया प्रा. लि.
सान माहू कमर्शियल कॉम्प्लेक्स,
५, बंड गार्डन रोड, पुणे - ४११००१

विषय :- गोयल गंगा इंडिया प्रा. लि. तर्फे संचालक श्री. अतुल जयप्रकाश गोयल, यांनी स.नं. २२ हिस्सा नं. २ प्लॉट नं. बी १, खराडी, पुणे येथील होणाऱ्या प्रकल्पासाठी पर्यावरण नाहरकत प्रमाण पत्रासाठी पाणी पुरवठा विभागाचे अभिप्राय बाबत.

संदर्भ :- १) बंडगार्डन पाणी पुरवठा, आवक क्र. ३०६ दि. १७/०५/२०२२
२) बंडगार्डन पाणी पुरवठा, जा.क्र. १५६४ दिनांक १८/०२/२०२२ अन्वये विषयांकित मिळकतीस यापूर्वी दिलेले पर्यावरण नाहरकत दाखला.

संदर्भाकीत पत्रान्वये विषयांकीत नियोजित प्रकल्पास पर्यावरण नाहरकत पत्र मिळणेसाठी पाणी पुरवठा विभागाचा ना-हरकत दाखल्याची मागणी आपण केली आहे. यापूर्वी सदर मिळकतीकरीता संदर्भ क्र. २ अन्वये २२८ के.एल.डी. करिता नाहरकत पत्र देण्यात आले होते. आता सदर प्रकल्पासाठी २१४ के.एल.डी. रहिवाशी / वाणिज्य प्रकल्पासाठी इतक्या पाण्याची गरज असल्याचे संदर्भांकीत पत्रात नमूद केले आहे. त्या अनुषंगाने खालील १ ते १४ अटींचे आधीन राहून पाणी पुरवठा विभागाचा ना-हरकत दाखला देत आहोत.

१) विषयांकीत मिळकतीवरील प्रकल्पास भोगवटा पत्र प्राप्त झाल्यानंतर भोगवटा असणाऱ्या प्रकल्पास यांचे प्रमाणात पाणी पुरवठा करणे करीता नळजोड प्रस्ताव सादर करणार.
२) विकसकाने स्वःखर्चाने मनपाचे सुचनेनुसार जलवाहिनी विकसित करणार.
३) एस.टी.पी. बाबत स्वतंत्र माहिती खात्यास सादर करणार व त्याद्वारे पुर्नवापर होणाऱ्या पाण्याबाबतचा सविस्तर तपशील देणार.
४) जागेवर बांधकाम चालू करणेपूर्वी मिळकतीमधील मनपाच्या नळजोडावरील थकबाकी भरुन सदर नळजोड बंद करणार.
५) इमारतीचे पिण्याचे पाणी, वापराचे पाणी व फ्लशिंगचे पाणी इ. कारणासाठी प्रत्येक प्रकल्पातील सदनिका/ऑफिसेस साठी स्वतंत्र व्यवस्था करणार.
६) सदर प्रकल्पाकरीता पाण्याचे उपलब्धतेनुसार होणारा पाणी पुरवठा वगळता जादा पाण्याची व्यवस्था विकसकास स्वतः करावी लागेल.
७) अंतर्गत वापरण्यात येणाऱ्या फिटींग्ज् डिस्चार्ज ५ लिटर प्रति मिनिटापेक्षा कमी ठेवणार.
८) सर्व कामे सक्षम कन्सलटंट यांचेकडून डिझाईन करुन त्यांचे सुपरव्हिजन अंतर्गत पुर्ण करणार.
९) व्यापारी पाणी वापरासाठी स्वतंत्र संपवेल बांधणार.
१०) तत्कालीन पाण्याच्या परिस्थितीनुसार मनपा कडील नियमानुसार व धोरणानुसार या पुढील कार्यवाही तत्कालीन वेळी निश्चित करण्यात येईल.
११) भोगवटा पत्र प्राप्त झाल्यानंतर व भोगवटा पत्राच्या सदनिका/ऑफीसेसच्या प्रमाणात त्यावेळच्या प्राप्त धोरणानुसार पाणी पुरवठा उपलब्ध केला जाईल.
१२) ले आऊट मनपा मान्य झाल्यानंतर सी.सी.ची एक प्रत व ले आऊटची एक प्रत खात्यास सादर करावी लागेल.
१३) प्रस्तुत प्रकरणी मनपा मार्फत काही भाग अत्यल्प स्वरुपात पाणी पुरवठा करण्यात येत आहे. तसेच सदर परिसरात जलवाहिनी विकसनाची कामे झालेनंतर व मनपा मार्फत पाणीपुरवठा करण्याचे नियोजन त्यावेळच्या परिस्थितीनुसार करणेत येईल.
१४) सदर प्रकरणी अपुऱ्या पाणी पुरवठयाबाबत विकसक हे खात्याकडे सादर केलेल्या हमीपत्रास (नोटरी आरती व्ही काळे यांचे नोटरी रजिस्टर क्र. ९१०/२०२२ दिनांक १७/०५/२०२२) अधीन राहणार आहे.

कळावे.

कनिष्ठ अभियंता
बंड गार्डन पाणीपुरवठा
पुणे महानगरपालिका

18/05/22
उप अभियंता
बंड गार्डन पाणीपुरवठा
पुणे महानगरपालिका

कार्यकारी अभियंता
बंड गार्डन पाणीपुरवठा
पुणे महानगरपालिका

By Regd Post

Tele: 079-23242700

CATCO Office
HQ SWAC, IAF
VSN,Chiloda,Gandhinagar
Gujarat-382042

SWAC/2564/6/5364/ATS (BM)

20 May 23

Goel Ganga India Pvt. Ltd. Through
Director Mr. Atul Jaiprakash Goel
3rd Floor, San Mahu Complex,
5, Bund Garden Road,
Pune – 411001
Mob: 9860000444

NOC FOR CONSTRUCTION OF BUILDING

Sir,

1. Please refer your application on the subject.

2. The application has been examined within provisions mentioned under Section 5(2) of Gazette of India GSR 751 (E) read in conjunction with Sub Section (1) Clause (o) & Clause (r) of Sub Section 2 of Section 5 read with Section 9 A of Aircraft Act 1934, Works of Defence Act 1903 and other relevant orders on the subject. HQ SWAC has "**No - Objection**" for construction of building for a height of **97.50m AGL or 650.20m AMSL** (including all projection) **at S.No. 22, Hissa No. 2, Kharadi, Taluka – Haveli, District-Pune-411014,** subject to following conditions:

(a) The NOC is for construction of building and cannot be used as document for any other purpose / claim whatsoever, including ownership of land.

(b) The applicant is responsible to obtain NOC/ all statutory clearances from AAI / State Govt / Municipalities / any other concerned authorities including approval of building plans. Clearance shall also be obtained separately from any other Defence Establishment in the vicinity of proposed construction.

(c) The site elevation and site coordinates provided by the applicant are taken for calculation of the permissible top elevation of the proposed structure. However, at any stage, if it is established that the actual site elevation and site coordinates are different from those provided by the applicant, the NOC will be invalid.

(d) The issue of the NOC is further subject to the provisions of Sec 9 A of the Indian Aircraft Act 1934 and those of any notifications issued there under from time to time including the Aircraft (Demolition of Obstruction caused by buildings and trees etc) Rules, 1994.

(e) Vertical extent (highest point) of the building proposed at coordinates mentioned below shall not exceed **97.50m AGL or 650.20m AMSL** whichever is lower. No extension or structure permanent or temporary (e.g. Cranes, Antennas, Mumtee, Lightening Arresters, Lift machine room, Overhead water tank, Cooling towers, Sign boards, any attachment or fixtures of any kind) shall be permitted above the cleared height.

Pillar No	Latitude	Longitude	Site Elevation
As per Site Elevation Certificate issued by PMRDA, Pune vide outward No. Zone 1/6496 ; Certificate No./CE/KRD/22/426 dated 20 Jan 2023.			

(f) Standard obstruction lightings as per IS 5613 notification and International Civil Aviation Organization (ICAO) standards as stipulated in ICAO Annex-14 is to be provided by the company. The lights shall be kept 'ON' at all times. Provision shall be made for standby power supply to keep the lights 'ON' during power failure. Company shall carry out periodic maintenance of the lights to keep them in serviceable and visible condition.

(g) A proper garbage disposal system in accordance with the provisions of Solid Waste Management Rules, 2016 / Gazette Notification SO 1357 (E) (Para 4) or Environment (Protection) Act, 1986 including amendments shall be adhered to by the applicant prior to the construction of building. The same needs to be confirmed and given as undertaking in commencement certificate, as it is for the purpose of avoiding bird activity. The garbage/waste disposal plan shall be shown to the Air Officer Commanding or his nominated representative at AF Station Pune on installation or whenever demanded.

(h) No light or a combination of lights which by reason of its intensity, configuration or colour may cause confusion with the aeronautical ground lights of the Airport shall be installed at the site at any time during or after the construction of the building.

(j) The commencement and completion certificate on construction including installation of obstruction lights shall be intimated to AOC, AF Station Pune. Failure to render these certificates by the applicant within the stipulated time shall lead to cancellation of NOC.

(k) The NOC is valid only for five years from the date of its issue. If the building is not constructed and completed within this period, the applicant shall be required to obtain a fresh NOC from Indian Air Force.

(l) The applicant shall obtain necessary security clearances from MHA/IB prior to employing any foreign national at the site.

(m) The NOC will be null and void if the construction is found to be in deviation from the submitted proposal and the event of non-adherence to the above mentioned conditions.

Yours sincerely

(S Venkatesh)
Wing Commander
Command ATC Officer

Geophysical Investigations and Hydrogeological Assessments for project Ganga Arcadia, Kharadi, Pune
By Goel Ganga Developers India Pvt. Ltd.

INTRODUCTION:

During this visit the following studies were carried out in the field:

- Entire stretch of the proposed area and small sections exposed were observed to understand geological conditions.
- Observations were made in the entire area to infer the role of local geological, geo-morphological and climatological factors leading to weathering of the rock.
- Electrical Resistivity Surveys were conducted to infer subsurface geological conditions in general and thickness / depth of different layers in particular besides geotechnical strata classification for estimating the extent and thickness of different layers.

Scope of the work:

1. Attempt geo-technical strata classification by using resistivity method
2. To delineate the areas suitable for rainwater harvesting
3. To find out the groundwater table
4. Percolation test on site with percolation pits

The results of the electrical resistivity surveys along with the strata classification and aquifer conditions are included in this report.

In order to understand the hydrogeological conditions of the area, investigations were carried out in June, 2017 at Ganga Arcadia, Kharadi, Dist - Pune by Goel Ganga Developers India Pvt Ltd. The investigations were conducted in two parts, viz. (A) Hydrogeological and (b) Geophysical (Electrical Resistivity). The out come of the investigations is discussed in the present report.

(A) HYDROGEOLOGICAL :

(i) Topography:

The area under investigation is undulating having slopes from West to east

(ii) Geology:

The area under investigation forms the part of the volcanic sequence of basaltic rocks belonging to the Deccan Volcanic activity, which is one of the largest known geological formations in India, covering over 80 percent area of the state of Maharashtra. The flows exposed in the area are compound type and has limited thickness of 4 to 6 meters. The upper flow is mantled by a soil horizon which is followed by weathered basalt (Murum). Presence of groundwater and unconfinement is therefore unpredictable and required detailed study.

(iii) Hydrology:

In basaltic lava flows, ground water occurs under both water table and confine conditions. Its occurrence and movement in basaltic terrain are controlled by vertical and horizontal porosity and permeability owing to fractures and interconnected vesicular interstices, which permit storage and movement of ground water. Occurrence of impervious layers and presence of dykes retard movement of ground water in basalt.

Alternating sequence of permeable and compact horizons in volcanic rocks gives rise to a multi-aquifer system. The near surface weathered and jointed zone of the massive basaltic unit and the vesicular part together constitute the main water table aquifer. There is a hydraulic continuity between the contiguous massive and vesicular basaltic units, horizontal and other joints along with weathered mantle being responsible for this.

Generally, one continuous water table aquifer in the area of Deccan Basalts is rather rare, instead separate or discontinuous water table zones in different weathered vesicular units of the flow are developed. The saturated zone from 9-20 m on an average thus can be considered to be water table aquifer in the basaltic terrain on site. Beyond this, the deeper aquifer, if present and more permeable than the overlying ones, would be under confined conditions, provided that they are favorably situated to receive recharge. The entire succession of lava flows acts as a multi-aquifer system, including productive and less productive zones.

(B) GEOPHYSICAL:

In order to study the overall sub-surface geological conditions of the area, Geophysical investigations (Electrical Resistivity Surveys) were carried out. This was to understand the overall spread of sub-surface geological formations in the entire area. From the Electrical Resistivity Surveys, Electrical Resistivity Method (IS: 1892-1979 Appendix B clause 3.3 B-2):

Methodology:

By applying this method the resistance to the flow of an electric current through the subsurface materials is measured at intervals on the ground surface. The resistivity is usually defined as the resistance between opposite phases of a unit cube of the material. Each material has its own resistivity depending upon the water content, compaction and composition

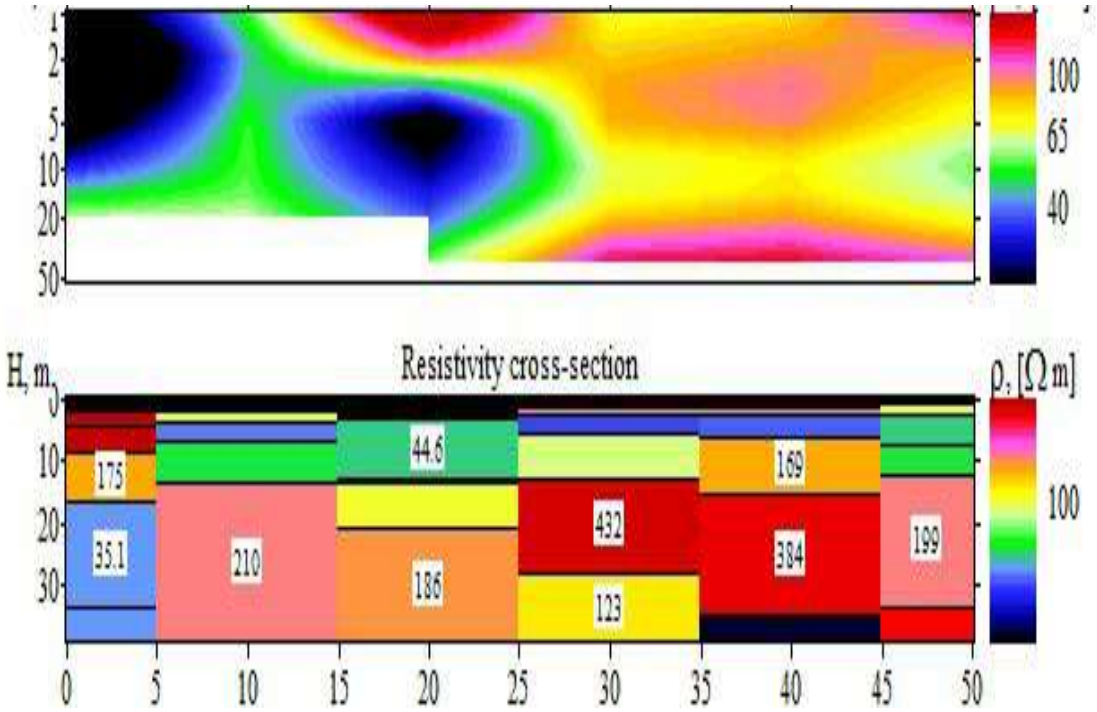
In studying the lateral as well as vertical variations, various electrode configurations are adopted and the array is moved as a whole along a traverse line. The first type of measurement is called as 'Vertical Electrical Sounding' (VES). In the present work, VES were conducted at 2 different locations at the site.

The L sections generated on the basis of values of electrical resistivity for the site have been used to depict 2-D subsurface images of the strata that are also included in this report.

Results and data processing:

In the area to understand the shallow subsurface geological and aquifer conditions extending up to 70-90 meters depth, vertical electrical soundings were conducted at two different locations. Using IPI2 WINDOW based software the data obtained from field was processed. The above interpretation gives generalized geological situation with depth-wise variations. As discussed above the sounding points with typical curves at selected sites give point information, which was further utilized to build comprehensive picture of subsurface geological situation depth-wise by preparing 2-D geo-electrical sections.

Profiles: **Point no. 1 to 2**



The geoelectrical cross-sections passing through various points have been presented in the above figures. It is to be noted that these are apparent resistivity L sections, which broadly match the true resistivity of formations. Using IPI2 software, the values of true resistivity of strata (ρ), its thickness (h) and depth (d) have been obtained after modeling of data and are depicted in table form besides each curve.

Strata Classification and Estimation of Layers:

General Stratification can be inferred as below:

Depth in m BGL	Strata
0 – 2	**Soil+ Highly Weathered Rock**
2 – 3.5	**Hard rock**
3.5 – 7	**Moderately fractured Hard rock**
7 – 16	**Jointed fractured Hard rock**
16 – 33	**Poorly Fractured Basalt**
33 – 38	**Moderately Fractured Basalt**
38 – 51	**Poorly Fractured Hard Rock**
51-53	**Moderately Fractured Basalt/ soft rock**
Below 51	**Poorly Fractured Basalt**

The hydrogeology is more suitable to conceive groundwater with low yield. Semi confined aquifer present between 7 – 16 m and and a deeper confined aquifer between 33 – 38 m and also at 51 – 53 m BGL. Hence, the recharge bores of variably up to 60 m BGL are recommended on site.

Water Table : 8 -9 m BGL in pre monsoon

Rainwater harvesting feasibility analysis and Water Budgeting:

It would be necessary for any one to know first the nature, movement and occurrence of ground water in hard rocks before the formulation and implementation of artificial recharge works in hard rock region. Some salient characteristics of occurrence of ground water in hard rock are listed below:

Features of Occurrence of Ground Water in Hard Rocks are:

1. Ground water reservoir (aquifer) in hard rocks is dominantly shallow
2. The bulk of the ground water is stored in the zone of weathering (Vadose zone)
3. Fractures and joints in hard rock occur as conduits for rapid transport of water as they do not provide large space for storage of ground water
4. The width of fractures & lineaments and weak planes narrows as depth increases
5. Fairly limited aquifer water yield by wells and bore-wells in comparison to alluvial and sedimentary rock aquifer wells
6. Unpredictable ground water occurrence over short distances

The principle ground water reservoir in hard rocks therefore consists of two parts viz. “Vadose zone” or unsaturated zone that lie between ground surface and water table; and the phreatic or unconfined zone that lie below the water table. The feature of low permeability of Basalts, their multilayered occurrence, fractured and jointed natures, vesicular character besides topographic and other geological features are to be normally considered in the formulation and construction of recharging schemes

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QUANTIFICATION:

The final area for consideration is 11604.56 sq.m.

Incremental Runoff due to Development:

Sr No	Ground Cover	Area in sq.m	Max intensity rainfall (m/ Hr)	Runoff coeffi cient	Runoff (cum/ min)	Annual potential for RWH (Cum)
A	Before Development					
	Plot Area	11,604.56	0.055	0.6	6.38	4873.92
B	After Development					
1	Terrace Area	631.21	0.055	0.9	0.52	397.66
3	Softscape area on ground	1,365.77	0.055	0.3	0.38	286.81
4	Roads/ Driveways and other hardscape	9,607.58	0.055	0.9	7.93	6052.78
	Total	11,604.56			8.82	6737.25
B-A	Increase in the runoff due to development				2.44	1863.33

Annual Rainfall: 700 mm; Max. Rainfall intensity: 55 mm/hr; Avg daily rainfall:18 mm/d

RUNOFF PARAMETERS:

Anticipated Increase at in runoff at max intensity: 2.44 cum/min

Average daily runoff available after development (A): 173 cum/d

Average daily runoff available before development (B): 125 cum/ d

Daily minimum Design percolation required (A-B): 48 cum/d

Rooftop runoff available: 10 cum/d

Recommendations:

Owing to the nature of aquifer rock, it is having low-moderate potential for recharge assisted with boreholes of up to 60 m depth on an average.

(1) Five recharge pits with bores are proposed in the area with a dia of 160 mm and 60 m depth.

(2) A recharge pit of 1.8 m x 1.8 m x 2.5 m depth should be constructed around the recharge bore with filter media. Two pits are proposed on rooftop runoff and remaining 3 on surface runoff.

(3) Filtration is strongly recommended to rooftop runoff before recharge.

a) Approximate Storativity available in the strata:

= Area of aquifer (Sq.Mt.) x Thickness of aquifer x specific yield of aquifer.

= 11605 Sq.Mt. x 20 Mt. x 0.02

= 4642 M3

Thus, given 5 Recharge bores and pits as provided in the design are almost sufficient to recharge the aquifer area available on site in a scenario of reasonably distributed rainfall in the season.

QUANTITATIVE ASSESSMENT OF RECHARGE:

(1) Recharge pit with bore of 60 Mt. at the bottom.

Dimensions - 1.3 m dia x 2.5 m depth

Bore well - Dia. – 160 mm Depth – 60 Mt.

Quantification would be

= 3.5 M^3

For Bore - $\pi r^2 h$

= 3.14 $(0.08)^2$ x 60 Mt.

= 1.2 M^3

Total one time filling capacity of 4 recharge bores would be around 18.8 M^3. Incremental increase in the discharge of storm water runoff is around 1.73 cum/min. Thus, almost 10 minutes retention will be available.

Percolation Test Method:

(Cross verification of the adequacy of recharge system)

Percolation rate through excavated pit:	**13 mm/min**
Recharge anticipated through one single bore:	**22 cum/d**
Percolation anticipated through 4 recharge bores:	**88 cum/d**
Runoff after development:	**126 cum/d**
% of efficiency of RWH against rooftop runoff:	**70%**

SUMMARY:

Following is a very crude estimate. It is impossible to exactly predict the annual recharge/ harvesting taking place due to large variance in intensities, concentration and spread out of the monsoon and rain-spells. Exact quantification of recharge will vary from year to year.

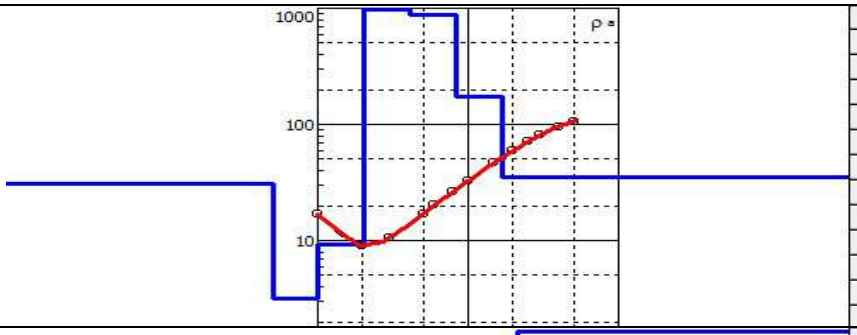
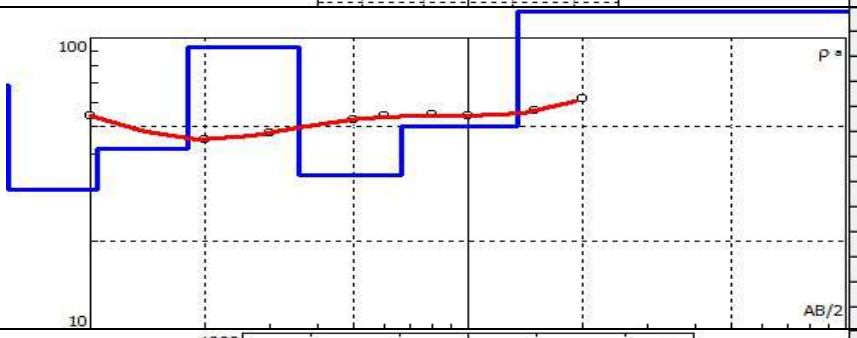
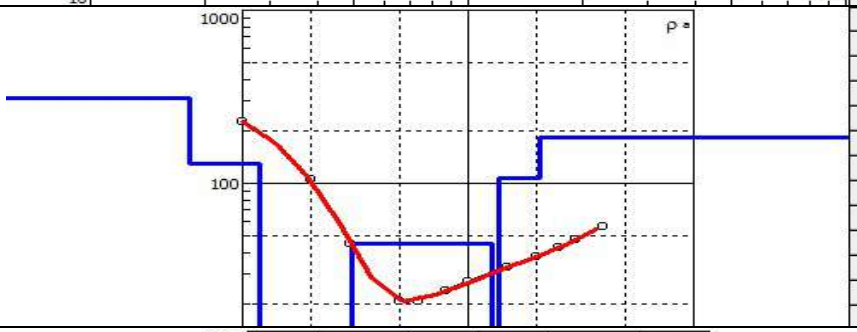
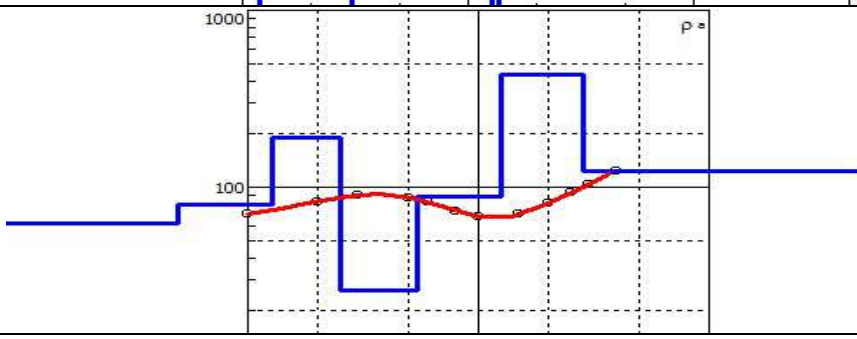
1. Since the site has major shallow aquifer between 7- 16 m and confined aquifer between 33 – 38 m BGL and 51 – 53 m BGL The borewells are recommended up to 60 m BGL

2. As per average daily rainfall in the area which is 18 mm/day, the system can accommodate 100% of the differential increased runoff or rooftop runoff at average daily intensity.

3. During 45 wet days, out of 100, the rainfall is less than 5-6 mm/d or so, infiltration and subsequent filling accompanied by evaporation can be anticipated in a cyclic manner.

4. The proposed System can accommodate almost 19 minutes increased runoff at max rainfall intensity.

Appendix : Modeled electrical resistivity data output

Sr. No.	Graph
1.	
2.	
3.	
4.	

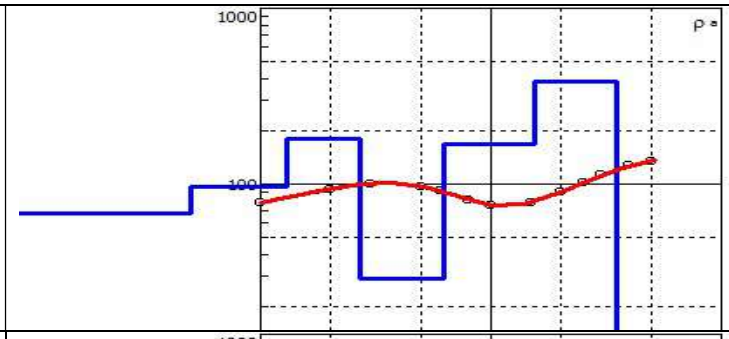
N	ρ
1	30.78
2	3.134
3	9.292
4	1330
5	873.9
6	175.1
7	35.11
8	35.46

N	ρ
1	68.5
2	30.1
3	41.7
4	92.9
5	33.9
6	49.8
7	210

N	ρ
1	311
2	130
3	9.58
4	44.6
5	9.27
6	107
7	186

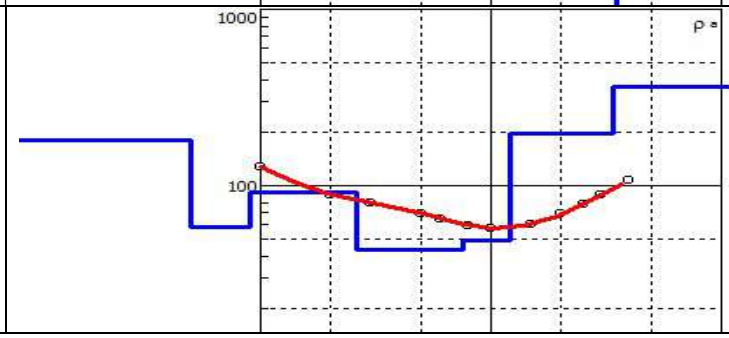
N	ρ
1	62.8
2	79.1
3	190
4	26.3
5	88.3
6	432
7	123

5.



N	ρ
1	68
2	96.9
3	182
4	28.9
5	169
6	384
7	12.5

6.



N	ρ
1	182
2	57.8
3	91
4	43
5	48.8
6	199
7	364

S.V. ASSOCIATES

Rain Water Harvesting Consultant

PCMC LIC NO.603

Address: - S. No. 7/1, Plot No. 85, Gurunanak Nagar, Thergaon, Pune - 33
Mob: - 9326045542 9011748080, 7350003324/27
Email: svassociates2103@gmail.com GST NO. 27AEJFS7606F1ZT

Ref. No. S2/CERT/RWH/121/23-24

Dated: 31/10/2023

CERTIFICATE OF RAIN WATER HARVESTING

To
M/s Goel Ganga Developers Private Limited,
Tithe Nagar, Kharadi, Pune

Subject : Completion of Rain Water Harvesting Work at Sr. No 22 Kharadi, Pune
(Project-Ganga Altus, F wing)

Respected Sir/Madam,

Reference to the subject matter. We wish to inform you that Execution Work in respect of Rain Water harvesting at subject site in duly Complete in all respect and as per the guidelines and Standards of Government / PCMC/PMC/PMRDA. Following are the details of Work completed.

1. Roof Details / Catchment Area detail : RCC 20000 Sq. Ft. up To Approx.
2. Average Rainfall : 600 To 700 mm Approx. P.A
3. Rain Water Harvesting System Details : Soak Pit Method Adopted
   Artificial Bore Well Recharge
4. Water Collected By Rain Water Harvesting : 10 Lacs Liters Approx.

Ensured that roof top water is sterilized before using. Overflow to bore well by artificial recharge.

We certify that the subject building rain water harvesting system work is completed as per Government Norms and Standard specified by Government Authority. We also certify that all material used for execution of subject work is of standard good quality. We also confirm and certify that connection is made to collect only the ROOF TOP WATER and not for personal terrace / Balcony sewage pipes etc.

Timely servicing and use of rain water for drinking and household purpose, the purification is to be done by Residents. Also Terrace and Filter Chambers to be cleaned before rainy seasons.

Yours Faithfully

S.V. ASSOCIATES PUNE

S.V. ASSOCIATES

Rain Water Harvesting Consultant

PCMC LIC NO.603

Address: - S. No. 7/1, Plot No. 85, Gurunanak Nagar, Thergaon, Pune - 33
Mob: - 9326045542 9011748080, 7350003324/27
Email: svassociates2103@gmail.com **GST NO. 27AEJFS7606F1ZT**

Ref. No. S2/CERT/RWH/121A/23-24

Dated: 31/10/2023

COMPLETION CERTIFICATE

This is to Certify that the work allotted by Goal Ganga India Private Limited for Project "Ganga Altus" at Sr. No. 22, Thite Nagar, Kharadi, Pune Maharashtra 411014 for work Completion of Rain Water Harvesting for F wing has been successfully Completed by S. V. Associates.

Yours Faithfully

S.V. ASSOCIATES PUNE

Green Planet Solutions
BE CLEAN. GO GREEN.

CERTIFICATE FOR INSTALLATION AND COMMISSIONING OF Semi Automatic"ecoCONTINUOUSCOMPOSTER" FOR ORGANIC WASTE MANAGEMENT

Date: 25th JAN 2024

To,
Goel Ganga India Pvt. Ltd.
3rd Floor, San Mahu Complex, 05
Bun Garden Road, Pune - 411001,

Site Details: :
Ganga Altus, Near Columbia Asia Hospital,
Thite Nagar, Kharadi, Pune, Maharashtra 411014.

Subject: Certificate for Green Planet Solutions Drum composter eco continuous COMPOSTER (Composting Machine) ordered by you at above mentioned site.
Sir,
This is to certify that **GREEN PLANET SOLUTIONS** has received your work order for **eco continuous COMPOSTER (Drum composter: eCC_700 Kg/Day Processing Capacity)** pursuant to which we were delivered and installed the same at your site.

The eco COMPOSTER (Composting Machine) will be under warranty for 12 months from the date of commissioning.

Date of commissioning: **30th OCT 2023.**

GREEN PLANET SOLUTIONS

Authorized Signatory

Please find attached the following Annexures:

1. Annexure A - Specifications of ecoCOMPOSTER installed.
2. Annexure B- Features of ecoCOMPOSTER
3. Annexure C- How ecoCOMPOSTER Works

ANNEXURE A

TECHNICAL SPECIFICATIONS

Technical Specifications for Semi-automatic Drum continuous composting system	
Per day waste processing capacity of Composting	Total Processing Capacity: 700 Kg/Day
Dimensions (Approx.)	**15(L) X7 (W) X 6.6(H) FT**
Composting System	Natural Composting
Input	Segregated Organic Waste
Output	Dry Organic Compost, with test results and parameters matching to compost standards mentioned in MSWM Rules 2000, Govt. of India.
Power Supply	440/50Hz
Composting tank material	SS 430
Gear Box &Motor	Rossi/Nord/Siemens
Blower	Centrifugal Blower
Insulation	Rock wool/ Glass wool confirms to IS 8183 Standards
Handles and Locks	Standard handles and lock with good aesthetics
Control Panel	All control panel parts should be of standard brands like Schneider, Allen Bradley, FUJI, L&T, etc. Motor and Blower should have overload and current protection.
Control System and Interface	PLC + HMI with touch screen control having remote monitoring facility
Operation and Processing	Fully automatic and programmable
Compost Removal	After 18-20 days
Curing System, Addition of Sawdust, Addition of Culture	Allowed to improve nutritional quality of compost.
Outside Panel	Canopy with lifting hook facility.
Waste input and compost removal provision	Separate door of stainless steel for waste input and compost removal

GREEN PLANET SOLUTIONS

Composting method	Natural Micro-organisms based composting with adequate temperature atmosphere with approx. 70% volume reduction
Water discharge, Leach ate, Methane and Harmful	Not allowed
Safety Features	• Emergency switch, overload indication function and Safety Switch • Activated charcoal filter for exhaust gases. • Safety feature: Internal mixing blades automatically stop when input door is opened • Overload Relay & Limit switch

CAUTION: Should not be added or Machine do not Decompose.

1. **Metal parts**
2. **Glass pieces**
3. **Inert non-biodegradable material.**
4. **All type of plastic and polymer waste.**
5. **Acids and Alkalis**

GREEN PLANET SOLUTIONS

ANNEXURE B

Features of eco CONTINUOUS COMPOSTER

1. Automatic: PLC controlled, fully automatic. No Skilled labor required.
2. Processes All kinds of Organic Waste: Food Waste, Garden Waste Poultry Waste, Meat Waste
3. Waste to compost in 18-20 days, fully mature compost once removed from machine
4. Completely natural process with the help of Microorganisms
5. Noiseless and odorless

GREEN PLANET SOLUTIONS

6. Low operation and maintenance cost

7. High quality parts: Better life and performance

8. 3 R Principle: Reduce, Reuse and Recycle

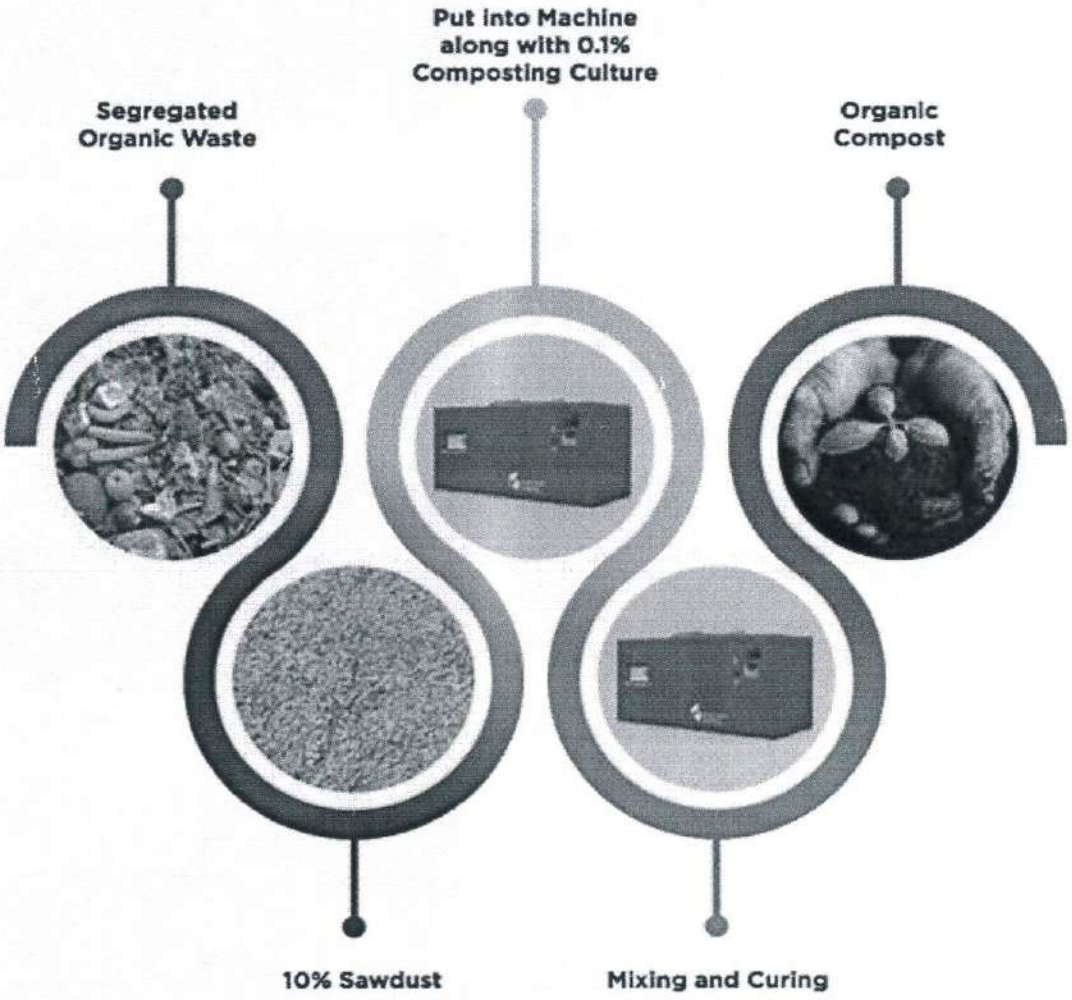
9. Safety Features: Machine stops when door is opened, overload function, HMI for process information.

10. Saves Environment: Reduces harmful Green House Gases, Leachate formation

GREEN PLANET SOLUTIONS

ANNEXURE C

How eco CONTINUOUC COMPOSTER works



GREEN PLANET SOLUTIONS

Greensol Tech
Creating Value Out of Waste...

Doc Ref No- 2023-24/142

October 10,2023

COMPLETION CERTIFICATE

THIS IS TO CERTIFY THAT THE WORK ALLOTTED BY **"GOAL GANGA INDIA PRIVATE LIMITED"** FOR PROJECT **"GANGA ALTUS"** AT **THITE NAGAR, KHARADI, PUNE, MAHARASHTRA 411014 FOR** WORK COMPLETION OF SEWAGE TREATMENT PLANT FOR **45** KLD HAS BEEN SUCCESSFULLY COMPLETED BY **GREENSOL TECH.**

Yours Faithfully,
For **GREENSOL TECH**

GREENSOL TECH PUNE

Authorized Signatory

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+91 - 9823042526
sales@greensoltech.in
powar.sanjay@greensoltech.in
ABIL IMPERIAL, 2ND FLOOR, S-8, PAN CARD CLUB ROAD, BANER, PUNE - 411045.
www.greensoltech.in

Greensol Tech™
Creating Value Out of Waste...

Doc ref- GTP/20-21/028

Date-

INSTALLATION COMPLETE

To,
Goel Ganga India Pvt. Ltd
Kharadi, Pune- 411014

Client Name	-	Goel Ganga India Pvt. Ltd
Project Name	-	Ganga Altus
Location	-	Kharadi
Po. No	-	127/128
Po Date	-	16-12-2020

Subject – **Installation Complete Certificate for STP based on MBBR Technology**

Dear Sir,

As per your above purchase order for supply installation & commissioning installation of **265 KLD Sewage Treatment Plant (STP) based on MBBR Technology** at site **Ganga Altus.**

The System Is supplied installed as per the P&ID and all electro – Mechanical Equipment/instrument Installation & piping fitting erection work, dry run test was completed successfully and found working satisfactorily as per the designed specification.

Looking forward for your Co-operation in future and we assure you our best service back up at all time.

Thanking You,

Yours Faithfully
For **Greensol Tech**

GREENSOL TECH * PUNE *

Authorized Signatory

(Sandip Kute)
14/10/2024
(8975868065)

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AREA STATEMENT

TYPE OF BLDG.	NO. OF BLDG.	HT. OF BLDG.	TOTAL TENE.	TOTAL B/U. (50%)(S.MT.)	TOTAL B/U. (20%)(S.MT.)	GROUND FL.(S.MT.)	FIRST FL. (S.MT.)	SECOND FL. (S.MT.)	THIRD FL. (S.MT.)	FOURTH FL. (S.MT.)	FIFTH FL. (S.MT.)	SIXTH FL. (S.MT.)	SEVENTH FL. (S.MT.)	EIGHTH FL. (S.MT.)	NINETH FL. (S.MT.)	TENTH FL. (S.MT.)	ELEVENTH FL. (S.MT.)	TWELTH FL. (S.MT.)	THIRTEENTH FL. (S.MT.)	FOURTEENTH FL. (S.MT.)	FIFTEENTH FL. (S.MT.)	SIXTEENTH FL. (S.MT.)	TOTAL F.S.I. (S.MT.)
B	1	30.41M.	96	1838.13	1095.50	562.64	891.32	891.32	891.32	891.32	891.32	891.32	891.32	879.59										7681.47
C	1	16.87M.	48	942.41	942.41	779.79	597.46	597.46	597.46	597.46														3169.63
TOTAL	2		144	2780.54	2037.91	1342.43																		10851.10
EXCESS BALCONY																	EXCESS BALCONY-BLDG-B,C							21.82
TOTAL SANCTIONED F.S.I.																								10872.92
PROPOSED BLDG.A	1	52.20M.	120			505.03	-----	1131.86	968.12	968.12	968.12	968.12	968.12	925.97	968.12	968.12	968.12	968.12	925.97	968.12	968.12	968.12		15106.27
TOTAL	3		264																					25979.19

WATER STORAGE CAPACITY

FOR CLUB HOUSE
O.H.WATER TANK CAPACITY
TOTAL AREA = 149.58 SQ.M
149.58/6 X 45 LTR = 1125.00 LTR
SAY = 1100.00 LTR
U.G.WATER TANK CAPACITY
1100.00 X 1.5 = 1650.00 LTR
SAY = 2000.00 LTR

BLDG	OHT.CAPACITY (lit.)	UGT. CAPACITY (lit.)
BLDG-A	108575.45	282863.17
BLDG-B	83239.60	124859.40
BLDG-C	48248.43	72372.65
CLUB	1100.00	2000.00
TOTAL	241163.48	482095.22

PROPOSED U.G. TANK CAPACITY- 482095.22 LIT.

TOTAL PLOT AREA CALCULATIONS FOR S.NO.22/2(P) PLOT NO. A

1A) 271.28 X 64.82 X 0.5 = 8792.18 S.MT.
2A) 217.65 X 24.92 X 0.5 = 2711.92 S.MT.
TOTAL = 11504.10 S.MT.
LESS
B) 22.50X15.00 − (22.50X15.000X3.14)/4 = 72.56 S.MT.
TOTAL PLOT AREA = 11504.10−72.56 = 11431.54 S.MT.

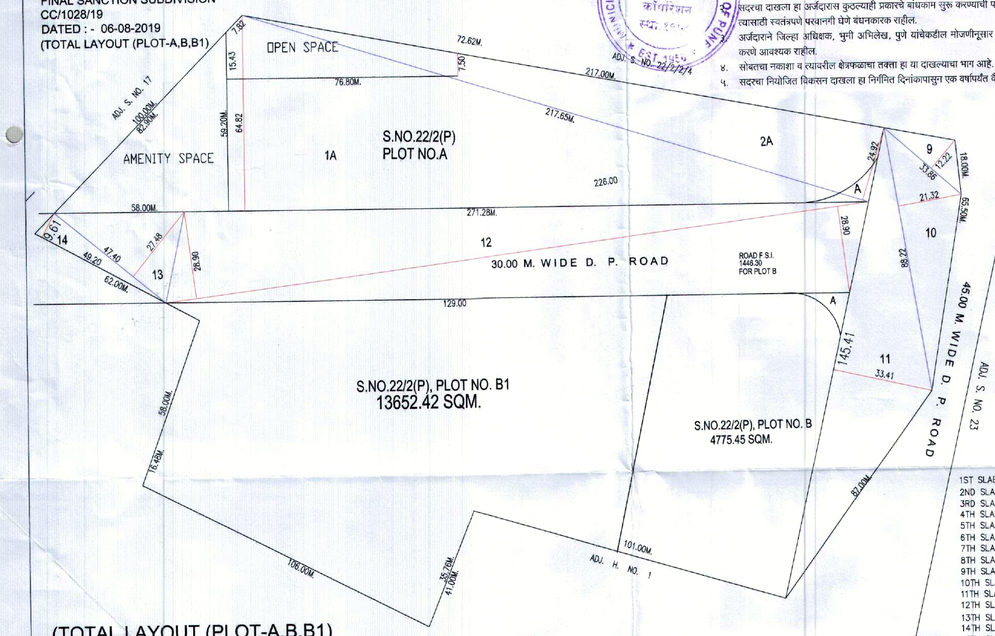
AREA STATEMENT(AS PER PREVIOUS SANCTION)

TOTAL PLOT AREA = 41000.00 S.MT.
LESS 45 M. D.P. ROAD = 3576.37 S.MT.
LESS 30 M. D.P. ROAD = 7564.22 S.MT.
BALANCE AREA = 29859.41 S.MT.

TOTAL AREA OF PLOT 'A' = 11431.54 S.MT.
TOTAL AREA OF PLOT 'B1' = 13652.42 S.MT.
TOTAL AREA OF PLOT 'B' = 4775.45 S.MT.

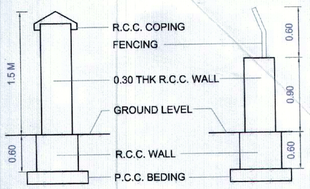
सदर दावल्याचा वापर फक्त पर्यावरण विभागाची मंजुरी (मा. SEACS व SEIAA पर्यावरण व वनविभाग, भारत सरकार) प्राप्त करण्यासाठी करावयाचा आहे.
सदरचा दाखला हा अर्जदारास कुठल्याही प्रकारचे बांधकाम सुरु करण्याची परवानगी नसुन अर्जदाराने त्यासाठी स्वतंत्रपणे परवानगी घेणे बंधनकारक राहील.
अर्जदाराने जिल्हा अधिक्षक, भुमी अभिलेख, पुणे यांचेकडील मोजणीनुसार भुखंडाच्या हद्दी निश्चित करणे आवश्यक राहील.
सोबतचा नकाशा व त्यापरील शेरेपत्रांचा तक्ता हा या दाखल्याचा भाग आहे.
सदरचा नियोजित विकसन दाखला हा निगेमित दिनांकापासुन एक वर्षापर्यंत वैध राहील.

FINAL SANCTION SUBDIVISION
CC/1028/19
DATED : - 06-08-2019
(TOTAL LAYOUT (PLOT-A,B,B1)



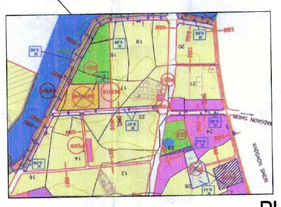
(TOTAL LAYOUT (PLOT-A,B,B1)

SITE PLAN
(SCALE:-1:500)



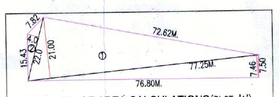
R.C.C.COMPOUND WALL SECTION

PROPOSED PROJECT

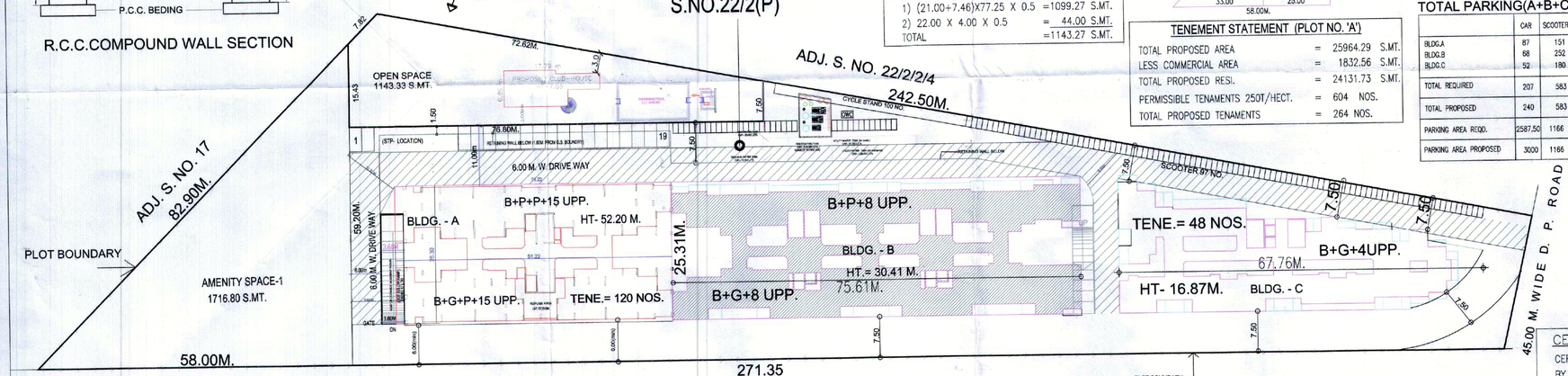


N LOCATION PLAN

PLOT NO.'A'
S.NO.22/2(P)



OPEN SPACE AREA CALCULATIONS(PLOT 'A')
1) (21.00+7.46)X77.25 X 0.5 = 1099.27 S.MT.
2) 22.00 X 4.00 X 0.5 = 44.00 S.MT.
TOTAL = 1143.27 S.MT.



LAYOUT OF BUILDING N

SANITARY REQUIREMENT (BLDG-A)

PROPOSED GR. FLOOR = 505.03 S.MT.
505.03/3 = 168.34 SAY 169 NOS.
GENTS 50% = 85 NOS.
LADIES 50% = 85 NOS.

	W.C.	URINAL	W.B.
FOR 25 GENTS	1	1	1
FOR 85 GENTS	3	3	3
FOR 15 LADIES	1		1
FOR 85 LADIES	5		5
TOTAL	8	4	8
PROPOSED	14 W.C.		

B(B+G+8) FSI AND NON FSI STATEMENT -(BLDG-B(B+G+8)

FLOOR	(F.S.I)	PARKING STORE	PROP. BALC.	STAIR AREA	LIFT AREA	PASSAGE	LOBBY	LOFT	TERR. AREA	ARCHITECTURAL PROJECTION	TOTAL NON FSI	TOTAL CONSTR. AREA (FSI+NON FSI)
BASEMENT		1840.21 + 344.74									2184.95	2184.95
GROUND	562.64	1232.21								106.37	1338.58	1901.22
1ST	891.32		143.92	56.60	18.96	47.82	135.87	283.69	79.05+356.07	51.02	889.31	2064.32
2ND	891.32		143.92	56.60		47.82	135.87		63.91	46.00	494.12	1385.44
3RD	891.32		143.92	56.60		47.82	135.87		79.05	51.02	514.28	1405.60
4TH	891.32		143.92	56.60		47.82	135.87		63.91	46.00	494.12	1385.44
5TH	891.32		143.92	56.60		47.82	135.87		79.05	51.02	514.28	1405.60
6TH	891.32		143.92	56.60		47.82	135.87		63.91	46.00	494.12	1385.44
7TH	891.32		143.92	56.60		47.82	135.87		79.05	51.02	514.28	1405.60
8TH	879.59		143.92	56.60		47.82	135.87		63.91	166.64	614.76	1494.35
M.RM.BTM. OH.BTM.		164.98									164.98	164.98
M.RM. TOP OH. TOP		164.98									164.98	164.98
TOTAL	7681.47	3747.12	1151.36	452.80	18.96	382.56	086.96	283.69	927.91	615.09	8666.45	16347.92
TOTAL	7681.47										8666.45 (SQM.)	(SQM.) 16347.92

C(B+G+4) FSI AND NON FSI STATEMENT -(BLDG-C(B+G+4)

FLOOR	(F.S.I)	PARKING	PROP. BALC.	STAIR AREA	LIFT AREA	LOBBY	PASSAGE	LOFT	TERR. AREA	ARCHITECTURAL PROJECTION	TOTAL NON FSI	TOTAL CONSTR. AREA (FSI+NON FSI)
BASEMENT		1083.77									1083.77	1083.77
PARKING + SHOPS	779.79	53.98		33.15		32.72				78.10	197.93	977.72
1ST	597.46		124.53	33.15	7.30	37.01	82.15	368.62	36.34+193.38	47.42	929.90	1527.36
2ND	597.46		124.53	33.15		37.01	82.15		36.34	47.42	359.16	956.62
3RD	597.46		124.53	33.15		37.01	82.15		36.34	47.42	360.60	958.06
4TH	597.46		124.52	33.15		37.01	82.15		34.90	47.42	359.16	956.62
M.RM.BTM.		33.67								347.31 (PERGOLA)	33.67+347.31	67.34 +347.31
M.RM. TOP		33.67										
DHT BTM.		61.59									61.59	
OH. TOP		88.16									88.16	149.75
TOTAL	3169.63	1354.82	498.12	165.75	7.3	180.76	328.60	368.62	335.86	615.09	3854.92	7024.55
TOTAL	3169.63										3854.92 (SQM.)	(SQM.) 7024.55

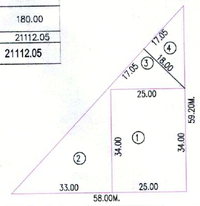
FSI AND NON FSI STATEMENT -(BLDG-A(B+G+P+15)

	FLOOR	(F.S.I)	PARKING	REFUGE AREA	TERRACEarea (non ccc.)& TOP PERGOLA		ARCHITe. PROJ.	TOTAL NON FSI	TOTAL CONSTR. AREA (FSI+NON FSI)
1ST SLAB	BASEMENT	------	1866.24					1866.24	1866.24
2ND SLAB	GROUND	505.03	767.79				94.21	1367.03	1367.03
3RD SLAB	2ND	1131.86	65.00			82.32	94.21	241.53	1356.18
4TH SLAB	3RD	968.12					94.21	94.21	1045.12
5TH SLAB	4TH	968.12					94.21	94.21	1045.12
6TH SLAB	5TH	968.12					94.21	94.21	1045.12
7TH SLAB	6TH	968.12					94.21	94.21	1045.12
8TH SLAB	7TH	968.12					94.21	94.21	1045.12
9TH SLAB	8TH	925.97		47.37			94.21	141.58	1050.34
10TH SLAB	9TH	968.12					94.21	94.21	1045.12
11TH SLAB	10TH	968.12					94.21	94.21	1045.12
12TH SLAB	11TH	968.12					94.21	94.21	1045.12
13TH SLAB	12TH	968.12					94.21	94.21	1045.12
14TH SLAB	13TH	925.97		47.37			94.21	141.58	1050.34
15TH SLAB	14TH	968.12					94.21	94.21	1045.12
16TH SLAB	15TH	968.12					94.21	94.21	1045.12
17TH SLAB	16TH	968.12					94.21	94.21	1045.12
18TH SLAB	TERRACE					968.12	94.21	1062.33	1062.33
	TOP PERGOLA					200.00		200.00	200.00
	M.RM.BTM. OH.BTM.		180.00					180.00	180.00
	M.RM.TOP OH. TOP		180.00					180.00	180.00
	TOTAL	15106.27	3059.03	94.74		1250.44	1601.57	6005.78	21112.05
	TOTAL	15106.27	6005.78 (SQM.)					(SQM.)	21112.05

TOTAL B/UP AREA (CONSTRUCTION AREA)STATEMENT

TYPE OF BLDG.	FLOORS	TENAMENT	SHOP	F.S.I.	NON F.S.I.	TOTAL B/UP AREA(CONSTRU.)
A	B+G+P+15	120	16	15106.27	6005.78	21112.05
B	B+G+8	96	24	7681.47	8666.45	16347.92
C	B+G+4	48	28	3169.63	3854.92	7024.55
EXCESS BALCONY				21.82	0.00	21.82
CLUB HOUSE+ SWIMM. POOL	G+1				229.10	229.10
STP					160.00	160.00
UGWT					171.69	171.69
VERMI COMPOST					87.48	87.48
TRANSFORMER					108.29	108.29
O.W.C.					60.00	60.00
ENT. GATE					50.00	50.00
SECURITY CABIN					3.00	3.00
ADDITIONAL UGT					200.00	200.00
TOTAL		264	68	25979.19	19596.75	45575.94

AREA BY TRANGULATION
AMENITY-SPACE- (PLOT 'A')
1) 25.00X34.00 = = 850.00 S.MT.
2) 33.00X34.00X0.5 = 561.00 S.MT.
3) 17.05X 18.00 X.5 = 153.45 S.MT.
4) 17.05X 18.00 X.5 = 153.45 S.MT.
TOTAL = 1717.90 S.MT.
PROPOSED AMENITY= 1716.80 SQM.



TENEMENT STATEMENT (PLOT NO. 'A')

TOTAL PROPOSED AREA	=	25964.29 S.MT.
LESS COMMERCIAL AREA	=	1832.56 S.MT.
TOTAL PROPOSED RESI.	=	24131.73 S.MT.
PERMISSIBLE TENAMENTS 250T/HECT.	=	604 NOS.
TOTAL PROPOSED TENAMENTS	=	264 NOS.

TOTAL PARKING(A+B+C)

	CAR	SCOOTER	CYCLE
BLDG.A	87	151	–
BLDG.B	68	252	212
BLDG.C	52	180	124
TOTAL REQUIRED	207	583	336
TOTAL PROPOSED	240	583	336
PARKING AREA REQD.	2587.50	1166	235.20
PARKING AREA PROPOSED	3000	1166	235.20

45.00 M. WIDE ROAD AREA CALCULATION

9) 33.86 X 12.22 X 0.5 = 206.88 S.MT.
10) 88.22 X 21.32 X 0.5 = 940.43 S.MT.
11) 145.41 X 33.41 X 0.5 = 2429.07 S.MT.
TOTAL = 3,576.38 S.MT.

30.00 M. WIDE ROAD AREA CALCULATION

12) (28.90+28.90) X 226.00 X 0.5 = 6531.40 S.MT.
13) 47.40 X 27.48 X 0.5 = 651.28 S.MT.
14) 49.20 X 9.61 X 0.5 = 236.41 S.MT.
ADD CURVATURE AREA OF ROAD
A) 22.50X15.00 − (22.50X15.000X3.14)/4 X 2
= 72.56 S.MT.X 2 = 145.13 S.MT.
TOTAL = 7564.22 S.MT.

TOTAL ROAD AREA = 11140.60 SMT.

FOR BLDG-A WATER CAPACITY CALS.

PROPOSED TENEMENT = 120 NOS.
O.H.WATER CAPACITY
120 X 5 X 135 LTR. = 81000.00 LTR.
COMMERCIAL AREA = 505.03/3 X 45 LTR. = 7575.45
TOTAL = 88575.45 LTR.
ADD FIRE FITTING = 20000.00 LTR.
TOTAL = 108575.45 LTR.
U.G.WATER CAPACITY
TOTAL O.H.CAPACITY = 88575.45X1.5
= 132863.17 LTR.
ADD FOR FIRE = 150000.00 LTR.
TOTAL = 282863.17 LTR.

FOR BLDG-B WATER CAPACITY CALS.

PROPOSED TENEMENT = 96 NOS.
O.H.WATER CAPACITY
96 X 5 X 135 LTR. = 64800.00 LTR.
COMMERCIAL AREA = 562.64 S.MT.
562.64/3 X 45 LTR. = 8439.60 LTR.
TOTAL = 73239.60 LTR.
ADD FIRE FITTING = 10000.00 LTR.
TOTAL = 83239.60 LTR.
U.G.WATER CAPACITY
TOTAL O.H.CAPACITY = 83239.60 LTR.
83239.60 X 1.5 = 124859.40 LTR.

FOR BLDG.C WATER CAPACITY CALS.

PROPOSED TENEMENT = 48 NOS.
O.H.WATER CAPACITY
48 X 5 X 135 LTR. = 32400.00 LTR.
COMMERCIAL AREA = 779.79 S.MT.
779.79/6 X 45 LTR. = 5848.43 LTR.
TOTAL = 38248.43 LTR.
ADD FIRE FITTING = 10000.00 LTR.
TOTAL = 48248.43 LTR.
U.G.WATER CAPACITY
TOTAL O.H.CAPACITY = 48248.43 LTR.
48248.43 X 1.5 = 72372.65 LTR.

PARKING REQUIREMENT RESIDENTIAL (BLDG.A)

UDCPR - CHAPTER 8 Parking Rule Table NO 8B

		CAR	SCOOTER
01	FOR EVERY TENEMENT HAVING CARPET AREA EQUAL TO OR ABOVE 80.00 SQ.M. BUT LESS THAN 160.00 SQ.M.	01	1
02	3 BHK = 30 flats	30	30
03	FOR EVERY 2TENEMENT HAVING CARPET AREA EQUAL TO OR ABOVE 40.00 SQ.M. BUT LESS THAN 80.00 SQ.M.	01	2
04	2/1 BHK = 90 flats	45	90
	COMMERCIAL AREA = 505.03 S.MT.		
	FOR 100.00 S.MT.	2	6
	FOR 470.74 S.MT.	8	24
		83	144
05	IN ADDITION 5% VISITOR PARKING	4	7
06	TOTAL PARKING REQUIRED	87	151
07	TOTAL PARKING PROPOSED	120	151

PARKING STATEMENT(BLDG-B)

PROPOSED TENEMENT = 96 NOS.

PARKING REQD. BY RULE	CAR	SCOOTER	CYCLE
TENE.40 TO 80 S.MT.	1	4	4
FOR 2 TENE.	48	192	192
FOR 96 TENE.			
COMMERCIAL AREA = 562.64 S.MT.			
CARPET AREA = 450.11 S.MT.			
FOR 100.00 S.MT.	4	12	4
FOR 450.11 S.MT.	20	60	20
PARKING REQUIRED	68	252	212
PARKING PROPOSED	68	252	212

PARKING STATEMENT(BLDG-C)

PROPOSED TENEMENT = 48 NOS.

PARKING REQD. BY RULE	CAR	SCOOTER	CYCLE
TENE.40 TO 80 S.MT.	1	4	4
FOR 2 TENE.	24	96	96
FOR 48 TENE.			
COMMERCIAL AREA = 779.79 S.MT.			
CARPET AREA = 623.83 S.MT.			
FOR 100.00 S.MT.	4	12	4
FOR 623.83 S.MT.	28	84	28
PARKING REQUIRED	52	180	124
PARKING PROPOSED	52	180	124

CERTIFICATE OF AREA

CERTIFICATE THAT THE PLOT UNDER REFERENCE WAS SURVEYED BY ME ON 10/1/2007 AND THE DIMENSIONS OF SIDES ETC. OF PLOT STATED ON PLAN AREA AS MEASURED ON SITE AND, THE AREA SO WORKED OUT TALLIES WITH THE AREA STATED IN DOCUMENTS OF OWNERSHIP/T.P. SCHEME RECORED/LAND. RECORED DEPTT./CITY SURVEY RECORED.

SIGNATURE OF LINCESED ARCHITECT/ ENGINEER/STRUCTURAL ENGINEER.

STAMP OF APPROVAL

कनिष्ठ अभियंता विकास योजना व बांधकाम नियंत्रण (झो.क्र.१) पुणे महानगरपालिका

उप अभियंता बांधकाम विकास विभाग (झोन नं.२) पुणे महानगरपालिका

कार्यकारी अभियंता विकास योजना व बांधकाम नियंत्रण (झो.क्र.१) पुणे महानगरपालिका

AREA STATEMENT	SQ.M.
1) AREA OF PLOT (Minimum area of a,b,c to be considered)	11431.54
a) As per ownership document (7/12,CTS extract)	
b) as per measurement sheet	
c) as per site	
2) DEDUCTIONS FOR	
a) Proposed D.P/D.P road widening Area/service road/highway Differed Area (3023.63)	3023.63
b) Any D.P Reservation area	
c) Reservation area	
Total (a+b+c)	8407.91
3) Balance area of Plot (1-2)	
4) AMENITY SPACE	1261.18
a) Required	1716.80
b) Adjustment of 2(a),if any (ALREADY SANCTIONED-1716.80)	
c) Balance Proposed	6691.11
5) NET PLOT AREA (3-4 (c)) 8407.91-1716.80=6691.11	
6) RECREATIONAL OPEN SPACE	840.79
a) Recuired	1143.27
b) Proposed (ALREADY PROPOSED ON SITE)	6691.11
7) INTERNAL ROAD AREA./transformer	
8) PLOTABLE AREA (if applicable)	6691.11
BALANCE AREA UNDER DEVELOPMENT	
9) BUILTUP AREA WITH REF. TO BASIC F.S.I as per road width.(1.1) SR. NO. 5 x 1.10 (6691.11X1.1)= 7360.22	7360.22
10) IN SITU FSI / TDR LOADING	
a) In situ area against D.P road (2.0 x sr.no.2 (a)if any road widening area = 7564.22 sqm. (as per sanction)(for 30.00m. w. road) road widening handover to P.M.C..(tobeyaadi) = 6735.00 sqm. shared for plot B = 1446.30 sqm. therefore balance r/w = 6735.00−1446.30 = 5288.70 sqm.	5288.70
11)ADDITIONAL OF FSI ON PAYMENT OF PREMIUM	
a) Maximum permissible premium FSI based on road width/TOD zone	
b) Proposed FSI on Payment of premium 50% on (8407.91) 8407.90X50% = 4203.95 (Permissible) already taken = 3345.55	3345.55
TDR PERMISSIBLE (1.40) 1.40 x 8407.91 = 11771.07 11771.07-5288.70 = 8482.37	
c) TDR TAKEN IS (4295.00) (previous 1573.31 + proposed 2721.69)	4295.00
12) ADITIONAL F.S.I AREA UNDER CHAPTER 7.	
13) TOTAL ENTITLEMENT OF F.S.I IN PROPOSAL	
a) (9+10(a)+11(b)+11(c)) OR 12 WHICH EVER APPLICABLE 7360.22+5288.70+3345.55+4295.00 =20289.47	20289.47
LESS SANCTIONESD F.S.I. = 10872.92 BALANCE = (20289.47-10872.92) BALANCE = 9416.55	9416.55
b) Ancillery area FSI upto 60% or 80% with payment charge 505.03/1.80 = 280.57 (COMMERCIAL) 9416.55-280.57 = 9135.98 9135.98x60% =5481.58 280.57x80% =224.45 (224.45+5481.58) = 5706.03	5706.03
c) Total entitlement (a+b) 20289.47+5706.03 = 25995.06	25995.06
14) MAXIMUM UTILIZATION LIMIT OF F.S.I PERMISSIBLE AS PER ROAD WIDTH (3.00)	
15) TOTAL BUILT UP AREA IN PROPOSAL (excluring area at sr.no.17b)	
a) Existing built up area 10872.92(f.s.i)	10872.92
b) Proposed Built up Area (as per P-line)	15106.27
c) Total (a+b) (10872.92+15106.27)= 25979.19	25979.19
16) F.S.I CONSUMEND (15/13) (should not be more than sr.no.14)	
17) AREA FOR INCLUSIVE HOUSING IF ANY	
a) Required (20% of sr.no.5)	
b) Required (20% of sr.no.5)	

LEGEND

* PLOT BOUNDRY	
* PROPOSED WORK	RED SMUDGED
* ROAD WIDENING	GREEN DOTTED
* WATER LINE	RED DOTTED
* DRAINAGE LINE	THIN BLACK DOTTED
* EXISTING STRUCTURE TO BE DEMOLISHED	YELLOW HATCHED
* EXISTING STRUCTURE TO BE RETAINED	BLUE

NOTE :-
1)THIS DRAWING IS BASED ON INFORMATION/DOCUMENTS PROVIDED BY OWNER/P.A.H. AND THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY DISPUTE,DIFFERENCES OR ANY LEGALITY OF THE OWNERSHIPS.
2)THIS DRAWING IS COPYRIGHT OF SPACE DESIGNERS' SYNDICATE & THIS DRAWING SHOULD NOT BE COPIED OR USED WITHOUT PRIOR PERMISSION OF ARCHITECT.(SPACE DESIGNERS' SYNDICATE)

SIGNATURE OF OWNER/DEVELOPER

SIGNATURE OF ARCHITECT
SHAIKH ZUBER RASHID (CA/83/7569)

ARCHITECTS
SPACE DESIGNERS' SYNDICATE
MEGASPACE,FIRST FLOOR,SOLAPUR BAZAR RD.
OFF EAST STREET, PUNE- 411001.
TEL. 26356234, 26363841.

DRG	SCALE	DATE	CHK. BY	DEALT	JOB.NO.
MD	1:500	13-10-23			10594

REVISED LAY OUT OF BUILDINGS ON PLOT NO. 'A', S.NO.22/2(P), AT KHARADI, PUNE.

जाहीर नोटीस

सर्व्हे नं. २२/२, (पार्ट), खराडी, पुणे, महाराष्ट्र या मिळकतीवरील मे. गोयल गंगा इंडिया प्रा. लि. यांच्या गंगा अल्टस प्रकल्पाला पर्यावरण विषयक मंजुरी देण्यात आली आहे. सदर पर्यावरण विषयक मंजुरीची प्रत महाराष्ट्र प्रदूषण नियंत्रण मंडळ यांचे कार्यालयामध्ये तसेच पर्यावरण मंत्रालय यांच्या वेबसाईटवर http://environmentclearance.nic.in येथे उपलब्ध आहे.

ANNEXURE 2

EHS MATRIX
PRIVATE LIMITED

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TEST REPORT

Report No:	**EHSM/2025/May/179**	**Issue Date**	**14/05/2025**
Name and Address of Customer	**M/s Goel Ganga India Pvt. Ltd.** **Site – Ganga Altus** **Colambia Asia Hospital, Near Ganga Arcadia, Kharadi, Pune**		
Sample Name	Air	**Sample Description**	Ambient Air
Date of Sampling	08/05/2025	**Sampling duration**	1440 Min
Sampling Location	**Near Sales Gate**	**Sampling Procedure**	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	39^0C	**Wet bulb temperature**	28^0C
Relative Humidity	54 %	**Sampling done by**	EHS Matrix Pvt Ltd, Pune
Start Date of Analysis	09/05/2025	**End Date of Analysis**	14/05/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO_2)	21.0	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO_2)	26.0	$\mu g/m^3$	≤ 80	IS 5182Part 6)
3	Particulate Matter PM_{10}	68.0	$\mu g/m^3$	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter $PM_{2.5}$	34.0	$\mu g/m^3$	≤ 60	

Remark- All above results is within National Ambient Air Quality standards.

EHS Matrix Pvt. Ltd. Pune

Authorized Signatory
Mr. Rahul Patil
(Director)

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PRIVATE LIMITED

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TEST REPORT

Report No:	**EHSM/2025/May/180**	**Issue Date**	**14/05/2025**
Name and Address of Customer	**M/s Goel Ganga India Pvt. Ltd. Site – Ganga Altus Colambia Asia Hospital, Near Ganga Arcadia, Kharadi, Pune**		
Sample Name	Air	**Sample Description**	Ambient Air
Date of Sampling	08/05/2025	**Sampling duration**	1440 Min
Sampling Location	**Construction Gate**	**Sampling Procedure**	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	38^{0}C	**Wet bulb temperature**	27^{0}C
Relative Humidity	51 %	**Sampling done by**	EHS Matrix Pvt Ltd, Pune
Start Date of Analysis	09/05/2025	**End Date of Analysis**	14/05/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO_2)	19.0	µg/m^3	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO_2)	24.0	µg/m^3	≤ 80	IS 5182 Part 6)
3	Particulate Matter PM_{10}	66.0	µg/m^3	≤ 200	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter $PM_{2.5}$	34.0	µg/m^3	≤ 100	

Remark - All above results is within National Ambient Air Quality standards.

EHS Matrix Pvt. Ltd. Pune

Authorized Signatory
Mr. Rahul Patil
(Director)

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TEST REPORT

Report No:	**EHSM/2025/May/181**	**Issue Date**	**14/05/2025**
Name and Address of Customer	**M/s Goel Ganga India Pvt. Ltd. Site – Ganga Altus Colambia Asia Hospital, Near Ganga Arcadia, Kharadi, Pune**		
Sample Name	Air	**Sample Description**	Ambient Air
Date of Sampling	08/05/2025	**Sampling duration**	1440 Min
Sampling Location	**Near D Building**	**Sampling Procedure**	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	38^0C	**Wet bulb temperature**	27^0C
Relative Humidity	50 %	**Sampling done by**	EHS Matrix Pvt Ltd, Pune
Start Date of Analysis	09/05/2025	**End Date of Analysis**	14/05/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO_2)	18.0	$\mu g/m^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO_2)	21.0	$\mu g/m^3$	≤ 80	IS 5182 Part 6)
3	Particulate Matter PM_{10}	62.0	$\mu g/m^3$	≤ 200	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter $PM_{2.5}$	31.0	$\mu g/m^3$	≤ 100	

Remark - All above results is within National Ambient Air Quality standards.

EHS Matrix Pvt. Ltd. Pune

Authorized Signatory
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TEST REPORT

Report No:	**EHSM/2025/May/182**	**Issue Date**	**14/05/2025**
Name and Address of Customer	**M/s Goel Ganga India Pvt. Ltd. Site – Ganga Altus Colambia Asia Hospital, Near Ganga Arcadia, Kharadi, Pune**		
Sample Name	Air	**Sample Description**	Ambient Air
Date of Sampling	08/05/2025	**Sampling duration**	1440 Min
Sampling Location	**Near E Building**	**Sampling Procedure**	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	39^{0}C	**Wet bulb temperature**	27^{0}C
Relative Humidity	52 %	**Sampling done by**	EHS Matrix Pvt Ltd, Pune
Start Date of Analysis	09/05/2025	**End Date of Analysis**	14/05/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO_2)	16.0	µg/m^3	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO_2)	18.0	µg/m^3	≤ 80	IS 5182 Part 6)
3	Particulate Matter PM_{10}	54.0	µg/m^3	≤ 200	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter $PM_{2.5}$	30.0	µg/m^3	≤ 100	

Remark - All above results is within National Ambient Air Quality standards.

EHS Matrix Pvt. Ltd. Pune

Authorized Signatory
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TEST REPORT

Report No:	**EHSM/2025/May/184**	**Issue Date**	**14/05/2025**
Name and Address of Customer	**M/s Goel Ganga India Pvt. Ltd.** **Site – Ganga Altus** **Colambia Asia Hospital, Near Ganga Arcadia, Kharadi, Pune**		
Sample Name	Source Emission	**Sample Description**	Stack Material : MS Stack Height : 2.0 mtr Stack Type : Round
Date of Sampling	08/05/2025		
Sampling Location	**DG Set – 1 82.5 KVA**		
Sampling done by	EHS Matrix Pvt Ltd, Pune	**Sampling duration**	30 Min
Sample Quantity	Thimble 1 Nos and 30 ml Solution	**Sampling Procedure**	CPCB Guideline on methodologies for source emission monitoring
Start Date of Analysis	09/05/2025	**End Date of Analysis**	14/05/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (MPCB Consent)	Methods
1	Flue Gas Temperature	354	K		---
2	Velocity	3.2	M/s		
3	Gas Volume	221.0	NM^3/Hr		
4	Particulate Matter	28.0	mg/NM^3	≤ 150	CPCB Guideline on methodologies for source emission monitoring
5	Sulphur Dioxide(SO2)	0.09	Kg/day	≤ 30	

➢ **Remark-** All above results is well within MPCB Limit.
N.S.- Not Specified

EHS Matrix Pvt. Ltd. Pune

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TEST REPORT

Report No:	**EHSM/2025/May/183**	**Issue Date**	14/05/2025
Name and Address of Customer	**M/s Goel Ganga India Pvt. Ltd.** **Site – Ganga Altus** **Colambia Asia Hospital, Near Ganga Arcadia, Kharadi, Pune**		
Sample Name	Noise	**Sample Description**	**Ambient Noise**
Date of Sampling	08/05/2025	**Sampling duration**	Spot Time
Sampling done by	EHS Matrix Pvt Ltd, Pune		

Results

Sr. No.	Locations	Result dB(A) Day	Result dB(A) Night	Specifications (CPCB Standards dB(A)	Method
1.	Near Construction Gate	53.2	42.1	55/45	CPCB Guideline
2.	Near Sales Gate	50.5	38.3		
3.	Near D Building	48.4	37.5		
4.	Near E Building	49.2	38.0		
5.	Near Sales Office	51.4	37.3		
6.	Labour Camp	50.2	38.2		
7.	Back Side	49.3	39.2		
8.	Storage Container Area	51.0	40.0		

Remark-

- All above Noise level results are within Central Pollution Control Board Standards limit.
- Day/Night -55/45 dB.

EHS Matrix Pvt. Ltd. Pune

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TEST REPORT

Report No:	**EHSM/2025/May/187**	**Issue Date**	**201/11/2023**
Name and Address of Customer	**M/s Goel Ganga India Pvt. Ltd.** **Site – Ganga Altus** **Colambia Asia Hospital, Near Ganga Arcadia, Kharadi, Pune**		
Sample Name	DG Noise (DG Set Insertion loss)	**Date of Sampling**	14/05/2025
Sampling done by	EHS Matrix Pvt Ltd, Pune		

DG Noise Monitoring Report

Sr. No.	Test Location	Reading in dB(A) 0.5 mtr. Away from DG				Avg.	Difference dB(A)
		North Side	East Side	South Side	West Side		
1	**DG Set – 1 – 82.5 KVA**						
1A	Without Enclosure	98	97.1	98.6	99.8	98.4	30.1
1B	With Enclosure	69.7	68.1	70.2	70.8	68.3	

Remark-

Maharashtra Pollution Control Board has prescribed minimum 25 dB (A) Noise as DG Insertion loss difference during with and without enclosure of DG.

EHS Matrix Pvt. Ltd. Pune

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TEST REPORT

Report No:	**EHSM/2025/May/188**	**Issue Date**	**14/05/2025**
Name and Address of Customer	**M/s Goel Ganga India Pvt. Ltd. Site – Ganga Altus Colambia Asia Hospital, Near Ganga Arcadia, Kharadi, Pune**		
Sample Name	**Water**	**Sample Description**	**Drinking Water**
Date of Sampling	08/05/2025	**Sampling Time**	11.30 AM
Sampling Location	Office Cooler Water	**Sampling Procedure**	APHA 1060
Sampling done by	EHS Matrix Pvt. Ltd., Pune.	**Sample Quantity**	02 L
Start Date of Analysis	09/05/2025	**End Date of Analysis**	14/05/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications IS 10500:2012	Methods
1	Colour	<2.0	Hazen	<5	APHA 2120 B ,23rd Ed.2017
2	Odour	Agreeable	--	Agreeable	IS 3025 (Part 5):2018
3	pH at 25^{0}C	7.2	--	6.5 to 8.5	APHA 4500 H^+ B, 23rd Ed.2017
4	Taste	Agreeable	--	Agreeable	IS 3025 (Part 8):2017
5	Turbidity	<1.0	NTU	<1	APHA 2130 B, 23rd Ed.2017
6	Total Dissolved Solids TDS	64.0	mg/L	<500	APHA 2540 C, 23rd Ed.2017
7	Calcium (as Ca)	6.0	mg/L	<75	IS 3025 (Part 40):2019
8	Chloride (as Cl)	11.0	mg/L	<250	APHA 4500 Cl^- B, 23rd Ed.2017
9	Fluoride (as F)	<0.1	mg/L	<1.0	APHA 4500 F^- D , 23rd Ed.2017
10	Residual Free Chlorine	2.0	mg/L	≥0.2	APHA 4500 Cl -B, 23rd Ed.2017
11	Iron (as Fe)	<0.1	mg/L	<0.3	APHA 3111 B, 23rd Ed.2017
12	Magnesium (as Mg)	3.0	mg/L	<30	IS 3025 (Part 46):2019
13	Nitrate(as NO_3)	1.3	mg/L	<45	APHA 4500 NO_3^- B, 23rd Ed.2017
14	Sulphate (as So_4)	<5.0	mg/L	<200	IS 3025 (Part 24/Sec 1):2022
15	Total Alkalinity (as $CaCO_3$)	18.0	mg/L	<200	IS 3025 (Part 23):2019
16	Total Hardness (as $CaCO_3$)	27.0	mg/L	<200	IS 3025 (Part 21):2019
17	E. coli	Absent	CFU/100ml	<2	IS 1622:2019
18	Total Coliform	Absent	CFU/100ml	<2	IS 1622:2019

Remark- The above water sample does Comply with required limit as per 10500:2012.

EHS Matrix Pvt. Ltd. Pune

Authorized Signatory
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(Director)

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TEST REPORT

Report No:	**EHSM/2025/May/189**	**Issue Date**	**14/05/2025**
Name and Address of Customer	**M/s Goel Ganga India Pvt. Ltd.** **Site – Ganga Altus** **Colambia Asia Hospital, Near Ganga Arcadia, Kharadi, Pune**		
Sample Name	**Water**	**Sample Description**	**Drinking Water**
Date of Sampling	08/05/2025	**Sampling Time**	11.05 AM
Sampling Location	**PMC Water**	**Sampling Procedure**	APHA 1060
Sampling done by	EHS Matrix Pvt. Ltd., Pune.	**Sample Quantity**	02 L
Start Date of Analysis	09/05/2025	**End Date of Analysis**	14/05/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications IS 10500:2012	Methods
1	Colour	<2.0	Hazen	<5	APHA 2120 B ,23rd Ed.2017
2	Odour	Agreeable	--	Agreeable	IS 3025 (Part 5):2018
3	pH at 25^{0}C	7.1	--	6.5 to 8.5	APHA 4500 H^+ B, 23rd Ed.2017
4	Taste	Agreeable	--	Agreeable	IS 3025 (Part 8):2017
5	Turbidity	<1.0	NTU	<1	APHA 2130 B, 23rd Ed.2017
6	Total Dissolved Solids TDS	70.0	mg/L	<500	APHA 2540 C, 23rd Ed.2017
7	Calcium (as Ca)	12.0	mg/L	<75	IS 3025 (Part 40):2019
8	Chloride (as Cl)	16.0	mg/L	<250	APHA 4500 Cl^- B, 23rd Ed.2017
9	Fluoride (as F)	<0.1	mg/L	<1.0	APHA 4500 F^- D , 23rd Ed.2017
10	Residual Free Chlorine	1.0	mg/L	≥0.2	APHA 4500 Cl -B, 23rd Ed.2017
11	Iron (as Fe)	<0.1	mg/L	<0.3	APHA 3111 B, 23rd Ed.2017
12	Magnesium (as Mg)	4.5	mg/L	<30	IS 3025 (Part 46):2019
13	Nitrate(as NO_3)	0.9	mg/L	<45	APHA 4500 NO_3^- B, 23rd Ed.2017
14	Sulphate (as So_4)	<5.0	mg/L	<200	IS 3025 (Part 24/Sec 1):2022
15	Total Alkalinity (as $CaCO_3$)	12.0	mg/L	<200	IS 3025 (Part 23):2019
16	Total Hardness (as $CaCO_3$)	20.0	mg/L	<200	IS 3025 (Part 21):2019
17	E. coli	Absent	CFU/100ml	<2	IS 1622:2019
18	Total Coliform	Absent	CFU/100ml	<2	IS 1622:2019

Remark- The above water sample does Comply with required limit as per 10500:2012.

EHS Matrix Pvt. Ltd. Pune

Authorized Signatory
Mr. Rahul Patil
(Director)

EHS MATRIX
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TEST REPORT

Report No:	**EHSM/2025/May/190**	**Issue Date**	**14/05/2025**
Name and Address of Customer	**M/s Goel Ganga India Pvt. Ltd. Site – Ganga Altus Colambia Asia Hospital, Near Ganga Arcadia, Kharadi, Pune**		
Sample Name	Waste Water	**Sample Description**	STP Outlet
Date of Sampling	08/05/2025	**Sampling Time**	11.00 AM
Sampling Location	**STP (45 KLD)**	**Sampling Procedure**	APHA 1060
Sampling done by	EHS Matrix Pvt. Ltd., Pune	**Sample Quantity**	02 L
Start Date of Analysis	09/05/2025	**End Date of Analysis**	14/05/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Methods
1	pH at 25^{0}C	7.3	--	APHA 4500 H^+ B, 23rd Ed.2017
2	Total Suspended Solids TSS	<5.0	mg/L	APHA 2540 D, 23rd Ed.2017
3	Biochemical Oxygen Demand BOD at 27°C for 3 days	6.0	mg/L	IS 3025 (Part 44):2019
4	Chemical Oxygen Demand COD	22.0	mg/L	IS 3025 (Part 58):2017
5	Residual Free Chlorine	<0.1	mg/L	APHA 4500 Cl -B, 23rd Ed. 2023
6	Floating Matter	<5.0	mg/L	APHA 2540 D, 23rd Ed. 2023
7	Detergent	0.8	mg/L	APHA 5540 C, 23rd Ed. 2017
8	Fecal Coliform	52.0	CFU/100 ml	IS 1622 : 2019

Remark-

EHS Matrix Pvt. Ltd. Pune

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TEST REPORT

Report No:	**EHSM/2025/May/191**	**Issue Date**	**14/05/2025**
Name and Address of Customer	**M/s Goel Ganga India Pvt. Ltd. Site – Ganga Altus Colambia Asia Hospital, Near Ganga Arcadia, Kharadi, Pune**		
Sample Name	Soil	**Sample Description**	Soil
Date of Sampling	08/05/2025	**Sampling Time**	11.30 AM
Sampling Location	**Sales Office Garden Soil**	**Sampling Procedure**	--
Sampling done by	EHS Matrix Pvt. Ltd., Pune	**Sample Quantity**	02 Kg
Start Date of Analysis	09/05/2025	**End Date of Analysis**	14/05/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Methods
1	pH at 25^{0}C	8.2	--	IS 2720(Part 26) 1987
2	EC at 25^{0}C	254	µS/cm	IS 14767 : 2000
3	Total Kjeldahl Nitrogen	172.0	mg/Kg	Manual of Soil Testing
4	Water Retention Capacity	50.0	%	Manual of Soil Testing
5	Sulphate	67.0	mg/Kg	IS 2720 (Part 27)
6	Chloride	265.0	mg/Kg	EHS SOP
7	Calcium (Ca)	220.0	mg/Kg	Manual of Soil Testing
8	Potassium (as K)	110.0	mg/Kg	Manual of Soil Testing
9	Copper (as Cu)	<1.0	mg/Kg	Manual of Soil Testing
10	Zinc (as Zn)	<1.0	mg/Kg	Manual of Soil Testing
11	Iron (as Fe)	30.0	mg/Kg	Manual of Soil Testing
12	Manganese	<1.0	mg/Kg	Manual of Soil Testing
13	Boron	<1.0	mg/Kg	Manual of Soil Testing
14	Total Phosphate	124.0	mg/Kg	Manual of Soil Testing
15	Nickel	<1.0	mg/Kg	EHS SOP
16	Cadmium	<1.0	mg/Kg	
17	Lead (Pb)	<1.0	mg/Kg	
18	Sodium	62.0	mg/Kg	Manual of Soil Testing

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TEST REPORT

Report No:	**EHSM/2025/May/192**	**Issue Date**	**14/05/2025**
Name and Address of Customer	**M/s Goel Ganga India Pvt. Ltd. Site – Ganga Altus Colambia Asia Hospital, Near Ganga Arcadia, Kharadi, Pune.**		
Sample Name	**Water**	**Sample Description**	**Borewell Water**
Date of Sampling	08/05/2025	**Sampling Time**	12.30 PM
Sampling Location	-	**Sampling Procedure**	APHA 1060
Sampling done by	EHS Matrix Pvt. Ltd., Pune.	**Sample Quantity**	02 L
Start Date of Analysis	09/05/2025	**End Date of Analysis**	14/05/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications IS 10500:2012	Methods
1	Colour	<2.0	Hazen	<5	APHA 2120 B ,23rd Ed.2017
2	Odour	Agreeable	--	Agreeable	IS 3025 (Part 5):2018
3	pH at 25°C	7.3	--	6.5 to 8.5	APHA 4500 H^+ B, 23rd Ed.2017
4	Taste	Agreeable	--	Agreeable	IS 3025 (Part 8):2017
5	Turbidity	<1.0	NTU	<1	APHA 2130 B, 23rd Ed.2017
6	Total Dissolved Solids TDS	210.0	mg/L	<500	APHA 2540 C, 23rd Ed.2017
7	Calcium (as Ca)	38.0	mg/L	<75	IS 3025 (Part 40):2019
8	Chloride (as Cl)	44.0	mg/L	<250	APHA 4500 Cl^- B, 23rd Ed.2017
9	Fluoride (as F)	<0.2	mg/L	<1.0	APHA 4500 F^- D , 23rd Ed.2017
10	Residual Free Chlorine	0.3	mg/L	≥0.2	APHA 4500 Cl -B, 23rd Ed.2017
11	Iron (as Fe)	<0.1	mg/L	<0.3	APHA 3111 B, 23rd Ed.2017
12	Magnesium (as Mg)	13.0	mg/L	<30	IS 3025 (Part 46):2019
13	Nitrate (as NO_3)	3.0	mg/L	<45	APHA 4500 NO_3^- B, 23rd Ed.2017
14	Sulphate (as So_4)	<5.0	mg/L	<200	IS 3025 (Part 24/Sec 1):2022
15	Total Alkalinity (as $CaCO_3$)	95.0	mg/L	<200	IS 3025 (Part 23):2019
16	Total Hardness (as $CaCO_3$)	121.0	mg/L	<200	IS 3025 (Part 21):2019
17	E. coli	Absent	MPN/100ml	<2	IS 1622:2019
18	Total Coliform	Absent	MPN/100ml	<2	IS 1622:2019

Remark- The above water sample does Comply with required limit as per 10500:2012.

EHS Matrix Pvt. Ltd. Pune

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(Director)

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TEST REPORT

Report No:	**EHSM/2025/May/R**	**Issue Date**	**14/05/2025**
Name and Address of Customer	**M/s Goel Ganga India Pvt. Ltd. Site – Ganga Altus Colambia Asia Hospital, Near Ganga Arcadia, Kharadi, Pune.**		
Sample Name	Solid	**Sample Description**	**OWC Manure**
Date of Sampling	08/05/2025	**Sampling Time**	12.10 PM
Start Date of Analysis	09/05/2025	**End Date of Analysis**	14/05/2025
Sampling Location	**OWC**	**Sampling Procedure**	--
Sampling done by	EHS Matrix Pvt Ltd, Pune	**Sample Quantity**	02 Kg

Results

Sr. No.	Parameters	Results	Limit As per FCO	Unit(s)
1.	pH	7.5	**6.5-7.5**	--
2.	Moisture	17.2	**≤ 25**	%
3.	Colour	Blackish Brown	**Dark Brown to Black**	--
4.	Odour	Absence of foul smell	**Absence of foul smell**	--
5.	Bulk Density	0.65	**≤ 1.0**	gm/cm^3
6.	Total Organic Carbon	26.3	**≥ 14**	%
7.	Total Nitrogen (as N)	1.44	**≥ 0.8**	%
8.	Total Phosphate (as P_2O_5)	0.72	**≥ 0.4**	%
9.	Potash(as K_2O)	1.31	**≥ 0.4**	%
10.	C:N Ratio	16.0	**≤ 20:1**	--
11.	Particle Size	88 % pass through 4.0 mm Sieve	**Min 90% material pass through 4.0 mm IS sieve**	%

EHS Matrix Pvt. Ltd. Pune

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TEST REPORT

Report No:	**EHSM/2025/May/192/1**	**Issue Date**	**14/05/2025**
Name and Address of Customer	**M/s Goel Ganga India Pvt. Ltd.** **Site – Ganga Altus** **Colambia Asia Hospital, Near Ganga Arcadia, Kharadi, Pune**		
Sample Name	Waste Water	**Sample Description**	STP Outlet
Date of Sampling	08/05/2025	**Sampling Time**	11.00 AM
Sampling Location	**STP (265 KLD)**	**Sampling Procedure**	APHA 1060
Sampling done by	EHS Matrix Pvt. Ltd., Pune	**Sample Quantity**	02 L
Start Date of Analysis	09/05/2025	**End Date of Analysis**	14/05/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Methods
1	pH at 25^0C	7.21	--	APHA 4500 H^+ B, 23rd Ed.2017
2	Total Suspended Solids TSS	<5.0	mg/L	APHA 2540 D, 23rd Ed.2017
3	Biochemical Oxygen Demand BOD at 27^0C for 3 days	9.1	mg/L	IS 3025 (Part 44):2019
4	Chemical Oxygen Demand COD	33.8	mg/L	IS 3025 (Part 58):2017
5	Residual Free Chlorine	<0.1	mg/L	APHA 4500 Cl -B, 23rd Ed. 2023
6	Floating Matter	<5.0	mg/L	APHA 2540 D, 23rd Ed. 2023
7	Detergent	1.1	mg/L	APHA 5540 C, 23rd Ed. 2017
8	Fecal Coliform	60.0	CFU/100 ml	IS 1622 : 2019

Remark-

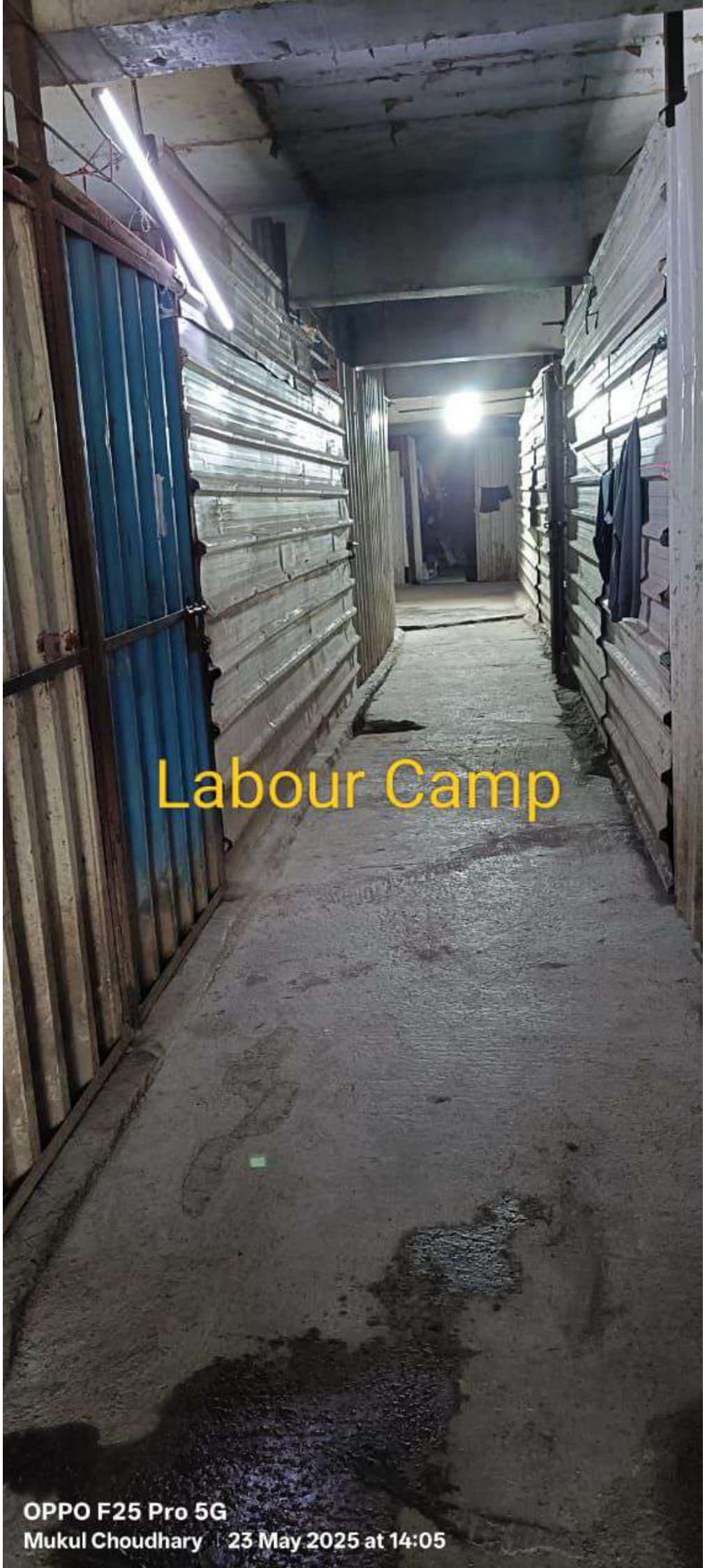
EHS Matrix Pvt. Ltd. Pune

Authorized Signatory
Mr. Rahul Patil
(Director)

ANNEXURE 3


Bath Water Tank
OPPO F25 Pro 5G
Mukul Choudhary | 23 May 2025 at 14:35


PLASTO
Drinking Water Tank
OPPO F25 Pro 5G
Mukul Choudhary | 23 May 2025 at 14:33


Labour Camp
OPPO F25 Pro 5G
Mukul Choudhary | 23 May 2025 at 14:05


Labour camp Toilet
पुरुष
13
पुरुष
12
पुरुष
11
OPPO F25 Pro 5G
Mukul Choudhary | 23 May 2025 at 14:35


STP
OPPO F25 Pro 5G
Mukul Choudhary 23 May 2025 at 14:52

OPPO F25 Pro 5G
Mukul Choudhary 23 May 2025 at 14:49


SUDHIR
CS380D5P
380KVA
OPPO F25 Pro 5G
Mukul Choudhary 23 May 2025 at 14:49


82.5 KVA
82.5 KVA
OPPO F25 Pro 5G
Mukul Choudhary 23 May 2025 at 14:48


D&E - TOWER STP
OPPO F25 Pro 5G
Mukul Choudhary 23 May 2025 at 15:07


Security&Wave
Bridge Cabin
OPPO F25 Pro 5G
Mukul Choudhary · 23 May 2025 at 15:28


SAVE WATER
Urinal & Gola
Garbage
OPPO F25 Pro 5G
Mukul Choudhary | 23 May 2025 at 14:07


Nilkamal
MATERIAL HANDLIN
स्वच्छ भारत
May 23, 2025 3:34:26 PM
@ AnAnD @.


Dry Garbage
DEEP
OPPO F25 Pro 5G
Mukul Choudhary 23 May 2025 at 15:27