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 Partner
NYATI BUILDERS PVT LTD
Nyati Unitree Yerwada Pune -411006

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/INFRA2/401061/2022 dated 30 Nov 2022. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC23B038MH110368**
2.	**File No.**	SIA/MH/INFRA2/401061/2022
3.	**Project Type**	Expansion
4.	**Category**	B
5.	**Project/Activity including Schedule No.**	8(a) Building and Construction projects
6.	**Name of Project**	Proposed Expansion in Proposed Residential and Commercial project “Nyati Exuberance”
7.	**Name of Company/Organization**	NYATI BUILDERS PVT LTD
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: 18/05/2023

(e-signed)
Pravin C. Darade , I.A.S.
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/INFRA2/401061/2022
Environment & Climate Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s. Nyati Builders Pvt. Ltd.
Undri, Haveli, Pune

Subject: Environmental Clearance for Proposed Expansion in Proposed Residential and Commercial project "Nyati Exuberance", at S. No 24/2/1, 24/2/1/7., 24/2/1/2/1, 24/2/1/5, 26/1/2,26/1/3, 26/1/1, 26/1/1/4, 26/1/5, 26/1/6,26/1/7,26/1/7, 26/1/8, 26/1/9, 26/1/10, 26/1/11, 26/1/12, 26/1/13,26/1/14, Undri, Haveli, Pune by M/s. Nyati Builders Pvt. Ltd.

Reference: Application no. SIA/MH/INFRA2/401061/2022

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-3 in its 163rd meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 258th meeting (Day-4) of State Level Environment Impact Assessment Authority (SEIAA) held on 11.04.2023.

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

1.	Proposal Number	SIA /MH/MIS/401061/2022	
2.	Name of Project	Proposed Expansion in Proposed Residential and Commercial project "Nyati Exuberance", at S. No 24/2/1, 24/2/1/7., 24/2/1/2/1,24/2/1/5, 26/1/2,26/1/3, 26/1/1, 26/1/1/4, 26/1/5, 26/1/6, 26/1/7,26/1/7, 26/1/8, 26/1/9, 26/1/10, 26/1/11, 26/1/12, 26/1/13, 26/1/14, Undri, Haveli, Pune by M/s. Nyati Builders Pvt. Ltd.	
3.	Project category	8a (B2)	
4.	Type of Institution	Private Limited	
5.	Project Proponent	Name	Mr. Piyush Nitin Nyati
		Regd. Office address	S. No. 103, Plot No. 129, 5th floor, Nyati Unitree, Nagar Road, Yerwada, Pune.
		Contact number	+91-20-66863333.
		e-mail	sanctioning@nyatigroup.com
6.	Consultant	Sneha- Hitech Products, Bangalore	
7.	Applied for	Brown Field Project	
8.	Details of previous EC	We have received Environment Clearance through SEIAA	

		Maharashtra File No. SIA/MH/MIS/243382 Dated 27.03.2022					
9.	Location of the project	At S. No 24/2/1, 24/2/1/7., 24/2/1/2/1, 24/2/1/5, 26/1/2,26/1/3,26/1/1, 26/1/1/4, 26/1/5, 26/1/6, 26/1/7,26/1/7, 26/1/8, 26/1/9, 26/1/10, 26/1/11, 26/1/12, 26/1/13, 26/1/14, Undri, Taluka Haveli, Dist Pune					
10.	Latitude and Longitude	Latitude- 18°27'17.32" N Longitude- 73°55'21.76" E					
11.	Total Plot Area (m^2)	15,950.00					
12.	Deductions (m^2)	3498.90					
13.	Net Plot area (m^2)	12,451.10					
14.	Proposed FSI area (m^2)	45,296.67					
15.	Proposed non-FSI area (m^2)	17,495.31					
16.	Proposed TBUA (m^2)	62,791.98					
17.	TBUA (m^2) approved by Planning Authority till date	Not Sanction					
18.	Ground coverage (m^2) & %	2383.08 19.14 % of net plot area					
19.	Total Project Cost (Rs.)	179.76 Cr					
20.	CER as per MoEF & CC circulardated 01/05/2018	Activity	Location	Cost (Rs.)	Duration		
		We will follow the conditions mentioned in OM					

21.	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			
	Building Name	Configuration	Height (m)	Building Name	Configuration	Height (m)	No Changes in Building Configuration
	C1	B +St +26	79.9	C1	B +St +26	79.9	
	C2	B +St +26	79.9	C2	B +St +26	79.9	
	C3	B +St +26	79.9	C3	B +St +26	79.9	
	C4	B +St +26	79.9	C4	B +St +26	79.9	
	C5	B +St +26	79.9	C5	B +St +26	79.9	
	Building D MHADA with shops	B +St +8	27.0	Building D MHADA with shops	B +St +8	27.0	
	Commercial building	GR+ MEZ	5.45	Commercial building	GR+ MEZ	5.45	
22.	Total number of tenements			Residential: 526 nos., MHADA: 58 nos., Shop: 18			
		Dry Season (CMD)		Wet Season (CMD)			

S	Water Budget	Fresh Water	262 m^3/day	Fresh Water	262 m^3/day
		Recycled (Gardening)	13 m^3/day	Recycled (Gardening)	0 m^3/day
		Recycled Flushing	133 m^3/day	Recycled Flushing	133 m^3/day
		Swimming Pool	1.5 m^3	Swimming Pool	1.5 m^3
		Total	409.5 m^3/day	Total	395 m^3/day
		Waste water generation	343 m^3/day	Waste water generation	343 m^3/day
24.	Water Storage Capacity for Firefighting / UGT	Fire fighting -Underground water tank: 1 Tank of 400 KLD Fire fighting- Over head Tank: 20 KLD for each building.			
25.	Source of water	Local Body – Pune Municipal Corporation			
26.	Rainwater Harvesting (RWH)	Level of the Ground water table:		Below 8-9m on an average	
		Size and no of RWH tank(s) and Quantity:		NA	
		Quantity and size of recharge pits:		7 No & 1.8X1.8X2.5M	
		Details of UGT tanks if any:		NA	
27.	Sewage and Wastewater	Sewage generation in CMD:		343	
		STP technology:		MBBR	
		Capacity of STP (CMD):		350	
28.	Solid Waste Management during Construction Phase	Type	Quantity (kg/d)	Treatment / disposal	
		Construction waste	Steel, Tiles, Excavated material etc	Will be handed over toauthorized recycler Top soil will be used for landscaping.	
29.	Solid Waste Management duringOperation Phase	Type	Quantity (kg/d)	Treatment / disposal	
		Dry waste:	596 kg/day	Will be handed over to authorized recycler	
		Wet waste:	873 kg/day	Will be treated in OWC	
		Hazardous waste:	NA	Handed over to authorized recyclers	
		Biomedical waste	NA	NA	
		E-Waste	4.5 kg/day	Will be handed over to authorized recycler	
		STP Sludge (dry)	34.4 kg/day	Will be used as manure for gardening purpose	
		Total RG area (m^2):		1474.98	

30.	Green Belt Development	Existing trees on plot:	00
		Number of trees to be planted:	155
		Number of trees to be cut:	00
		Number of trees to be transplanted:	00
		Number of trees to be Proposed on site	126
		Number of trees to be planted on another site	29
31.	Power requirement	Source of power supply:	MSEDCL
		During Construction Phase (Demand Load):	30 KW
		During Operation phase (Connected load):	3142 KVA
		During Operation phase (Demand load):	1346 KVA
		Transformer	2 Nos. of 630 KVA & 1 Nos. of 315 KVA
		DG set:	400 KVA – 1 No. & 320 KVA – 1 No for Bldg.C1, C2, C3, C4 & C5 62.5 KVA – 1 No. – Bldg. D MHADA 20 KVA – 1 No. Commercial
		Fuel used:	HSD
32.	Details of Energy saving	• Solar Water Heating Systems Will Be Done For Bathrooms. • Solar lights will be provided for common amenities like Street lighting& Garden lighting. • CFL & LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound wallsetc. • Auto Timer Switches will be provided for Street lights, Garden lights,Parking & staircase Lights & Other Common Area Lights, for saving electrical energy. • Water Level Controllers with Timers will be used for Water Pumps. • To create awareness to end consumer or flat owner, for using energyefficient light fittings like CFL, T5 Lamps & LED Lights. • Detail calculations & % of saving:- 15.42 %	
33.	Environmental Management plan budget during Construction phase	Type	Details	Cost (Rs.)
		Air Environment	Erosion control – dust suppression measures, barricading and topsoil preservation	1.65
		Land	Labor Camp toilets & sanitation	4.8

		Health and Safety	Labor Safety Equipment's and training	4	
		Health facility	Disinfection and Health Check-ups	0.66	
		Environment Management	Environment management cell	1.75	
		Environment Management	Environmental Monitoring	3.26	
34.	Environmental Management plan Budget during Operation phase	Component	Details	Capital (Rs.in Lacs)	O&M (Rs.in Lacs/Y)
		Storm water	-		
		Sewage treatment	STP with MBBR Technology	41.64	19.04
		Water treatment	-	-	-
		RWH	Rain Water harvesting	12.60	0.37
		Swimming Pool	-		
		Solid Waste	OWC	19.96	6.01
		Green Belt Development	Development and Maintenance	11.88	2.61
		Energy saving	Solar water heating system, solar streetlights	106.4	3.57
		Environmental Monitoring	From MoEF&CC approved lab	-	1.85
		Disaster Management	During operation phase	90	10

35.	Traffic Management	Type	Required as per DCR	Actual Provided	Area per parking (m^2)
		4-Wheeler	319	319	As per Standard DCR (12,378.47 m^2)
		2-Wheeler	1470	1470	
		Bicycles	-	-	
36.	Details of Court cases / litigations w.r.t. the project and project location if any.				No

Comparative statement for the project

Sr. No.	Details	As Per EC received OnDtd. March 2, 2020	Proposed expansion As Per – UDCPR	Remarks
1.	Survey No.	At S. No 24/2/1, 24/2/1/7.,	At S. No 24/2/1,	No Change
		24/2/1/2/1, 24/2/1/5, 26/1/2,	24/2/1/7., 24/2/1/2/1,	
		26/1/3, 26/1/1, 26/1/1 /4,	24/2/1/5, 26/1/2, 26/1/3,	
		26/1/5, 26/1/6, 26/ 1/7, 26/1/7,	26/1/1, 26/1/1 /4, 26/1/5,	

		26/1/8, 26/1/9, 26/1/10,	26/1/6, 26/ 1/7, 26/1/7,	
		26/1/11, 26/1/12, 26/1/13,	26/1/8, 26/1/9, 26/1/10,	
		26/1/ 14, Undri, Taluka Haveli, DistPune.	26/1/11, 26/1/12, 26/1/13, 26/1/ 14, Undri, Taluka Haveli, DistPune.	
2.	Project name	Proposed Expansion in Proposed Residential and Commercial project "Nyati Exuberance"	Proposed Expansion in Proposed Residential and Commercial project"Nyati Exuberance"	No Change
2.	Plot area	15950.0 m2	15950.0 m2	No Change
3.	FSI	44528.22 m2	45,296.67 m2	Increased by 768.45 m2due to change in plan
4.	Non FSI	17268.92 m2	17,495.31 m2	Increased by 226.39 m2due to change in plan
5.	Built up Area	61797.14 m2	62,791.98 m2	Increased by 994.84 m2 due to change in plan
6.	No of Buildingsand Wings	BuildingC1, C2, C3, C4, C5,Building D MHADA withshops	BuildingC1, C2, C3, C4,C5, Building D MHADA with shops	No Change
7	Bldg. Configuration	Building C1-C5-B+St+26 Building D MHADA with shops-B+St+8 Commercial building- GR+MEZ	Building C1-C5-B+St+26 Building D MHADA with shops-B+St+8 Commercial building-GR+MEZ	No Change
8	No. of tenements	526 Residential Flats,MHADA58 nos. & 18nos. of Shops	526 Residential Flats,MHADA 58 nos. & 18nos. of Shops	No Change
9	Project Cost – Cr	Rs. 119.90 Cr.	Rs.179.76 Cr.	Increased by 59.86Cr
10	Total Water requirement	409.5 m3/day	409.5 m3/day	No Change
11	Sewage generation	343 CMD	343 CMD	No Change
12	STP Capacity	350 CMD	350 CMD	No Change
13	Solid waste management	Wet garbage –873 kg/day Dry Garbage –596 kg/day STP Sludge –34.4 Kg/day	Wet garbage –873 kg/day Dry Garbage –596 kg/day STP Sludge –34.4 Kg/day	NoChange
14	Green belt area	1474.98 m2	1474.98 m2	No Change

3. Proposal is an expansion of existing construction project. PP has obtained earlier EC vide letter No. SIA/MH/MIS/243382 dated 27.03.2022 for BUA of 61797.14 m2. Proposal has been considered by SEIAA in its 258th meeting (Day-4) 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 the architect certificate indicating the FSI & Non-FSI area constructed.
2. PP to provide electric charging facility by providing charging points at suitable places as per Maharashtra Electric Vehicle Policy,2021. PP to ensure that this should be provided in AC/DC combination.
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 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.
2. PP to achieve at least 5% of total energy requirement from solar/other renewable sources.
3. 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.
4. SEIAA after deliberation decided to grant EC for – FSI area -44,528.22 m2, Non FSI area 17,268.92 m2 and total BUA - 61,797.14 m2 (Plan approval No. CC/3237/21 dated 13.01.2022) (Restricted as per approval)

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. 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.

XVII. 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.

XVIII. 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.

XIX. 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. 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.

XIII. 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.

Pravin Darade
(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

NYATI
25 YEARS OF EXCELLENCE

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info@nyatigroup.com
www.nyatigroup.com

Date: 01/12/2023

To,
The Additional Director (Scientific),
Regional Office, (WCZ),
Ground Floor, East Wing,
New Secretariat Building, Civil Lines,
Nagpur- 440001, Maharashtra.

Subject: Half yearly Environment compliance report of Residential construction project located at S. No. 24(P), 26(P), Undri, Pune for June 2023 to November 2023

Reference: Environment clearance vide no. EC22B038MH171251 dated 27/3/2022

Respected Sir,

We have received above referred environment clearance for your project. As mentioned in environment clearance condition we are herewith enclosing compliance report in prescribed format comprising

1. Data sheet
2. Pointwise compliance report
3. Relevant Annexures

This is for your reference and record. Kindly acknowledge the same.

Thanking you,

Yours Sincerely,

For Nyati Builders Pvt. Ltd.

Authorized Signatory

Copy to:
1. Member Secretary, Maharastra Pollution Control Board, Pune
2. SEIAA, Environment Department, Govt Of Maharashtra, Mantralaya Mumbai

SIX MONTHLY COMPLIANCE REPORT

For period of June 2023 to November 2023

By

Nyati Builders Pvt. Ltd

Index

Monitoring the Implementation of Environmental Safeguards
Ministry of Environment, Forest & Climate Change
Regional Office (West Central Zone), Nagpur
Monitoring Report
Part – I
DATA SHEET

1.	Project Type: River-valley / Mining / Industry /Thermal / Nuclear / Other (Specify)	Construction project – Residential and commercial development
2.	Name of the Project	"Nyati Exuberance" Nyati Builders Pvt Ltd
3.	Clearance Letter (s) / OM No. and date	**EC No. –EC 22B038MH171251** **Dated – 27/3/2022**
4.	Location	S. No. 24(P), 26(P), Undri
	a. District (s)	Pune
	b. State (s)	Maharashtra
	c. Latitude d. Longitude	Latitude: 18°27'17.32"N Longitude: 73°55'21.76"E
5.	Address for correspondence a. Address of concerned Project Chief Engineer (with Pin Code & Telephone/ Telex/ Fax Numbers) :	Mr. Piyush Nyati Director Nyati Builders Pvt Ltd. "Nyati Unitree", Nagar Road, Yerawada Pune- 411006
	b. Address of Executive Project Engineer / Manager (with pin code/fax numbers)	Mr. D. S. Dey Nyati Builders Pvt Ltd. "Nyati Unitree", Nagar Road, Yerawada Pune- 411006 Tel No. 020- 66863333
6.	Salient features	
	a. Of the Project	It is Residential and commercial development
	b. Of the Environmental Management Plan	**1. Sewage Treatment Plant-** • We have planned to provide STP for the treating the waste water. • STP having capacity 350 KLD will be provide. **2. Solid waste management-** • Top soil shall be preserved and reused within the project site for the landscaping. • Biodegradable waste will be treated by Organic waste converter. • Dry waste will be handed over to the authorized vendor. • STP Sludge will be used as manure. **3. Rain water Harvesting:** Rain water harvesting pits shall be provided to raise the ground water table. **4. Solar Energy-** • Solar lights will be provided for the common amenities like street lighting & garden lighting. • Solar water heating system will be done.

		Please refer Annexure 4 Project Status for details of environmental infrastructure
7.	Breakup of the Project area	
	a. Submergence Area: Forest & Non Forest	Project is on non Non Forest land
	b. Others	a. Total Plot Area – 15950 sq.mt.
		b. FSI area- 44528.22 sq.mt
		c. NON FSI area- 17268.92 sq.mt.
		d. Construction Built - Up Area –61797.14 sq.mt.
		Please refer Project Status Annexure 4 Construction is as per EC received vide no. **EC 22B038MH171251 Dated – 27/3/2022**
8.	Breakup of the Project affected population with enumeration of those losing houses/dwelling units only, agricultural land only, both dwelling units & both dwelling units & agricultural land & landless laborers/artisan	Project does not include any displacement or rehabilitation. Project under reference is residential construction project developed on barren land as per development permission and sanction plan received from municipal authority
	a. SC, ST/Adivasis	--
	b. Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey carried out gives details and years of survey.)	--
9.	Financial Details;	
	a. Project costs as originally planned & subsequent revised estimates and the year of price reference.	Total cost of project- Rs. 119.90/-cr. only. Total cost of project given is EC was proposed project cost considered at time of getting EC will be further revised in amendment of environmental clearance
	b. Allocations made for Environmental Management Plan with item wise & year wise breakup.	Please refer Annexure Environment Management Plan 10
	c. Benefit Cost Ratio / Internal rate of Return and the year of assessment.	
	d. Whether (c) includes the cost of Environmental Management as shown in the above.	
	e. Whether (c) includes the cost of Environmental Management as shown in the above.	
	f. Actual expenditure incurred on the Environmental Management Plan so far	Please refer Annexure Environment Management Plan 10
10.	Forest land requirement	
	a. The status of approval for diversion of Forestland for non-forestry use	Not Applicable
	b. The Status of clearing felling	Not Applicable
	c. The status of compensatory Afforestation programme in the light of actual field experience	Not Applicable

	d. Comments on the viability and sustainability of compensatory afforestation program in the light of actual field experience so far.	Not Applicable
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, Approach roads), if any with quantitative information	Not Applicable
12.	Status of construction	
	a. Date of commencement (Actual and/or Planned)	As per commencement certificate received from municipal authority Refer NOCs Annexure 7
	b. Date of completion (Actual and/or Planned)	We have not yet received completion certificate
13.	Reasons for the delay if the project is yet to start	Not applicable
14.	Dates of site visits	
	a. The dates on which the Project was monitored by Regional Office on previous occasions, if any	Yes site visit done by MOECC regional officer 26/11/2022
	b. Date of site visit for this monitoring Report	We have received Certified compliance Report on 09/12/2022
15.	Details of correspondence with project authorities for obtaining action plan / information on status of compliance to safeguards other than the routine letters for logistic support for site visit. (The monitoring report may obtain the details of all the letters issued so far but the later reports may cover only the letters issued subsequently)	Mr. Piyush Nyati Director M/s. Nyati Builders Pvt. Ltd. "Nyati Unitree", Nagar Road, Yerawada Pune- 411006 Email- sanctioning@nyatigroup.com Tel- 020-66863333

3. The proposal has been considered by SEIAA in its 239th 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:

Specific Conditions:

A. SEAC Conditions

Sr. No.	Condition	Status
1.	PP to submit certified compliance report from reginal office MoEF&CC	Certified compliance report from regional office MoEF&CC is submitted
2.	PP to submit Revised Fire NOC	Revised Fire NOC dated 31st January,2022 from PMC is submitted.
3.	PP to submit the revised Indemnity bond stating "Indemnity to SEIAA & SEAC for legal consequences arise on account of dispute"	Revised Indemnity Bond is submitted.
4.	PP to provide minimum 30% of total parking arrangement with electric charging points at suitable places	Undertaking is provided
5.	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.	We committed that we will use treated water from sewage treatment plant for the construction purpose of our project as per circular outward number

B. SEIAA Condition

Sr. No.	Condition	Status
1.	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	We are agreed to comply
2.	PP to achieve at least 5%of total Energy requirement from solar/ other renewable sources.	We are providing solar panels and solar plates to meet energy requirement.
3.	PP shall comply with standard ec conditions mentioned in Office memorandum issued by MOEF & CC vide No. 22-34/2018-1A III dt. 04.01.2022	We are agreed to comply
4.	SEIAA after deliberation decided to grant EC for FSI- 44528.22 sq.m, NON-FSI- 17268.92 sq.m, Total BUA-61797.14 sq.m	As per received sanction plan and environment clearance

General Conditions:

a) Construction Phase

Sr. No.	Condition	Status
I.	The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material	Please refer project status Annexure 3 Please refer Environment management plan Annexure 10
II.	Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	All the excavated material is used for land leveling. Top Soil will be used for landscaping at project site.
III.	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and Norms with necessary approvals of the Maharashtra Pollution Control Board.	Not Applicable
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.	Please refer Annexure 10 Environment management plan
V.	Arrangement shall be made that waste water and storm water do not get mixed.	Separate network for storm water and sewage are provided and received NOC from receptive department
VI.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.	Please refer environment Management Plan Annexure X
VII.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority	We have not used ground water during construction phase of project.
VIII.	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.	Agreed to comply.
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.	We will be provided low flow fixtures for showers, toilet flushing and drinking by using of pressure regulator valve.

Sr. No.	Condition	Status
X.	The energy conservation Building code shall be strictly adhered to.	We are strictly adhere to the energy conservation Building code
XI.	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	All the topsoil and excavated material is used for land leveling and landscape on 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.	Excavated material was used for leveling on own site.
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	Agreed to comply
XIV.	PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection & Preservation of Tree Act, 1975 as amended during the validity of Environmental Clearance.	We have Agreed to comply.
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.	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 & Preservation of Tree Act, 1975 as amended during the validity of Environmental Clearance.	PP Agreed to comply.
XVII.	Vehicles hired for transportation of raw material shall be strictly comply the emission norms prescribed by Ministry of Road Transport & highway Department. The vehicle shall be adequately covered to avoid spillage/leakage.	Daily checking of PUC for every vehicle before entry at project site. Vehicles operated only during non-peak hours at project site.
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.	Please refer Environment monitoring reports Annexure 11
XIX.	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of	DG set are with acoustic canopy & confirming the rules made under the Environment (Protection) Act 1986.

Sr. No.	Condition	Status
	enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	
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/ designed person.	Construction work is being supervised by Project Engineer and qualified supervisors.

B) Operation Phase

Sr. No.	Condition	Status
I.	a) Solid waste generated should be properly collected and segregated. b) Wet waste should be treated by Organic waste converter and treated waste should be utilises in 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 filling after recovering recyclable material.	Project is in construction phase. We are agreed to comply with this condition
II.	E- Waste shall be disposed through Authorized Vender as per E- waste (Management and Handling) Rules, 2016	Project is in construction phase E Waste generated from project site will hand over to authorized vender as per the 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/refused to the maximum extent possible Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.. b) PP to give 100% treatment to sewage / Liquid waste and explore the possibility to recycle at	Project is in construction phase As per the requirement STP having capacity 350 KLD required for the treating of sewage. Treated water generated from STP shall be reused for flushing and gardening purposed at project site. Excess treated water shall be disposed at sewer line.

Sr. No.	Condition	Status
	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.	Project is in construction phase We are agreed to comply with this condition.
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.	Project is in construction phase. We will issue Occupancy certificate after ensuring availability of drinking water and connectivity of the sewer line to the project site by Local planning authority.
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.	We will provided the separate entry and exit for the project. Parking provision will be provided within the project.
VII.	PP to provide adequate electric charging points for electric vehicles (EVs)	Project is in construction phase We will provide 30% EV charging points.
VIII.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	Green Belt Development will be carried out considering CPCB Guidelines and tree NOC for the project.
IX.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Project is in construction phase Refer environment management Plan Annexure 10
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.	Project is in construction phase Refer Environment Management plan Annexure 10

Sr. No.	Condition	Status
XI.	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in.	Advertisement has published on 12.07.2022 in Loksatta and The Indian Express Copy of the newspaper advertisement is attached as **annexure 8,** for your reference.
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.	We will submit six monthly compliance report on regular basis.
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.	No suggestions from Local NGO reference to the project
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.	We are agreed to comply with this condition.

C) General EC conditions

Sr. No.	Condition	Status
I.	PP has to strictly abide by the conditions stipulated by SEAC and SEIAA	Agreed to comply
II.	If applicable Consent to Establish shall be obtained from Maharashtra Pollution control Board under Air and Water act and copy shall be submitted to the Environmental department before start of any construction work at the site.	Received consent to Establish from Maharashtra pollution control Board.
III.	Under the provisions of environmental 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.	Agreed to comply
IV.	The project proponent shall be also submit six monthly reports on the status of compliance of the Stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional office of MoEF, the respective zonal office of CPCB and the SPCB	We are submitting six monthly compliance report on regular basis
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 environmental 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.	We will submit Form V at the end of each financial year.
VI.	No further Expansion or notifications, 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 access the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Agreed to comply
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 environmental clearance does not necessarily implies the Forestry & wild	Agreed to comply

Sr. No.	Condition	Status
	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. - Noted

5. This Environmental 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. - Agreed to comply

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- Noted

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

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.- Noted

9. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1stFloor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 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 Partner
NYATI BUILDERS PVT LTD
Nyati Unitree Yerwada Pune -411006

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/243382/2021 dated 07 Dec 2021. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC22B038MH171251**
2.	**File No.**	SIA/MH/MIS/243382/2021
3.	**Project Type**	Expansion
4.	**Category**	B2
5.	**Project/Activity including Schedule No.**	8(a) Building and Construction projects
6.	**Name of Project**	Expansion in Proposed Residential and Commercial project “Nyati Exuberance” at S. No 24/2/1, 24/2/1/7., 24/2/1/2/1, 24/2/1/5, 26/1/2,26/1/3, 26/1/1, 26/1/1/4, 26/1/5, 26/1/6, 26/1/7,26/1/7, 26/1/8, 26/1/9, 26/1/10, 26/1/11, 26/1/12, 26/1/13, 26/1/14,
7.	**Name of Company/Organization**	NYATI BUILDERS PVT LTD
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: 27/03/2022

(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/243382/2021
Environment & Climate
Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s.Nyati Builders Pvt. Ltd.,
S. No 24/2/1, 24/2/1/7., 24/2/1/2/1, 24/2/1/5,
26/1/2,26/1/3, 26/1/1, 26/1/1/4, 26/1/5, 26/1/6,
26/1/7,26/1/7, 26/1/8, 26/1/9, 26/1/10, 26/1/11,
26/1/12, 26/1/13, 26/1/14, Undri,
Tal- Haveli, Dist Pune

Subject : Environmental Clearance for Expansion in Proposed Residential and Commercial Construction project "Nyati Exuberance" at S. No 24/2/1, 24/2/1/7., 24/2/1/2/1, 24/2/1/5, 26/1/2,26/1/3, 26/1/1, 26/1/1/4, 26/1/5, 26/1/6,26/1/7,26/1/7, 26/1/8, 26/1/9, 26/1/10, 26/1/11, 26/1/12, 26/1/13, 26/1/14, Undri, Tal- Haveli, Dist Pune by M/s.Nyati Builders Pvt. Ltd.

Reference : Application no. SIA/MH/MIS/243382/2021

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-3 in its 132nd meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 239th (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/243382/2021.	
2.	Name of Project	Expansion in Proposed Residential and Commercial project "Nyati Exuberance" at S. No 24/2/1, 24/2/1/7., 24/2/1/2/1, 24/2/1/5, 26/1/2,26/1/3, 26/1/1, 26/1/1/4, 26/1/5, 26/1/6, 26/1/7,26/1/7, 26/1/8, 26/1/9, 26/1/10, 26/1/11, 26/1/12, 26/1/13, 26/1/14, Undri, Taluka Haveli. Mouze Undri, Tal-Haveli, Dist Pune, Maharashtra by Nyati Builders Pvt. Ltd.	
3.	Project category	8(a) Building & construction projects	
4.	Type of Institution	Private	
5.	Project Proponent	Name	Shri. Piyush Nitin Nyati
		Regd. Office address	S. No. 103, Plot No. 129, 5th floor, Nyati Unitree, Nagar Road, Yerwada, Pune.
		Contact number	+91-20-66863333.
		e-mail	sanctioning@nyatigroup.com
6.	Consultant	Vk:e Environmental LLP, Pune.	
7.	Applied for	Expansion project.	

8.	Details of previous EC	SEIAA-EC-0000002066 date: 7th November 2019.					
9.	Location of the project	S. No 24/2/1, 24/2/1/7., 24/2/1/2/1, 24/2/1/5, 26/1/2,26/1/3, 26/1/1, 26/1/1/4, 26/1/5, 26/1/6, 26/1/7,26/1/7, 26/1/8, 26/1/9, 26/1/10, 26/1/11, 26/1/12, 26/1/13, 26/1/14, Undri, Taluka Haveli. Mouze Undri, Tal-Haveli, Dist Pune, Maharashtra					
10.	Latitude and Longitude	Latitude: 18°27'17.32" N Longitude: 73°55'21.76" E					
11.	Total Plot Area (m2)	15,950.00					
12.	Deductions (m2)	3,498.9					
13.	Net Plot area (m2)	12,451.10					
14.	Proposed FSI area (m2)	44,528.22					
15.	Proposed Non-FSI area (m2)	17,268.92					
16.	Proposed TBUA (m2)	61,797.14					
17.	TBUA (m2) approved by Planning Authority till date	Under Process					
18.	Ground coverage (m2) & %	2,274.22 sq.mt. & 18.26%,					
19.	Total Project Cost (Rs.)	Rs. 119.90 cr.					
20.	CER as per MoEF& CC circular dated 01/05/2018	Activity	Location	Cost (Rs.)	Duration		
		As CER is under adjudication. PP would like to await decision for adjudication before committing it to EC.					

21. 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>

Previous EC / Existing Building			Proposed Configuration			Reason for Modification / Change
Building Name	Configuration	Height (m)	Building Name	Configuration	Height (m)	Change in building configuration.
C1	B + S + P + 21	68.5	C1	B +St +26	79.9	
C2	B + S + P + 21	68.5	C2	B +St +26	79.9	
C3	B + S + P + 21	68.5	C3	B +St +26	79.9	
C4	B + S + P + 21	68.5	C4	B +St +26	79.9	
C5	B + S + P +21	68.5	C5	B +St +26	79.9	

	Commercial + MHADA	B+GR+MEZ Z+9 FLOORS	32.0	Building D MHADA with shops	B +St +8	27.0	
				Commercial building	GR+ MEZ.	5.45	
22.	Total number of tenements			Residential: 526 nos., MHADA: 58 nos., Shop: 18			
23	Total number of Population			Residential and MHADA: 2856 nos., Commercial: 208,Total: 3064 nos.			

24.	Water Budget	Dry Season (CMD)		Wet Season (CMD)	
		Fresh Water	262	Fresh Water	262
		Recycled for landscape	13	Recycled for Landscape	00
		Swimming Pool	1.5	Swimming Pool	00
		Flushing	133	Flushing	133
		Total	409.5	Total	395
		Wastewater generation	343	Wastewater generation	343

25.	Water Storage Capacity for Firefighting / UGT	Firefighting - Underground water tank:1 tank of 400 KLD. Firefighting - Overhead water tank: 20 KLD for each building.	
26.	Source of water	Pune Municipal Corporation.	
27.	Rainwater Harvesting (RWH)	Level of the Ground water table:	Below 8-9 m on an average.
		Size and no of RWH tank(s) and Quantity:	NA
		Quantity and size of recharge pits:	7 no of recharge pits with pit size1.8 X 1.8 X 2.5m
		Details of UGT tanks if any:	NA
28.	Sewage and Wastewater	Sewage generation in KLD	343
		STP technology:	MBBR
		Capacity of STP KLD:	STP Capacity–350

	Solid Waste Management during Constructio n Phase	Type	Quantity (kg/d)	Treatment / disposal
		Dry waste:	8 kg/day	The maximum construction waste will be used within the site for leveling purposes and base course preparation of internal approach roads.
		Wet waste:	12 kg/day	
		Construction waste	20 kg/day	
30.	Solid Waste Management during Operation Phase	Type	Quantity (kg/d)	Treatment / disposal
		Dry waste:	596	Handed over to authorize recycler for further handling & disposal purpose.

		Wet waste:	873	Wet waste will be treated in onsite organic waste converter machine.
		Hazardous waste:	NA	NA
		Biomedical waste	NA	NA
		E-Waste	4.5 kg/day	Handed over to authorized recyclers for further handling & disposal purpose.
		STP Sludge (dry)	34.4 kg/day	Will be used as manure
31.	Green Belt Development	Total RG area (m2):		1,474.98
		Existing trees on plot:		00
		Number of trees to be planted:		155
		Number of trees to be cut:		00
		Number of trees to be transplanted:		00
		Number of trees to be Proposed on site		126
		Number of trees to be planted on another site		29
32.	Power requirement:	Source of power supply:		MSEDCL
		During Construction Phase (Demand Load):		30 KW
		During Operation phase (Connected load):		3142 KVA
		During Operation phase (Demand load):		1346 KVA
		Transformer:		2 no. of 630 KVA. And 1 no of 315 KVA
		DG set:		400 KVA – 1 No. & 320 KVA – 1 No for Bldg. C1, C2, C3, C4 & C5 62.5 KVA – 1 No. – Bldg. D MHADA 20 KVA – 1 No. Commercial
		Fuel used:		HSD
33.	Details of Energy saving	Solar Water Heating Systems Will Be Done for Bathrooms. Solar lights will be provided for common amenities like Street lighting &Garden lighting. CFL & LED based lighting will be done in the common areas, landscape areas, signage"s, Entry gates and boundary compound walls etc. Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy. Water Level Controllers with Timers will be Used for Water Pumps. To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5 Lamps & LED Lights. Detail calculations & % of saving: - 15.42 %		
34.	Environmental	Type	Details	Cost (Rs.)

	Management plan budget during Construction phase	Air Environment	Erosion control – dust suppression measures, barricading and topsoil preservation	1.65
		Land	Labor Camp toilets & sanitation	4.8
		Health and Safety	Labor Safety Equipment"s and training	4
		Health facility	Disinfection and Health Check-ups	0.66
		Environment Management	Environment management cell	1.75
		Environment Management	Environmental Monitoring	3.26

35.	Environmenta l Management plan Budget during Operation phase	Component	Details	Capital (Rs.)	O&M (Rs. /Y)
		Sewage treatment	STP with MBBR Technology	41,64,000	19,04,205
		RWH	7 Recharge pits	12,60,000	37,800
		Solid Waste	OWC	19,96,288	6,01,200
		Green belt development	Development and Maintenance	11,88,692	2,61,234
		Energy saving	Solar water heating system, solar streetlights	106,40,000	3,57,000
		Environmental Monitoring	Environment Monitoring Plan		1,85,000
		Disaster Management Plan	Lightening Arrester	5,40,000	

36.	Traffic Management	Type	Required as per DCR	Actual Provided	Total parking Area(m2)
		4-Wheeler	315	459	14,875.69
		2-Wheeler	1457	1457	
37.	Details of Court cases / litigations w.r.t. the project and project location if any.	NA			

3. Proposal is an expansion of existing construction project. PP has received environment clearance vide letter dated 07.11.2019 for total built up area 56,377.72 Sq.mt. Proposal has been considered by SEIAA in its 239th (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 the certified compliance report from Regional office MoEF & CC.
2. PP to submit the revised fire NoC
3. PP to submit the revised indemnity bond stating "indemnify to SEIAA & SEAC for legal consequences arise on account of dispute"
4. PP to provide minimum 30% of total parking arrangement with electric charging facility by providing charging points at suitable places.
5. 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 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.
2. PP to achieve at least 5% of total energy requirement from solar/other renewable sources.
3. 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.
4. SEIAA after deliberation decided to grant EC for – FSI- 44,528.22 m2, Non-FSI-17,268.92 m2, Total BUA-61,797.14 m2. (Plan approval-CC/3237/21 date 13th January 2022).

General Conditions:

a) Construction Phase :-

I. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.

II. Disposal of muck, Construction spoils, including bituminous material during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in the approved sites with the approval of competent authority.

III. Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.

IV. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.

V. Arrangement shall be made that waste water and storm water do not get mixed.
VI. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.
VII. The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
VIII. Permission to draw ground water for construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
IX. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
X. The Energy Conservation Building code shall be strictly adhered to.
XI. All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
XII. Additional soil for levelling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
XIII. Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
XIV. PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.
XV. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
XVI. PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.
XVII. Vehicles hired for transportation of Raw material shall strictly comply the emission norms prescribed by Ministry of Road Transport & Highways Department. The vehicle shall be adequately covered to avoid spillage/leakages.
XVIII. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.
XIX. Diesel power generating sets proposed as source of backup power for elevators and common area illumination during construction phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel is preferred. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
XX. Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings by a separate environment cell /designated person.

B) Operation phase:-

I. a) The solid waste generated should be properly collected and segregated. b) Wet waste should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. c) Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.

II. E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.

III. a) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP. b) PP to give100 % treatment to sewage /Liquid waste and explore the possibility to recycle at least 50 % of water, Local authority should ensure this.

IV. Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement.

V. The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.

VI. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.

VII. PP to provide adequate electric charging points for electric vehicles (EVs).

VIII. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.

IX. A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

X. Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes.

XI. The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://parivesh.nic.in

XII. Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to

the MPCB & this department, on 1st June & 1st December of each calendar year.

XIII. A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.

XIV. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, NOx (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

C) General EC Conditions:-

I. PP has to strictly abide by the conditions stipulated by SEAC& SEIAA.

II. If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.

III. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.

IV. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

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

VI. No further Expansion or modifications, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted to SEIAA for clearance, a fresh reference shall be made to the SEIAA as applicable to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

VII. This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give

immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

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

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

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

8. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

9. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 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.

Mumbai
24/3/2022.

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: 3/27/2022 6:27:30 AM

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: http://mpcb.gov.in
Email: cac-cell@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/CC/UAN No.0000136099/CE/2212000895

Date: 13/12/2022

To,
M/s. Nyati Builders Pvt. Ltd.,
RESIDENTIAL & COMMERCIAL PROJECT, 24 (part), 26(part),
Undri, Tal Haveli, Dist Pune

Your Service is Our Duty

Sub: Consent to Establish for expansion in Residential & Commercial construction project under Red Category

Ref:
1. Consent to establish granted vide No Format1.0/BO/JD(WPC)/UAN No-066717/CE/CC-1909000436 dtd 16.09.2019
2. Minutes of 12th Consent Committee Meeting of 2022-23 held on 01.08.2022

Your application NO. MPCB-CONSENT-0000136099

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 5 Yrs whichever is earlier**
2. **The capital investment of the project is Rs.149.0571 Cr. (As per C.A Certificate submitted by industry).**
3. **The Consent to Establish is valid for expansion in residential and commercial construction project named as M/s. Nyati Builders Pvt. Ltd., RESIDENTIAL & COMMERCIAL PROJECT, 24 (part), 26(part), Undri, Tal Haveli, Dist Pune on Total Plot Area of 15,950.00 SqMtrs for proposed total construction BUA of 61,797.14 SqMtrs as per EC granted dated 27.03.2022 including utilities and services**

Sr.No	Permission Obtained	Plot Area (SqMtr)	BUA (SqMtr)
1	Consent to Establish dtd 16.09.2019	15950.00	56379.78
2	Environmental Clearance dtd 07.11.2019	15950.00	56377.72
3	Consent to Establish dtd 27.03.2022	15950.00	61797.14

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	343	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-400 kVA	01	As per Schedule -II
S-2	DG Set-320 kVA	01	As per Schedule -II
S-3	DG Set-62.5 kVA	01	As per Schedule -II
S-4	DG Set-20 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	873 Kg/Day	Organic waste Converter with composting facility / Biogas digester with composting facility	As Manure
2	Dry waste	596 Kg/Day	Segregation	To Local Body
3	STP Sludge	34.4 Kg/Day	Dewatering	As Manure

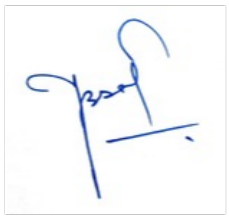
7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No.	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	200	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/243382/2021 dtd 27.03.2022 for expansion in residential and commercial construction project on total plot area of Sq. Mtrs and proposed total construction BUA of 61797.14 SqM
16. This consent is issued with overriding effect on earlier consent to establish granted vide No Format1.0/BO/JD(WPC)/UAN No-066717/CE/CC-1909000436 dtd 16.09.2019.
17. PP shall submit an affidavit in Boards prescribed format within 15 days regarding compliance of C to E & Environmental Clearance.

. This consent is issued as per communication letter dated 03/11/2022 which is approved by competent authority of the board.



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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
2022-12-13 18:09:22 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	298114.00	TXN2204001112	26/05/2022	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 350 CMD with MBBR technology for the treatment of 343 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	410.00
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-400 kVA	Acoustic Enclosure	4.50	Diesel 65.5 Ltr/Hr	1	NA	31.44 Kg/Day
S-2	DG Set 320 kVA	Acoustic Enclosure	4.00	Diesel 61.2 Ltr/Hr	1	NA	29.3 Kg/Day
S-3	DG Set-62.5 kVA	Acoustic Enclosure	3.00	Diesel 10.5 Ltr/Hr	1	NA	5.04 Kg/Day
S-4	DG Set 20 kVA	Acoustic Enclosure	3.00	Diesel 4.5 Ltr/Hr	1	NA	2.16 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	C to E	Rs 10 Lakhs	15 Days	Compliance of Consent conditions and EC conditions	upto Commissioning of the Project	upto 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.

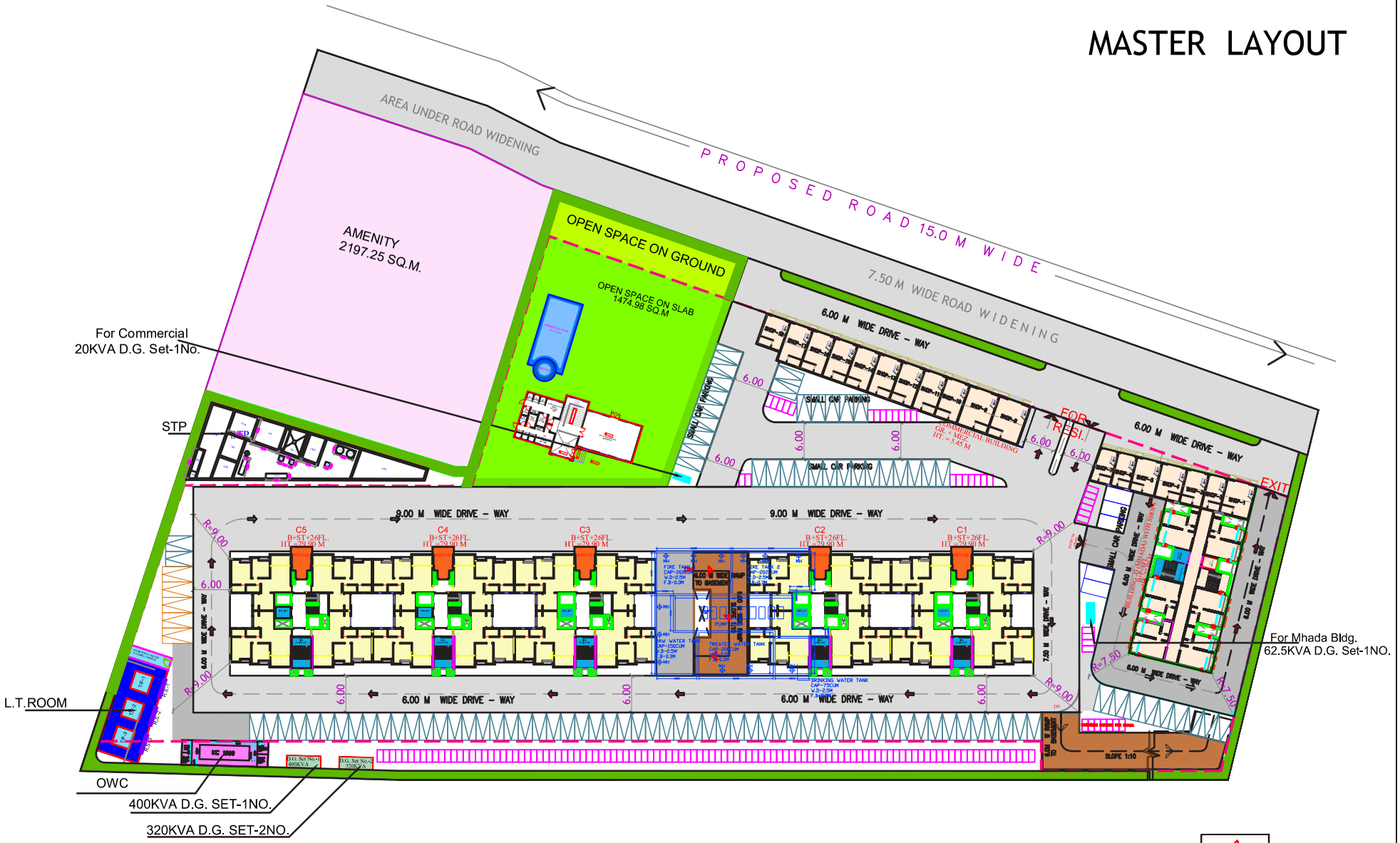
Environment Clearance Status

	Status	EC status
C1	Basement+ stilt +25 floors completed	Received Environment clearance For Amendment of Environment clearance.
C2	Basement+ stilt +19 floors completed	
C3	Basement +Stilt floor+ 3 floors	
C4	Basement +Stilt floor+3 floors	
C5	Basement +Stilt floor`	
Mhada	Basement +stilt+7floors	
Application Status	Proposal Number SIA/MH/MIS/243382/2021	
	EC granted, EC letter Received	

Project Status

1	Built up area as Per EC	61797.14 Sqm	
2	Completed Built up area	C1	Basement+ stilt +25 floors completed
		C2	Basement+ stilt +19 floors completed
		C3	Basement +Stilt floor+ 3 floors
		C4	Basement +Stilt floor+3 floors
		C5	Basement +Stilt floor
		Mhada	Basement +stilt+7floors

MASTER LAYOUT

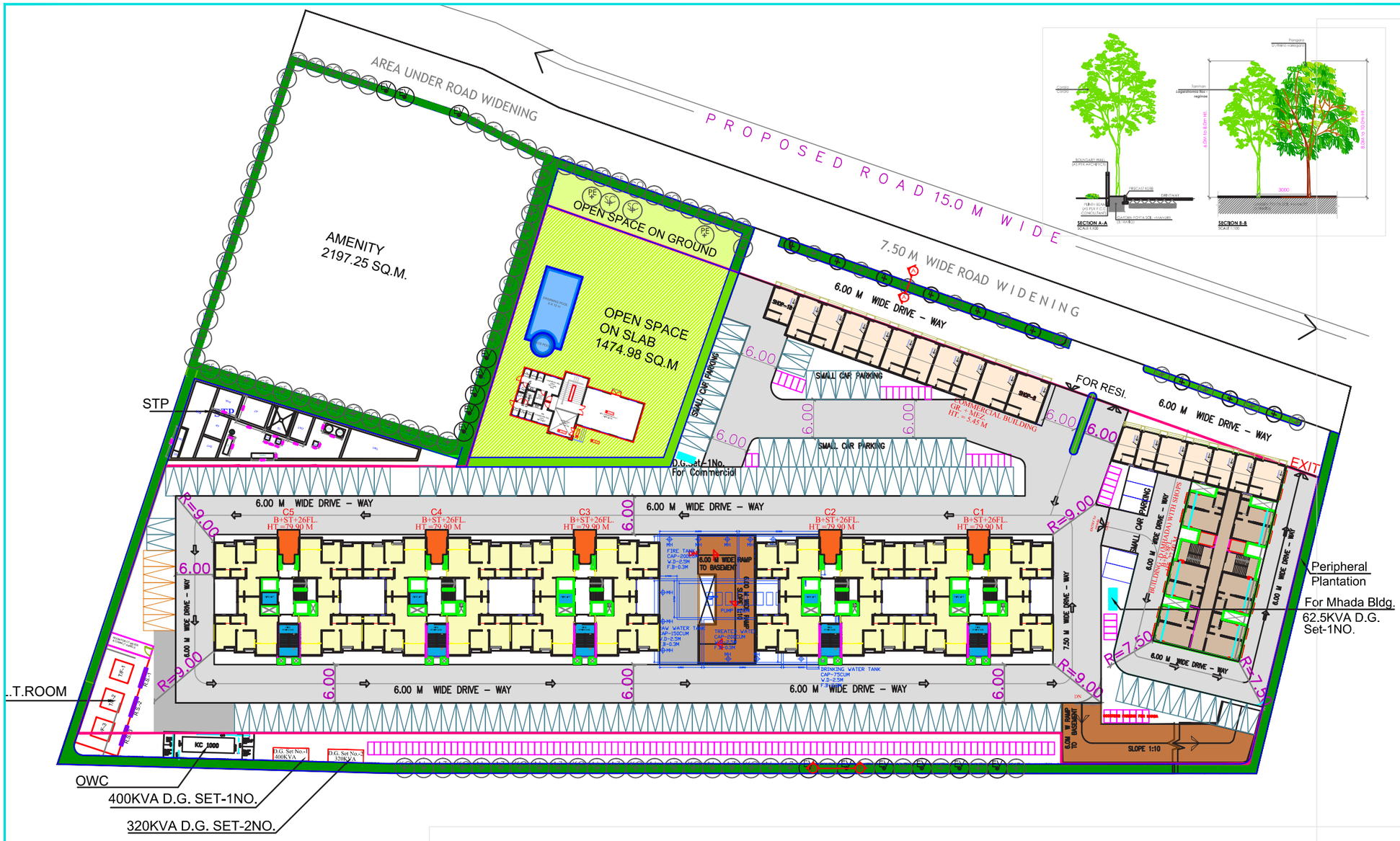


PROPOSED RESIDENTIAL BUILDING LAYOUT,
ON S.NO.24/2/1,24/2/1/7,24/2/1/2/1,24/2/1/5,
S.NO.26/1/2,26/1/3,26/1/1,26/1/1/4,26/1/5,26/1/6,26/1/7,26/1/8,
S.NO.26/1/9,26/1/10,26/1/11,26/1/12,26/1/13,26/1/14 UNDRI, PUNE

NORTH

SHIRISH DASNURKAR & ASSOCIATES
architects & designer
35, LAXMIPARK COLONY, NAVI PETH, PUNE--411030.
PH: 020-24530481/82/83 E-MAIL:shirishdasnurkar@gmail.com

SCALE	JOB NO.	DRAWN BY	DEALT BY	COMPUTER FILE
	1022	SMTA	08/08/21	



NET PLOT AREA = 12,451.10 sq.m.
TREE DENSITY = 80 sq.m./1 TREE
REQUIRED R.G AREA (ON PODIUM) = 1464.84 sq.m.
PROPOSED R.G AREA (ON PODIUM)= 1474.98 sq.m.
NUMBER OF TREES REQUIRED = 155
NUMBER OF TREES EXISTING = 0
TOTAL TREES TO BE PROPOSED =126
TOTAL TREES TO BE PLANTED ON ANOTHER SITE =29

OPEN SPACE GREEN CALCULATIONS - 1474.98 Sq.m			
OPEN SPACE	SYMBOL	ON PODIUM	ON GROUND
SHRUB BED		93.87sq.m	132.50 sq.m
LAWN		822.34sq.m	180.27 sq.m
CLUB HOUSE + SWIMMING POOL		146.0sq.m + 100.0 sq.m	——

ADDITIONAL GREEN CALCULATIONS-ON GROUND		
	SYMBOL	
SHRUB BED		618.13 sq.m
ADDITIONAL GREEN CALCULATIONS-ON PODIUM		
SHRUB BED		20.35 sq.m

LIST OF PROPOSED TREES

SR.	SYMBOL	BOTANICAL NAME	COMMON NAME	CHARACTERISTICS	HEIGHT	QTY
01.	AZ	*Azadirachta indica*	Neem	Medicinal properties, quick growing, good air purifier	8-10m	13
02.	AL	*Albezzia lebbeck*	Shirish	Quick growing,hardy, good soil binder, drought tolerant	8-10m	12
03.	KG	*Khaya grandis*	Khaya	Fruit bearing tree, shady,deciduous	8-10m	7
04.	EV	*Erythrina variegata*	Pangara	Quick growing ,flowering tree, a nitrogen fixing tree	8-10m	14
05.	CF	*Cassia fistula*	Bahawa	Medium size deciduous tree Grows in less soil or murum. Full of yellow flowers during summer season.	6-7m	21
06.	CO	Cordia	Cordia	Fragrant flowers	6-8m	31
07.	LF	*Lagerstromia flos - reginae*	Tamhan	Medium size,flowering, grows in dry /arid climate.	6-8m	15
08.	FP	*Fishtail palm*	Fishtail palm	Palm	3-3.6m	9
09.	MC	*Mutingia calabura*	Singapore Cherry	Fast growing , Medium size, evergreen fruits bearing, attracts birds	8-10m	2
10.	PE	*Psidium gujava*	Peru	Fruit bearing tree, attracts birds.	5-7m	2
					TOTAL	126

LIST OF PROPOSED TREES ON ANOTHER SITE

SR.	SYMBOL	BOTANICAL NAME	COMMON NAME	CHARACTERISTICS	HEIGHT	QTY
01.	AZ	*Azadirachta indica*	Neem	Medicinal properties, quick growing, good air purifier	8-10m	04
02.	AL	*Albezzia lebbeck*	Shirish	Quick growing,hardy, good soil binder, drought tolerant	8-10m	03
03.	KG	*Khaya grandis*	Khaya	Fruit bearing tree, shady,deciduous	8-10m	03
04.	EV	*Erythrina variegata*	Pangara	Quick growing ,flowering tree, a nitrogen fixing tree	8-10m	03
05.	CF	*Cassia fistula*	Bahawa	Medium size deciduous tree Grows in less soil or murum. Full of yellow flowers during summer season.	6-7m	03
06.	CO	Cordia	Cordia	Fragrant flowers	6-8m	03
07.	LF	*Lagerstromia flos - reginae*	Tamhan	Medium size,flowering, grows in dry /arid climate.	6-8m	03
08.	FP	*Fishtail palm*	Fishtail palm	Palm	3-3.6m	03
09.	MC	*Mutingia calabura*	Singapore Cherry	Fast growing , Medium size, evergreen fruits bearing, attracts birds	8-10m	02
10.	PE	*Psidium gujava*	Peru	Fruit bearing tree, attracts birds.	5-7m	02
					TOTAL	29

PROPOSED LIST OF SHRUBS:-(ON PODIUM)

SR.NO.	BOTANICAL NAME	COMMON NAME	HEIGHT	C/Cm	QTY (NOS.)	AREA (sq.m)
01	Thevetia nerifolia	Sagargota	2.0m	0.9m	137	34.26
02	Stachytarpheta	Stachytarpheta	0.50m	0.45m	102	11.43
03	Plumbago zeylanica	White plumbago	1.0m	0.45m	102	11.43
04	Acorus calamus	Wekhand	0.60m	0.30m	85	5.71
05	Aloe vera	Korphad	0.75m	0.30m	85	5.71
06	Ocimum sanctum	Tulas	0.60m	0.30m	85	5.71
07	Nerium oleander	Kanher	1.2m	0.75m	91	22.84
08	Hibiscus rosa sinensis	Jaswanda	1.2m	0.60m	85	17.13

PROPOSED LIST OF SHRUBS:-(ON GROUND)

SR.NO.	BOTANICAL NAME	COMMON NAME	HEIGHT	C/Cm	QTY (NOS.)	AREA (sq.m)
01	Thevetia nerifolia	Sagargota	2.0m	0.9m	900	225.19
02	Stachytarpheta	Stachytarpheta	0.50m	0.45m	675	75.06
03	Plumbago zeylanica	White plumbago	1.0m	0.45m	675	75.06
04	Acorus calamus	Wekhand	0.60m	0.30m	562	37.53
05	Aloe vera	Korphad	0.75m	0.30m	562	37.53
06	Ocimum sanctum	Tulas	0.60m	0.30m	562	37.53
07	Nerium oleander	Kanher	1.2m	0.75m	600	150.14
08	Hibiscus rosa sinensis	Jaswanda	1.2m	0.60m	562	112.59

WATER REQUIREMENT FOR SHRUB BED AND LAWN
= 6 Lit/ sq.m./ day
SOFTSCAPE AREA = 1867.46 Sq.m.
WATER REQUIREMENT = 6 X 1867.46 = 11,204 Lit/day
WATER REQUIREMENT FOR TREE
= 9 Lit/ tree/day
NO. OF TREES = 155
WATER REQUIREMENT = 9 X 155 = 1395 Lit/day

CAPITAL COST = 11,88,692/-
IN WORDS = ELEVEN LACS, EIGHTY-EIGHT THOUSAND, SIX HUNDRED AND NINETY-TWO ONLY.

MAINTENANCE COST = 2,61,234/-
IN WORDS = TWO LACS, SIXTY-ONE THOUSAND,TWO HUNDRED AND THIRTY-FOUR ONLY.

PROJECT :

LANDSCAPE FOR NYATI EXEBURANCE UNDRI ,DIST.-PUNE

STAMP AND SIGN:
ADVANCE COPY

ABBREVIATIONS

S.B	SHRUB BED
R.P	RAISED PLANTER
T.W	TOP OF WALL
T/WALL	TOP OF WALL
T.P	TOP OF PLANTER
W.L	WATER LEVEL
B.L	BOTTOM LEVEL
P.B.	PEBBLE BED

ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS IN METERS SPECIFIED OTHERWISE.
DRAWING NOT TO BE SCALED. WRITTEN DIMENSIONS TO BE FOLLOWED ONLY.
DIMENSIONS SHOULD BE CHECKED AND VERIFIED ON SITE BEFORE EXECUTION OF WORK. ANY AMBIGUITY SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE LANDSCAPE ARCHITECT BEFORE COMMENCEMENT OF THE WORK.
ALL DIMENSIONS ARE UNLESS SPECIFIED OTHERWISE.
SIZES OF ALL THE STRUCTURAL MEMBERS TO BE CONFIRMED BY THE STRUCTURAL CONSULTANT.
READ THIS DRAWING IN CONJUNCTION WITH TOTAL LAYOUT.

DATE: 12.11.2021
DRG. NO.: LW/NEX/EC/R2
SCALE: 1:250
DRAWN BY: SHWETA
CHECKED BY: VNB

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ARCHITECTS:
SHIRISH DASHKAR & ASSOCIATES
ARCHITECTS & DESIGNERS

LANDSCAPE CONSULTANTS
VIKAS & NILIMA BHOSEKAR.
LANDSCAPE ARCHITECTS,
FLAT NO. 102, SHREENIWAS VILLA, "C" WING,
PLOT NO.13, CTSNO.136, NEAR CDSS,
ERANDAWANA, PUNE - 411004
PH-(020) 25450700 , FAX-020-25450702
EMAIL-vikasbhosekar@yahoo.co.in

कार्यकारी अभियंता कार्यालय
मलनिःसारण देखभाल व दुरुस्ती
पुणे महानगरपालिका
जावक क्र.:- १७६५
दिनांक :- ११/१०/२०२१

यांजकडेस...

हवेली,जि.पुणे येथील स.न.२४/२/१, २४/२/१/७, २४/२/१/२/१, २६/१/२, २६/१/३, २६/१/१, २६/१/१/४, २६/१/५, २६/१/६, ६/१/७, २६/१/८, २६/१/९, २६/१/१०, २६/१/११, २६/१/१२, २६/१/१४ या मिळकती मधील नियोजित बांधकामासाठी इनव्हायरमेंटल ड्रेनेज विभागाकडून प्रोव्हीजनल दाखला मिळणेबाबत.
.क्र.२७१ दि. ३/०४/२०२१

ामाचे नकाशे व अर्ज दाखल केल्यावरुन कळविण्यात येते की, आपण **मौजे स.न.२४/२/१, २४/२/१/७, २४/२/१/२/१, २४/२/१/५, २६/१/२, /१/४, २६/१/५, २६/१/६, २६/१/७, २६/१/७, २६/१/८, २६/१/९, /१/१२, २६/१/१३, २६/१/१४** या मिळकतीसाठी ड्रेनेज डेव्हलपमेंट चार्जेस विणेत येतील त्याप्रमाणे भरणेचे मान्य केले आहे. तसेच सदर प्रस्तावात खालील

१	मिळकताच क्षत्रफळ	- १५९५०.०० चौ.मी.
२	बिलटप ऐरिया (एफ.एस्.आय + नॉन एफ.एस्.आय)	- ४४५२८.२२ चौ.मी. + १७२६८.९२ चौ.मी. = ६१७९७.१४ चौ.मी.
३	इमारतीची संख्या आणि उंची	- इमारती- ६ C1,C2,C3,C4,C5- ७९.९० मी. D - २७.०० मी.
४	निवासी सदनिका संख्या	- ५८४
५	ऑफिस संख्या	- १८
६	मान्य नकाशा प्रत	- नाही.
७	जा.क्र.CC/ / दि.	- नाही.
८	आवश्यक पाणी पुरवठा	- २६२.०० KLD
९	तयार होणारे मैलापाणी	- ३४३.०० KLD
१०	सिवरेज टिंटमेंट प्लॅटची आवश्यक क्षमता	- ३५०.००KLD
११	सिवरेज टिंटमेंट प्लॅटची प्रस्तावित क्षमता	- ३५०.०० 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	- नियोजित नकाशात दर्शविला आहे
१४	पाण्याचा पुर्णवापर करण्याच्या उपाययोजना	- गार्डन, फ्लशिंग व इत्यादी
१५	जागेवर एस.टी.पी. च्या अनुषंगाने सुरक्षेच्या दृष्टीने	- केलेली आहे सदरचा पर्यावरण दाखला मिळणेबसाठी

	केलेल्या उपाय योजना		ना हरकत पत्र आवश्यक आहे.
१६	विकसनकर्ता यांचे हमीपत्र	र.रु.५००/- स्टॅम्प पेपरवर	नाही.

वरील प्रमाणे संदर्भ क्र.१ अन्वये प्रस्ताव दाखल केलेला आहे. त्या अनुंषगाने मलनिःसारण विभागामार्फत खालील अटीस अधिन राहून नियोजित बांधकामासाठी ड्रेनेज विभागाचा अंतरिम पर्यावरण ना हरकत दाखला देण्यात येत आहे.

१) सदर इमारतीचे बेसमेंटचे कनेक्शन म.न.पा मलनिःसारण नलिकेस जोडू नये.
२) पावसाळयातील पाण्याची बोअरवेल घेऊन पाणी जिरवण्याची व्यवस्था स्वतंत्रपणे करणेत यावी.
३) सदर प्रकल्पासाठी (३५०.०० KLD)घमी प्रतिदिन क्षमतेचा मैलाशुध्दीकरण केंद्र बांधण्यात यावे.
४) मैलाशुध्दीकरण प्रकल्पातील प्रक्रिया केलेले पाणी Gardening Flushing साठी वापरण्यात यावे. सदर पाण्याचा वापर पिण्यासाठी करु नये तसेच प्रक्रियायुक्त पाण्याचा पुर्नवापर करुन उर्वरित पाणी (over flows) म.न.पा च्या परवानगीशिवाय जोडण्यात येऊ नये,अथवा नाले/पावसाळी लाईन यामध्ये सोडण्यात येऊ नये.
५) प्रस्तुत प्रकल्पासाठी वरील संदर्भात नमूद केलेल्या ईसी व महाराष्ट्र पोल्यूशन कंट्रोल बोर्ड यांचेकडील कन्सेंट टू ऑपरेट लेटर इ. प्राप्त करण्याची जबाबदारी व सदर मधील क्षमतासह इतर सर्व अटी बंधनकारक राहतील.
६) पुणे महानगरपालिका आरोग्य उप विधी मधील तरतुदी बंधनकारक राहतील.
७) मंजुर नकाशामध्ये बदल झाल्यास नव्याने प्रस्ताव दाखल करून मंजूर करून घेणे बंधनकारक राहिल

विशेष अट :- १) प्रक्रिया केलेले सांडपाण्याचा पुर्न वापर इमारतीच्या अंतर्गत टॉयलेट फ्लशिंग गार्डनिंग इ. करावा.

विषयांकित मिळकतीमधील अस्तित्वातील मलवाहिनी जोडाकरीता भविष्यात प्रस्ताव दाखल केल्यानंतर त्या परिसरातील अस्तित्वातील म.न.पा च्या मलवाहिनीस जोडणेस स्वतंत्रपणे मंजूरी घेणे आवश्यक आहे.

तरी सदरचे नाहरकत प्रमाणपत्र पर्यावरण दाखल्यासाठी देणेत येत आहे.

कनिष्ठ अभियंता
मलनिःसारण देखभाल व दुरुस्ती
पुणे महानगरपालिका

उप अभियंता
मलनिःसारण देखभाल व दुरुस्ती
पुणे महानगरपालिका

प्र. कार्यकारी अभियंता
मलनिःसारण देखभाल व दुरुस्ती
पुणे महानगरपालिका

स्वारगेट पाणी पुरवठा विभाग
पुणे महानगरपालिका,पुणे
जावक क्र. 3309
दिनांक :- 08/10/2021

प्रती,

मे. न्याती बिल्डर्स प्रा. लि. तर्फे पियुष नितिन न्याती
५ वा मजला, न्याती युनिट्री बिल्डींग,
येरवडा पुणे-६

विषय - मौजे स.नं. २४/२/१, २४/२/१/७, २४/२/१/२/१, २४/२/१/५ सनं.२६/१/२, २६/१/३, २६/१/१, २६/१/१/४, २६/१/५, २६/१/६, २६/१/७, २६/१/८, सनं. २६/१/९, २६/१/१०, २६/१/११, २६/१/१२, २६/१/१३ २६/१/१४ उंड्री पुणे येथील प्रकल्पासाठी पर्यावरण ना-हरकत प्रमाणपत्रासाठी पाणीपुरवठा विभागाचे अभिप्राय बाबत.

संदर्भ :- १) न्याती बिल्डर्स प्रालि. तर्फे पियुष नितिन न्याती यांनी
दाखल केलला प्रस्ताव आ. क्र. १६३ दि. ३०/०४/२०२१.

संदर्भांकित प्रकल्पास पर्यावरण ना हरकत प्रमाणपत्र मिळणेसाठी पाणीपुरवठा विभागाचे ना हरकत दाखल्याची मागणी आपण केली आहे. विषयांकित मिळकतीची जागा व प्रस्तावाची स्क्रुटीनी केली असता एकुण प्लॉट चे क्षेत्र १५९५० चौ.मी. व प्रतिदिन अंदाजे २६२ के.एल.डी. प्रतिदिन पाण्याची मागणी आहे. त्या अनुषंगाने खालील १ ते १५ अटींचे अधीन राहुन पाणीपुरवठा विभागाचे ना हरकत दाखला देण्यात आहे.

१) विषयांकित मिळकतीवरील प्रकल्पास भोगवटा पत्र प्राप्त झाल्यानंतर भोगवटा असणाऱ्या गाळ्यांचे प्रमाणात पाणीपुरवठा करणेकरीता नळजोड प्रस्ताव सादर करणार.

२) विकसक स्वखर्चाने मनपाचे सुचनेनुसार जलवाहिनी विकसीत करणार.

३) एस. टी. पी. बाबत स्वतंत्र माहिती खात्यास सादर करणार व त्याव्दारे पुर्नवापर होणाऱ्या पाण्याबाबतचा सविस्तर तपशिल देणार .

४) जागेवर बांधकाम चालू करणेपुर्वी मिळकतीमधील मनपाच्या नळजोडावरील थकबाकी भरुन सदर नळजोड बंद करणार

५) इमारतीचे पिण्याचे पाणी, वापराचे पाणी व फ्लशिंगचे पाणी व निवासी, बिगर निवासी इत्यादी कारणासाठी स्वतंत्र पाण्याच्या टाक्यांची व्यवस्था करणार.

६) इमारती अंतर्गत पाणी वितरणासाठी प्रत्येक सदनिकेकरीता स्वतंत्र व एकच नळजोड देण्यात येवून त्यावर प्रत्येक सदनिकेसाठी स्वतंत्र मीटर बसविण्यात यावा. त्याचे सोसायटी अंतर्गत बिलिंगसाठी योग्य ती प्रणाली तयार करुन संबंधित सोसायटी, प्रत्येक सदनिकेकरीता देणार.

७) सदर प्रकल्पाकरीता पाण्याचे उपलब्धतेनुसार होणारा पाणीपुरवठा वगळता जादा पाण्याची व्यवस्था विकसक स्वत: करणार

८) अंतर्गत वापरण्यात येणाऱ्या फिटींग्ज् डिसार्ज ५ लिटर प्रती मिनटापेक्षा कमी ठेवणार

९) सर्व कामे सक्षम कन्सलटंट यांचेकडून डिझाईन करुन त्यांचे सुपरव्हिजन अंतर्गत पुर्ण करणार

१०) निवासी व हॉस्पीटल, शैक्षणीक व इतर इमारतीच्या पाणी वापरासाठी स्वतंत्र पाण्याची टाकी बांधणार.

११) तत्कालीन पाण्याच्या परीस्थितीनुसार मनपाकडील नियमानुसार व धोरणानुसार यापुढील कार्यवाही तत्कालीन वेळी निश्चित करण्यात येईल.

१२)प्रस्तुत मिळकतीचा लेआऊट म.न.पा. सँक्शन झाल्यानंतर सी.सी.ची. एक प्रत व लेआऊटची एक प्रत खात्यास सादर करावी लागेल. मीटर विभागाचा ना हरकत दाखला मागणेपूर्वी वॉटर लाईन डेव्हलपमेंट शुल्क म.न.पा. कोषागारात भरणार किंवा वॉटर लाईन डेव्हलपमेंट करून देणार.

१३)बांधकाम विभागाकडील नियोजीत मान्य होणाऱ्या लेआऊटच्या नकाशानुसार नविन नळजोड मागणे पुर्वी करून जलसंर्वधना करीता नियोजीत इमारीतीमध्ये पर्जन्य जलाचे पुर्न:भरण यंत्रणा बसविणार.

१४) मिळकतीस भोगावटा पत्र प्राप्त झाल्यानंतर व तसा प्रस्ताव खात्याकडे प्राप्त झाल्यानंतर भोगावटा पत्राच्या प्रकल्पाच्या प्रमाणात त्या वेळेच्या प्राप्त धोरणानुसार पाणीपुरवठा उपलब्ध केला जाईल.

१५) सदर प्रकरणी पाणीपुरवठा सुरु न झाल्यास किंवा अपुऱ्या पाणीपुरवठ्याबाबत विकसक यांनी खात्याकडे सादर केलेल्या दि- ११/०५/२०२१ च्या नोटराईज हमीपत्रास श्री. न्याती बिल्डर्स प्रालि. तर्फे पियुष नितिन न्याती संबंधित विकसक यांचेवर बंधनकारक राहील.

राहील.

कळावे.

अमोल पुंडे
कनिष्ठ अभियंता
स्वारगेट पाणीपुरवठा विभाग
पुणे महानगरपालिका

प्रशांत कुंभार
उप अभियंता
स्वारगेट पाणीपुरवठा विभाग
पुणे महानगरपालिका

अशित जाधव
कार्यकारी अभियंता क्र.१
स्वारगेट पाणीपुरवठा विभाग
पुणे महानगरपालिका

SATISH MARATHE
CONSULTING ENGINEERS

Ghagare Residency, 105A / 30, Income Tax Lane, Pune - 411 004. Tel.: 2544 1396, 2544 0276, 2544 0287, 2544 5477
Email : smce.civil@gmail.com Web : satishmarathe.com

TO WHOMSOEVER IT MAY CONCERN

Subject: Proposed Residential / Commercial development Project " Nyati Exuberance " atMouze-UndriTaluaka- Haveli, Pune, for M/s. Nyati Builders Pvt.Ltd.

This is to certify that the buildings in captioned project have been designed by us for

Serial No.	Building Name & Number	Number of Floors
1	Building C1	B+St+26
2	Building C2	B+St+26
3	Building C3	B+St+26
4	Building C4	B+St+26
5	Building C5	B+St+26
6	Building D MHADA	P+8
7	Building D Commercial	GR+MEZ.

I further certify that our designs have been based on following Indian Standard Codes of Practice and shall render the buildings safe and stable.

IS – 456-2000-Code of Practice for Plain & Reinforced Concrete Structure.
IS – 875-Part III-2015- Code of Practice for Design Loads.
IS- 1893 – 2016- Criteria for Earthquake Resistant Design of Structure.

SATISH MARATHE ★ CONSULTING ENGINEERS ★

Office of the Chief Fire Officer
Pune Municipal Corporation
Out W.No : FB/ 4165
Date : 31/1/22

(UNE / 0051 / 18)

To,
Shirish Dasnurkar Architects,
Navi Peth, Pune.

Sub:- Revised Provisional Fire NOC for proposed buildings at S.NO. 24/2/1, 24/2/1/7, 24/2/1/2/1, 24/2/1/5, S.No. 26/1/2, 26/1/3, 26/1/1, 26/1/1/4, 26/1/5, 26/1/6, 26/1/7, 26/1/8, S.No. 26/1/9, 26/1/10, 26/1/11, 26/1/12, 26/1/13, 26/114, Undri, Pune.
(For Buildings C1 to C5 , D Building (Mhada with shops) & Commercial Building Only)

Ref :- Your Office letter Dt. 21.01.2022.

Sir,

As per your request, visited the proposed site along with your representative Mr. K.T. Shelke on Dt.25.01.2022 and discussed with him regarding the fire protection system to be installed in the proposed building.

1. Construction of the building is in progress..
2. Motorable road is available for proposed site.
3. Two staircases will be provided to each building as per plans submitted to this office.
4. Three lifts will be provided for buildings C1 to C5 and two for building D as per plans submitted to this office and one of them should be a stretcher lift to each building as per NBC 2016.
5. Proposed buildings C1 to C5 will be used for residential and D will be used for mix (shop on ground floor, residential on 1st to 8th floor & One building will be used for Commercial purpose only.
6. Parking will be provided buildings C1 to C5 & D at basement & stilt floor as per plans submitted to this office.
7. Height of the proposed buildings C1 to C5 will be 79.90 Mtrs., D will be 27.00 Mtrs. & One Commercial building will be 5.45 Mtrs., as per plans submitted to this office.
8. Fire premium charges is paid by challan No.1) CE/BP/0395/19, Dt.09.04.2019, Rs. 21,15,350/-
   2) 05941,Dt.28/01/2022, Rs. 83,09,850/-
9. Fire infrastructure charges are paid by challan no. CE/BP/0395/19, Dt.09.04.2019, Rs.1,48,40,060/-
10. Fire service fees and Annual fees is paid by challan No. 1) CE/BP/0395/19, Dt.09.04.2019, Rs. 4,09,050/-
    2) 05942,Dt.28/01/2022, Rs. 17,86,750/-
11. The plot area is 15950.00 Sq. Mtrs. -built-up area will be 47645.86 Sq. Mtrs. as per plans submitted to this office.
12. 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 / UDCPR -2020 & National Building Code of India 2016.

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

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

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 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.
4 The internal roads shall be able to with stand the load of minimum 45 Tons.

5 All fire fighting equipments to be installed as per NBC – 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 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.
19 The inspection panel doors and any other opening in the shaft shall be provided with airtight fire doors having the fire resistance of not less than two hours.
20 Non- Smoking cables should be used for all installations.
21. Dedicated fire duct to be provided with minimum clear size of 700 mm x 1200 mm

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 and where needed improving the technical basis for determining appropriate construction classifications and fire rating requirements-especially for tall buildings- and making related changes by considering a variety of factors (including timely access by emergency responders, full evacuation of occupants and redundancy in fire protection systems critical to structural safety);
- Adoption of standard for fire resistance testing of building components assemblies and systems – including establishing a capability for doing the improved testing under realistic fire and load conditions and
- Implementing criteria, test methods and standards for measuring the in service performance and as-installed conditions of " fireproofing"

3. **New Methods for Fire Resistance Design of Structures:**
The procedures and practices used in the design of structures for fire resistance should be enhanced by requiring an objective that uncontrolled fires result in burnout without partial or global (total) collapse Performance- based methods are an alternative to prescriptive design methods. This should include.

(1) Use of new fire resistive coating materials and technologies for limiting the spread 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 and implementing codes and protocols for ensuring effective and uninterrupted operation of the command and control systems in large-scale building emergencies.

Improved Procedures and Practices:

The procedures and practices used in the design, construction, maintenance and operation of building should be improved to include encouraging code compliance by nongovernmental and quasi-governmental entities, adoption and application of egress and sprinkler requirements in coded for existing buildings and retention and availability of building documents over the life of a building.

7. **Education And Training :**

The professional skills of building and safety professionals should be upgraded through and education and training efforts for fire protection engineers structural engineers and architects. The skills of building regulatory and fire service personnel also should be upgraded to provide sufficient understanding of what is needed to conduct the review, inspection and approval tasks for which they are responsible.

Along with strongly urging that immediate and serious consideration be given to these recommendations for the building safety and fire safety point of view.

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

(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 **45 tones** of fire appliances.

(5) The basement and upper floors should be separated with proper fire resistance wall and doors of 4 hours fire rating. The staircase provided in high rise residential tower should be pressurized and provided with self closing fire doors of 2 hours fire resistance.

(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 with water of 2000 Ltr. Capacity, with two fire buckets on each floor

c) A water storage tank of minimum 20,000 Ltrs. Capacity, which may be used for other construction purpose also.

(16) The use of combustible surface finishes on walls (including façade of the building) and ceiling affects the safety of the occupants of the building. Such finishes tend to spread the fire and even though the structural elements may be adequately fire resistant, serious danger to life may result. It is therefore, essential to have adequate precautions to minimize spread of flame on wall facade of building and ceiling surfaces.

(17) The finishing materials used for various purpose and décor shall be such that it shall not generate toxic fumes / smokes.

(18) Automatic smoke venting facilities shall be provided for safe use of exits in windowless buildings.

(19) Natural draft smoke venting shall utilize roof vents in walls at or near the ceiling level, such vents shall be normally open, or, if closed, shall be designed for automatic opening in case of fire, by release of smoke sensitive devices.

(20) Where smoke venting facilities are installed for 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 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 should be provided in Refuge area or in fire escape walls for easy evacuation of occupants in case of emergency.

(24) The passage ways and the staircase width should be maintained as per NBC 2016 for all staircases and internal passages provided for the building.

(25) The **Annex C** for Fire Protection Requirements for high rise buildings in or above height 15 Mtrs. as per 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 in case of 150 years contingency 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.

(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 Recommendations for buildings and facilities for physically handicapped.
g) IS: 3614 (Part I) : 1966 Specification for fire check doors.
h) Code of practice for Fire Safety Building IS 1642 – for Details of Construction.
i) Code of practice for Fire Safety Building IS 1643 – Exposure Hazard.
j) Code of practice for Fire Safety Building IS 1644 – Exit requirement and Personal Hazard.
k) IS : 15105 – Design and installation of fixed automatic sprinkler fire extinguisher system.
l) IS: 9668 : 1990 Code of practice for provision and maintenance of water supplies and fire fighting.
m) IS 2175 : 1988 Specification for heat sensitive fire detectors for use in automatic fire alarm system.
n) IS 11360 : 1985 Specification for smoke detectors for use in automatic electrical fire alarm system.
o) IS 9457 : 1980 Safety colour and safety signs.
p) IS 12349 1988 fire Protection – Safety signs.
q) IS 12407 : Graphic symbols for fire protection plan.

Passive Fire protection required.

Requirement and Provision: - The following passive fire protection systems will have to be followed and installed for the Life Safety of the building as per Part 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.
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.
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 Stopping :** openings in the walls or floors which are provided for the passage of all building services like cables, electrical wiring & telephone cables etc. Shall be protected by the enclosure in the form of Ducts/shafts with a fire resistance of not less than 2 hours.
14	**Fire Stopping** service ducts & shafts: Service ducts & shafts shall be enclosed by wall of 2 hours & doors of 1 hour fire rating. All such ducts /shafts shall be properly sealed & fire stopped at all floors.
15	**Fire stopping** cable ducts penetration: The electrical distribution cables /wiring shall be laid in separate duct. The duct shall be sealed at every floor with non-combustible materials having the same fire resistance as the fire rating of the cable duct.

Exit Requirement :

1. An exit may be doorway, corridor, Passageway(s) to an internal staircase or external staircase, or to a verandah or terrace(s), which have access to the street, or to the roof of a building or a refuge area. An exit may also include a horizontal exit landing to an adjoining building at the same level
2. free of all obstructions or impediments to full use in the case of fire or other emergency.
3. Exists shall be clearly visible and the route to reach the exists shall be clearly marked 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 **2.2 Mtrs.**
2. Access to main 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 enclosing walls of the staircase shall be of the brick or the RCC construction having the fire resistance of not less than two hours. All enclosed staircase shall have access through self closing door of one hour fire resistance. These shall be single swing doors opening in the direction of escape. The door shall be fitted with the check action door closers.
2. The staircase enclosure on the external wall of the building shall be ventilated to the atmosphere at each landing.
3. Permanent vent at the top equal to the 5% of the cross section area of the enclosure and open able sashes at each floor level with area equal to 1 to 15% of the cross sectional area of the enclosure on external shall be provided. The roof of the shaft shall be at least 1 meter above the surrounding roof. There shall be no glazing or the glass bricks in any internal closing wall of staircase. If the staircase is in the core of the building and cannot be ventilated at each landing a positive pressure of 5 mm w.g. by an electrically operated blower/blower shall be maintained.
4. The mechanism for pressurizing the staircase shaft shall be so installed that 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 lobby is in the core of the building a positive pressure between 25 and 30 pa shall be maintained in the lobby and a possible pressure of 50 pa shall be maintained in the lift shaft. The mechanism for the pressurization shall act automatically with the fire alarm /sprinkler system and it shall be possible to operate this mechanically also.
8. Exit from the lift lobby, if located in the core of the building shall be through a self closing fire smoke check door of one hour fire resistance.
9. Lift shall not normally communicate with the basement. If however, lifts are in communication, the lift lobby of the basement shall be pressurized as mention above with self closing doors.
10. The lift machine room shall be separate and no other machinery shall be installed therein.
11. Ground switch/switches at ground floor level to enable the fire service personnel to ground the lift car/cars in emergency shall be provided.
12. Telephone or other communication facilities shall be provided in the lift cars which shall be connected to fire control room of the building.
13. Suitable arrangements such as providing slope in the floor of the lift lobby shall be made to prevent water used during fire fighting etc. at landing from entering the lift shaft.
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 SERVICES:

1. The electric distribution cables/wiring shall be laid in separate duct. The duct shall be sealed at every alternate floor with non-combustible materials having same fire resistance as that of the duct. Low & medium voltage wiring running in shaft & false ceiling shall run in separate conduit.
2. Water mains, telephones lines, intercom lines, gas pipes or any other service lines shall not be laid in the duct of electric cables, use of bus ducts /solid rising mains instead of cables shall be preferred.
3. Separate circuits for water pumps, lift, staircase & corridor lighting shall be provided directly from the main switch gear panel and these circuits shall be laid in separate conduit pipes so that fire in one circuit will not affect the other. Such circuits shall be protected at the origin by an automatic circuit breaker with its no-volt coil removed. Master switches controlling essential service shall be clearly labeled.
4. The inspection panel doors and any other opening in the shaft shall be provided with air thigh fire doors having the fire resistance of not less than **one hour.**
5. Medium & low voltage wiring running in shaft and within fall ceiling shall run in metal conduit. Any 230 Volt wiring for lighting or other services, above false ceiling, shall have 660 Volt grade insulation. The false ceiling including all fixtures for its suspension, shall be of non-combustible material and 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 intersection of corridors
   b) At each exit door
   c) Near each change of direction in the escape rout
   d) Near each staircase so that each flight of staircase receives direct light.
   e) Near any other change of floor level.
   f) Outside each final exit and close to it.
   g) Near each fire alarm call point.
   h) Near fire fighting equipment, and
   i) To illuminate exit and safety sign as required by the fire department.
6. Emergency lighting systems shall be designed to ensure that a fault or failure in any one luminaries doe not further reduce the effectiveness of the system.
7. The luminaries shall be mounted as low as possible but at least 2 Mtrs. above the floor level.
8. Signs are required at all exits emergency exits and escape routes. Which Should comply with the graphic requirements of the relevant Indian Standard.
9. Emergency lighting luminaries and their fitting shall be of non Flammable type.
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.

Air Conditioning Should 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, metallic ducts shall be used even for the return air Instead of apace above false ceiling.
6. Where plenum is used for return air passage, ceiling & its fixtures shall be non – combustible material.
7. The materials used for insulating the duct system (inside or outside) shall be non –combustible material. Glass wool shall not be wrapped or secured by any combustible material.
8. Area more than 750 Sq. Mtrs. on individual floor shall be segregated by a fire wall & automatic fire dampers for isolation shall be provided.
9. The fire dampers shall be capable of operating manually
10. Air ducts serving main floor area corridors etc. shall not pass through the staircase enclosure.
11. The air handling units shall be separate for each floor & air ducts for every floors shall be separated & in no way inter connected with the ducting with the ducting of any other floor.
12. If the air handling units serves more then one floor, the following conditions shall be completed
    i) Proper arrangements by way of automatic fire dampers working on smoke detectors or fusible link for isolation all ducting at every floor from the main riser shall be made.
    ii) When the automatic fire alarm operates the respective air handling units of the air condition system shall automatically be switched off
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 :-

1. Automatic sprinkler system should be provided for entire basement. Distance between 2 sprinklers should not be more than 3×4 Mtrs.
2. De watering arrangement should be made in the basement. Separate dedicated de-watering pumps shall be provided.

3. The sprinkler pump should be separate and should be interlink with wet riser.
4. The basement should be provided with sufficient no. of staircases as per NBC.
5. The staircase should have at least four hrs. fire resistance. The staircase provided for the upper floors shall not communicate to the basement. Separate staircase with separate entry from ground floor shall be provided for basement.
6. The alternate power supply should be provided at all basements.
7. Proper mechanical ventilation should be provided in basements.

Helipad Provision : In Future, if the height of the above said buildings will be increased & provision of HELIPAD will be applicable for that height, it should be provided as per the guidelines of National Building Code of India 2016, NFPA 418 Standards & all other norms required for the helipad.

As per Guidelines in part IV, NBC 2016 the provisions should be provided for each buildings.

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 in fire staircase	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 Building	Required	Confirming to IS;3844:1989, IS:13039:1991	Spacing at not more than 45.00 Mtrs.
4	Wet Riser cum down comer	Required in fire staircase	"C" class ISI marked – 6" dia. Pipeline of Zenith / Jindal / TATA / Surya / APL Apollo / Siddhartha /Bhushan make	
05	Automatic Sprinkler System	Required at basements, & all entire floors including corridors, lobbies & passages of buildings		Distance should be maintain 3×4 Mtrs. between sprinklers. Confirming to IS:15105:2002
06	Manually Operated Fire Alarm System.	Required		On each floor near staircase
07	Automatic Fire Detection & Alarm System	Required at besement, & all entire floors including corridors, lobbies & passages of buildings	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 building i.e. C1 to C5 Required 50,000 ltrs. separately for building D (provision of U.G.Tank should be done as per guideline of NBC 2016.)		
09	Terrace Tank	Required 20,000 ltrs. to each building.	Above staircase on terrace floor for independent water supply to wet riser cum down comer.	
10	Fire pumps main Pumps on U.G. 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) (All pumps for building C1 to C5 should have multi stage – multi outlet system except jockey & booster pump) for building C1 to C5 Only. **1 No.** 2280 LPM. capacity @ 3.5 kg./Cm2 at the farthest point with a stand by pump for building D. (diesel driven) of similar capacity.(Submersible pump or Monoblock pump will not be acceptable.) Booster Pumps Pumping arrengment should be provided separately for as per guideline of NBC 2016. Positive fire pump suction preferred. Pump of Kirloskar/ Crompton/ Mather & Platt makes		
11	1.Fire Brigade Connection For Static Water Tank 2.Hydrant Sprinkler Riser System 3.External hydrant ring main.		4 way. 3 way. 4 way.	Near the entry point of the building.
12	Fire Dampers in AC Ducts	Required	IS:655:1963 specifications for metal air ducts (Revised)	
13	Fire Lift	Required	50% of total lifts provided to the building.	
14	Refuge Area	Required	For High-rise Bldgs only	

15	Fire Doors	fire staircase, shop, and front door of each flat above 24.00 Mtrs. should be a fire door. (Tested by Roorki, A.R.A.I. or I.P.I.R.T.I. only) (not need for each flat, if pressurization system provided to fire staircase of the building)	2 hrs. Fire resistive types with panic bar from both the sides (Tested by Roorki or A.R.A.I.only) Confirming to IS: 3614 (Part-1)1966	
16	Safety signs & Exit Signs	Florescent type	IS:12349:1988 &IS12407:1988	On all strategic locations
17	Pressurization of fire/ escape staircases/ Fire lift	Required	For Highrise buildings above 24 Mtrs. height.	
18	Fire Resistance insulation or sealing of floor or compartment ducts.		Required for limiting the spread of heat & smoke	
19	Emergency Lights	Required		
20	PA System with talk Back Facility	Required		
21	Auto D.G. Backup	Required for all fire safety systems & fire lift		
22	De watering system	Required at basements of the buildings with separate pump		
23	Fire Resistance rating for Glass used for façade	Required		

The other provisions of D.C. Rules of PMC / UDCPR -2020 & NBC, Part IV, 2016 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: The Provisional Fire NOC issued vide No. FB/494, Dt. 02.05.2019 is deemed to be cancelled.

(Ramesh B. Gangad)
Assi. Divisional Fire Officer
Pune Municipal Corporation

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

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

SWACH
A higher level of self-reliance

Date: 7th Oct 2021

To,
M/s Nyati Builders Pvt Ltd
S.no 103/129C , CTS no .1995 and CTS no 1996 B, Yerwada Pune

Sub: - Facilitating Solid Waste Management at your Commercial/Residential **Nyati Exuberance** situated at No 24(P) & 26(P), Undri, Taluka Haveli, Pune

Dear Sir,

With reference to above subject we intend to facilitate the management of solid waste at your proposed project.

SWaCH Seva Sahakari Sanstha Maryadit, Pune (SWaCH) is India's first wholly-owned cooperative of self-employed waste pickers or waste collectors and other urban poor. It is an autonomous enterprise that ensures provision of front-end waste management services to the citizens of Pune through self-employed informal waste-pickers.

We will facilitate the collection of segregated dry waste (recyclables and non-recyclables: **596Kg/Day, E Waste— 4.5Kg/Day)** from your registered project **Nyati Exuberance** situated at, No 24(P) & 26(P), Undri, Taluka Haveli, Pune through waste-picker members of SWaCH after completion of project.

Further, you have also confirmed that you have acquired the necessary equipment and infrastructure **(OWC: 873Kg/Day)** for management of wet waste at source. If necessary, we can assist in facilitating in-situ wet waste processing using existing infrastructure and equipment through waste-pickers within the premises of your registered project through such affiliates and subject to such terms and conditions as may be applicable. We ensure collection of E-waste from the site at a cost mutually decided. All commercial terms must be negotiated with waste-pickers prior to commencement of work.

Assuring you the best of our services.

Thanking You,

Reg. No. PNA (1) GNL/O/1321/07-08

For **SWaCH Pune Seva Sahakari Sanstha Ltd**

Authorized Signatory

7th Oct 2021

भारतीय गैर न्यायिक

भारत INDIA

रु. 500 FIVE HUNDRED RUPEES

पाँच सौ रुपये Rs. 500

सत्यमेव जयते

INDIA NON JUDICIAL

महाराष्ट्र MAHARASHTRA ◑ 2021 ◑ BF 886582

5 OCT 2021

दि.....मु.शु.रक्कम...५००

दस्ताचा प्रकार.....

दस्त नोंदणी करणार आहेत का ? होय/नाही.

मिळकतीचे वर्णन.....

मुद्रांक विकत घेणाऱ्याचे नांव.....

पत्ता.....

दुसऱ्या पक्षकाराचे नांव.....

हस्ते व्यक्तीचे नांव व पत्ता.....

SANGIETAA LOKANDE
परवाना क्र. २२०११२४
मुद्रांक विकत घेणाऱ्याची सही नोव्होज हॉटेल कम्पाऊंड, बंडगार्डन रोड, पुणे-१

ज्या कारणासाठी ज्यांनी मुद्रांक खरेदी केला, त्यांनी त्याच कारणासाठी मुद्रांक खरेदी केल्यापासुन ६ महिन्यात वापरणे बंधनकारक आहे

वरिष्ठ कोषागार अधिकारी पुणे

11 OCT 2021

प्रथम मुद्रांक लिपीक कोषागार पुणे करिता

NOTARY
Savita Pradeepkumar Rokade
Dist. Pune.
Regd. No. 15377
Exp. Dt. 13/11/2024
GOVERNMENT OF INDIA

NYATI BUILDERS PVT. LTD. PUNE

पुणे सेवा सहकारी संस्था मर्यादित, पुणे
Reg. No. PNA (1) GNL/ O/1321/07-08

AGREEMENT

This Agreement ("Agreement") is entered into as on -05.10. 2021.

Between

M/s. Nyati Builders Pvt. Ltd., a registered Firm having its registered office at S.no. 103/129B,CTS No. 1995, S.No. 103/129C, CTS No. 1995 and CTS No. 1996 B, Yerawada, Pune, (herein after referred to as the **"Developer") Party No.1**

AND

SWaCH Pune Seva Sahakari Sanstha Maryadit, an autonomous fully owned cooperative of waste pickers in Pune which has its office at 3rd Floor, Old Tilak Road Ward Office,Above SBI (Tilak Road Branch) , Pune – 411042 (herein after referred to as the **"Party No. 2"**), **Party No.2**

WHEREAS, the Developer/Party No.1 is developing/has developed a project under name and style of **Nyati Exuberance'** situated at **S.No.24(P) 26 (P), Undri Tal- Haveli, Pune**, (herein after referred to as the **"said Site"**).

AND WHEREAS, the Developer requires professional services of a suitable agency to collect, recycle, and/or dispose of all the non-bio-degradable wastes, ("the said Wastes") resulting from the said Site on timely basis;

AND WHEREAS, Party No. 2 has assured the Developer that it can ensure the provision of such services through waste-picker members of the cooperative in accordance with local, state and central regulations;

AND WHEREAS relying on the assurances and representations made by Party No. 2, the Developer has requested the Party No. 2 to facilitate the collection, treating, disposing etc. of the dry and non-recyclable waste through its members for a period of 12 months from the date of execution hereof, which is accepted by the Party No. 2 subject to the terms and conditions mentioned hereinafter.

NOW THIS AGREEMENT WITNESSETH HEREAFTER

1. The Party No. 2 hereby agrees to ensure the collection through waste-pickers of non-bio-degradable waste **(596 kg / day E waste 4.5Kg Day)** resulting from the said Site, for a period of 12 (twelve) months from the date of execution hereof, for such user-fees which shall be mutually agreed upon at time of commencement of service with waste-pickers. We ensure collection of E-waste from the site at a cost mutually decided.
2. This agreement may be renewed for a subsequent term of 12 months or more by mutual consent in writing based on such consideration as may be agreed at the time of renewal. The parties may amend this agreement in writing.
3. In consideration of receiving services of waste-collection and waste-management, the Developer agrees to pay such user fees to waste-pickers as maybe finalized with them at time of commencement of services directly or through such facilitation mechanisms as may be mutually agreed. The Developer shall ensure the timely payment of user fees to waste-pickers and /or shall ensure that the person/ entity in charge of administration of the site shall make such timely payments in case of transfer of administration / ownership to a CHS, Apartment Condominium etc. The Developer may be substituted as party to this Agreement by such person/entity on mutual consent in writing upon transfer of rights / administration of the Site.
4. Notices: Any notice required or permitted to be given under this Agreement shall be in writing, shall be deemed duly given if delivered in person or if sent by registered Post, return receipt requested, on the address stated hereinabove.
5. It is agreed by and between the Parties that either party shall be entitled to terminate this agreement by giving 30 days written notice to the other party. However, the services received

NYATI BUILDERS PVT. LTD. PUNE

Reg. No. PNA (1) GNL / O/1321/07-08

6. All disputes shall be referred to sole arbitration of the chief executive officer or director of the Party No. 2. Arbitration proceedings shall be governed by the Arbitration and Conciliation Act, 1996. Arbitration shall take place in Pune, Maharashtra, India in English.

7. This agreement is subject to Indian Laws and any dispute arising out of the same shall be referred to the courts of appropriate jurisdiction within the city limits of Pune (Maharashtra, India) only.

IN WITNESS WHEREOF, the parties have signed this Agreement on the day and year first above written.

M/s. Nyati Builders Pvt. Ltd.

Through Piyush Nitin Nyati.

SWaCH Cooperative,

Through.....

(Party 2)

NOTARY Savita Pradeepkumar Rokade Dist. Pune. Regd. No. 15377 Exp. Dt. 13/11/2024 GOVERNMENT OF INDIA

NOTARIAL NOTARIAL NOTARIAL NOTARIAL NOTARIAL

06 OCT 2021

BEFORE ME

Savita Pradeepkumar Rokade
ADVOCATE & NOTARY
GOVT. OF INDIA

Noted and Registered at Serial Number
Reg. No.- 42/2021
Book No.- 04

WWW.LOKSATTA.COM
पुणे, मंगळवार, १२ एप्रिल २०२२ लोकसत्ता १३

जाहीर सूचना

तमाम जनतेस सूचित करण्यात येते की न्याती बिल्डर्स प्रा. लि. यांच्या उंड्री ता. हवेली जि. पुणे येथील सर्वे नंबर २४/२/१, २४/२/१/७, २४/२/१/२/१, २४/२/१/५, २६/१/२, २६/१/३, २६/१/१, २६/१/१/४, २६/१/५, २६/१/६, २६/१/७, २६/१/७, २६/१/८, २६/१/९, २६/१/१०, २६/१/११, २६/१/१२, २६/१/१३, २६/१/१४, उंड्री, तालुका हवेली, जि. पुणे, महाराष्ट्र कडून येथील प्रकल्पास शासनाच्या पर्यावरण आघात मूल्यांकन प्राधिकरण महाराष्ट्र (महाराष्ट्र शासन) यांच्या कडून दिनांक २७ मार्च २०२२ रोजीचे पत्र क्र. EC22B038MH171251 नुसार पर्यावरण विषयक परवानगी मिळालेली आहे. ही परवानगी पर्यावरण आघात मूल्यांकन अधिसूचना २००६ नुसार देण्यात आलेली आहे. सदर परवानगीची प्रत http://parivesh.nic.in/ या संकेत स्थळावर उपलब्ध आहे.

सही /-
मे. न्याती बिल्डर्स प्रा. लि.

PUBLIC NOTICE

This is to inform general public that, the State Level Environment Impact Assessment Authority, State of Maharashtra has granted Environmental clearance for Proposed Residential & Commercial project located at Survey No.24/2/1, 24/2/1/7, 24/2/1/2/1, 24/2/1/5, 26/1/2, 26/1/3, 26/1/1, 26/1/1/4,26/1/5, 26/1/6, 26/1/7,26/1/7, 26/1/8, 26/1/9, 26/1/10, 26/1/11, 26/1/12, 26/1/13, 26/1/14, Undri, Taluka Haveli., Dist Pune, Maharashtra vide its letter **No. EC22B038MH171251** dated **27 March 2022 to Nyati Builders Pvt. Ltd.**

This permission granted as per the provisions of Environment Impact Notification 2006. This permission can be also seen on the website at **http://parivesh.nic.in/**

Sign/-
Nyati Builders Pvt. Ltd.

Tue 06-06-2023 14:47

Sanctioning Dept

EC compliance report of June 2023 for Nyati exuberance

To eccompliance-mh@gov.in

Cc ms@mpcb.gov.in

Exuberance 6 monthly Compliance report June 2023.pdf
.pdf File

Dear Sir,

Please find enclosed Post EC compliance report of June 2023 for our residential construction project located at S.No. 24(P), 26(P), Undri, Pune.

Project Proponent name: Piyush Nitin Nyati

NYATI

Aishwarya Dhopate
Junior Engineer - Environment

25 YEARS OF EXCELLENCE

Nyati Unitree, East Wing, Nagar Road, Yerwada, Pune 411 006, India

+91-20-6686 3333 +91-90750 91188 sanctioning@nyatigroup.com www.nyatigroup.com

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Environment Management Plan

Purpose:

EMP is prepared to check, carryout and maintain environment management of project during construction and operation phase.

Structure of EMP

The EMP consists of formation of Environmental Management Cell (EMC) for effective implementation of mitigation measures, preparation of site executable environment protection measures and environmental monitoring plan

Compliance

There will be three facts to design and follow the schedules viz.:

(A) For compliance of responsibilities,

(B) For day-to-day operation and maintenance of STP and OWC, and

(C) For routine environmental monitoring, to assess the impact and take timely action.

I) Daily Compliance:

1. Take the meter readings - initial and final, for checking the water consumption.
2. Maintain the electricity consumption record for pollution control equipments.

II) Monthly Compliance:

1. Monitor the emission sources through the competent laboratory and submit the analysis reports to the pollution control board and MoEF.
2. Monitor ambient/work zone noise levels & ensure conformance to standards.

III) Quarterly Compliance:

1. Monitor the ambient air quality at upwind and downwind locations of the Project.
2. Review the Water Reuse performance.

IV) Half Yearly Compliance: Submit the Post Environment Clearance Report to the Regional Office of MoEF & Climate Changes along with the State Pollution Control Board as may be prescribed in the prior EC every June & December.

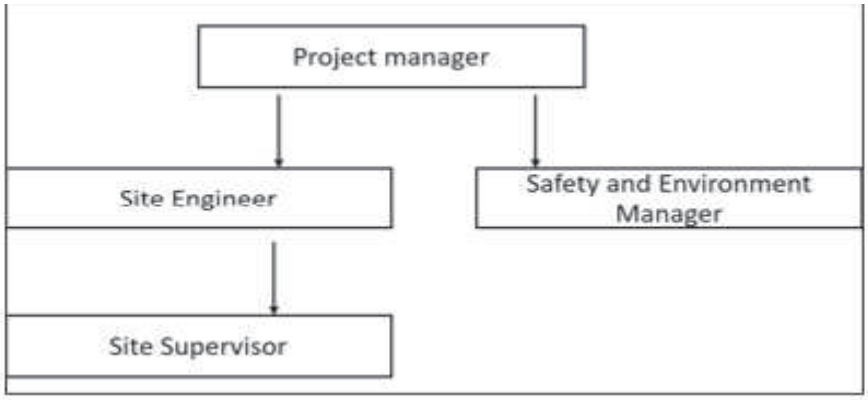
V) Yearly Compliance:

1. Submit the "Environmental Statement" to the State Pollution Control Board in Form V under Rule 14 of the Environment (Protection) Second Amendment Rules 1992 to review the environmental policies with the help of experts and make the up gradation /changes accordingly.

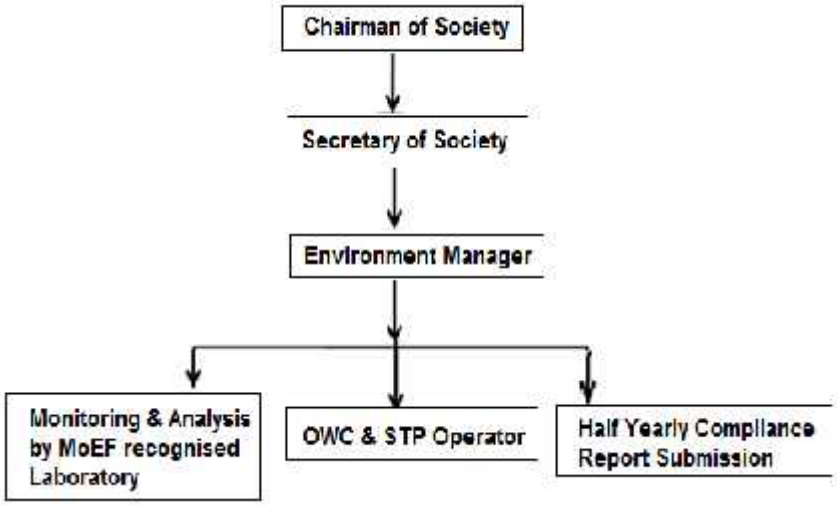
2. Renew the Consent to Operate under the Water and Air Acts.

Environment Management cell

An Environmental Monitoring Cell (EMC) need to be formed in order to assess and review the progress of the various mitigation measures suggested in the Environmental Management Plan. This cell is formed at both construction and operation phase. During construction phase all the environmental practices will be monitored by the project proponent while during operation phase it will be monitored by Chairman of Society. Organization charts and cost of EMC at both phases are given below.



Organization Chart of EMC during Construction Phase



Organization Chart of EMC during Operation Phase

MITCON Consultancy & Engineering Services Ltd.
Environment Management and Engineering Division
(Environmental Laboratory)
Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005,
Ph. No. 66289405/400, email: emelab@mitconindia.com

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Format No. EME/LAB/Format 7.8/TR

Test Report

Report Number: MITCON/2023-24/October/10452 **Issue Date:** 06/11/2023

Client's Name & Address	**Reference No.**	**MITCON/2023-24/October/10452/1**
M/s. Nyati Builders Pvt. Ltd., Nyati Unitree, Sr. No. 103/129, Plot, B+C of CTS No. 1995 & CTS No. 1996B Yerwada, Pune – Nagar Road, Pune – 411006 Maharashtra. **Site Address – Nyati Exuberance** RESIDENTIAL & COMMERCIAL PROJECT, 24 (part), 26(part), Undri, Tal Haveli, Dist Pune	**Date of Monitoring**	31/10/2023
	Date of Analysis	02/11/2023
	Product Group	**Atmospheric Pollution**
	Product Name	**Ambient Air**
	Method of Sampling	**IS 5182 Part 1 : 2006**
	Test Location	**Near Main Gate**
	Monitoring Done By	MITCON

OBSERVATION

Ambient Temp. °C	Dry Bulb Temp. °C	Wet Bulb Temp. °C	Relative Humidity % RH	Sampling Time In Hrs	Sampling Duration In Min
32	32	26	61	11:00	480

RESULT

Parameter No.	Description	Unit	Results	NAAQ Standards	Standard method
01	Sulphur Dioxide (SO_2)	$\mu g/M^3$	16.47	≤ 80	IS:5182(Part 2)-2001 (Reaffirmed 2017)
02	Oxides of Nitrogen (NO_2)	$\mu g/M^3$	24.85	≤ 80	IS:5182(Part 6)-2006 (Reaffirmed 2017)
03	Particulate Matter PM_{10} micron	$\mu g/M^3$	68.39	≤ 100	IS:5182(Part 23)-2006 (Reaffirmed 2017)
04	Particulate Matter $PM_{2.5}$ micron	$\mu g/M^3$	38.47	≤ 60	IS 5182 (Part 24) : 2019 (Reaffirmed 2019)
05	Ozone (O_3)	$\mu g/M^3$	28.2	≤ 180	IS 5182(Part 9)-1974 (Reaffirmed 2019)
06	Lead (Pb)	$\mu g/M^3$	≤ 0.5	≤ 1.0	IS 5182 (Part 22) – 2009
07	Carbon Monoxide (CO)	mg/M^3	0.86	≤ 4.0	Instrumental Manual
08	Ammonia (NH_3)	$\mu g/M^3$	BDL	≤ 400	Methods of air sampling and analysis method no 401 3rd Ed 1989
09	Benzene (C_6H_6)	$\mu g/M^3$	BDL	≤ 5	IS 5182(Part 11):2006 (RA:2017)
10	Benzo(a)Pyrene (BaP)	ng/M^3	BDL	≤ 1	IS 5182(Part 12):2004 (RA:2019)
11	Arsenic (As)	ng/M^3	BDL	≤ 6	Methods of Air sampling and analysis method no 302 3rd Ed:1989
12	Nickel (Ni)	ng/M^3	≤ 0.5	≤ 20	IS 5182 (Part 26) 2020

REMARKS/OBSERVATIONS:

- All above results are within National Ambient Air Quality standards.
- BDL: - Below Detection Limit.

For MITCON Consultancy & Engineering Services Ltd.

Checked By
(Mrs. Kadambari Deshmukh)

MITCON CONSULTANCY & ENGINEERING SERVICES LTD. PUNE

Authorized Signatory
Dr. Sandeep Jadhav
(Quality Manager/HOD

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Report Number: MITCON/2023-24/October/10452 **Issue Date:** 06/11/2023

Client's Name & Address	**Reference No.**	**MITCON/2023-24/October/10452/2**
M/s. Nyati Builders Pvt. Ltd., Nyati Unitree, Sr. No. 103/129, Plot, B+C of CTS No. 1995 & CTS No. 1996B Yerwada, Pune – Nagar Road, Pune – 411006 Maharashtra. **Site Address – Nyati Exuberance** RESIDENTIAL & COMMERCIAL PROJECT, 24 (part), 26(part), Undri, Tal Haveli, Dist Pune	**Date of Monitoring**	31/10/2023
	Product Group	**Atmospheric Pollution**
	Product Name	**Ambient Noise**
	Method of Sampling	IS 9989:1981 (RA 2008)
	Monitoring Done By	MITCON

READINGS

Sr. No.	Test Location	Unit	Readings	
			12:00 Hrs. (Day Time)	22:30 Hrs. (Night Time)
01	Near Main Gate	dB(A)	54.2	43.5
02	Near Mhada Building	dB(A)	53.7	42.5
03	Near Podium Area	dB(A)	54.0	42.2
04	Center of C2 & C3 Building	dB(A)	53.6	42.1
05	Near C5 Building	dB(A)	54.7	42.6

REMARKS / OBSERVATIONS:

- All above results are within MPCB Limits.
- Limits: Maharashtra Pollution Control Board has prescribed 65 dB (A) as an upper limit of Noise Level during daytime & 55 dB (A) as an upper limit during night time.

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Solutions for Sustainable Tomorrow

For MITCON Consultancy & Engineering Services Ltd.

Checked By
(Mrs. Kadambari Deshmukh)

Authorized Signatory
Dr. Sandeep Jadhav
(Quality Manager/HOD

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Test Report

Report Number: MITCON/2023-24/October/10452 **Issue Date:** 06/11/2023

Client's Name & Address	**Reference No.**	**MITCON/2023-24/October/10452/3**
M/s. Nyati Builders Pvt. Ltd., Nyati Unitree, Sr. No. 103/129, Plot, B+C of CTS No. 1995 & CTS No. 1996B Yerwada, Pune – Nagar Road, Pune – 411006 Maharashtra. **Site Address – Nyati Exuberance** RESIDENTIAL & COMMERCIAL PROJECT, 24 (part), 26(part), Undri, Tal Haveli, Dist Pune	**Date of Monitoring**	31/10/2023
	Date of Analysis	02/11/2023
	Product Group	**Atmospheric Pollution**
	Product Name	**Stack Emission**
	Method of Sampling	**IS 11255 (Part 1) 1985**
	Test Location	**DG Set 125 KVA S#1**
	Monitoring Done By	MITCON

OBSERVATION

Sr. No.	Parameters	Unit	Results
01	Time of Sampling	Hrs	14:30
02	Material of Stack	--	MS
03	Stack Height from G.L.	Mtr.	2.4
04	Type of Stack	--	Round
05	Type of Fuel Use	--	HSD
06	Flue Gas Temperature	°K	406
07	Differential Pressure	mmWG	4.8
08	Velocity	M/s	8.38
09	Dimensions of Stack (ID)	Mtr.	0.1016
10	Stack Area	M^2	0.0081
11	Gas Volume	NM^3/Hr	179.35

RESULT

Sr. No.	Description	Unit	Results	MPCB Limits
01	Particulate Matter	Mg/NM^3	56.8	≤ 150
02	Sulphur Dioxide	Mg/NM^3	37.0	--
03	Sulphur Dioxide	Kg/day	0.15	--
04	Oxides of Nitrogen	ppm	34.0	--

REMARKS/OBSERVATIONS:

- All above results are within MPCB limits.

For MITCON Consultancy & Engineering Services Ltd.

Checked By
(Mrs. Kadambari Deshmukh)

MITCON CONSULTANCY & ENGINEERING SERVICES LTD. PUNE

Authorized Signatory
Dr. Sandeep Jadhav
(Quality Manager/HOD

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Solutions for Sustainable Tomorrow

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Test Report

Report Number: MITCON/2023-24/October/10452 **Issue Date:** 06/11/2023

Client's Name & Address	**Reference No.**	**MITCON/2023-24/October/10452/4**
M/s. Nyati Builders Pvt. Ltd., Nyati Unitree, Sr. No. 103/129, Plot, B+C of CTS No. 1995 & CTS No. 1996B Yerwada, Pune – Nagar Road, Pune – 411006 Maharashtra. **Site Address – Nyati Exuberance** RESIDENTIAL & COMMERCIAL PROJECT, 24 (part), 26(part), Undri, Tal Haveli, Dist Pune	**Date of Monitoring**	31/10/2023
	Product Group	**Atmospheric Pollution**
	Product Name	**DG Set Insertion loss**
	Method of Sampling	IS 9989:1981 (RA 2008)
	Monitoring Done By	MITCON

READINGS

Sr. No.	M/C Code#	Description	Test Location	Unit	Readings 15:00 Hrs.	Insertion loss ≥25 dB
01	S # 1	DG Set 125 KVA	Inside Acoustic Enclosure	dB(A)	102.8	27.0
			Outside Acoustic Closure From 0.5 meter away	dB(A)	75.8	

REMARKS / OBSERVATIONS:

- **Limits:** Maharashtra Pollution Control Board has prescribed in consent, acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standard, whichever is on higher side.

For MITCON Consultancy & Engineering Services Ltd.

Checked By
(Mrs. Kadambari Deshmukh)

MITCON CONSULTANCY & ENGINEERING SERVICES LTD. * PUNE *

Authorized Signatory
Dr. Sandeep Jadhav
(Quality Manager/HOD

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Test Report

Report Number: MITCON/2023-24/October/10452 **Issue Date:** 06/11/2023

Client's Name & Address	Sample Details	
M/s. Nyati Builders Pvt. Ltd., Nyati Unitree, Sr. No. 103/129, Plot, B+C of CTS No. 1995 & CTS No. 1996B Yerwada, Pune – Nagar Road, Pune – 411006 Maharashtra. **Site Address – Nyati Exuberance** RESIDENTIAL & COMMERCIAL PROJECT, 24 (part), 26(part), Undri, Tal Haveli, Dist Pune	**Sample Code**	**MITCON/2023-24/October/10452/5**
	Name of Sample	Soil
	Sample Details	soil .
	Container Details	1 kg plastic bag
	Sample Collected By	MITCON
	Sample Collected On	31/10/2023
	Date of Sample Receipt	01/11/2023
	Analysis Start Date	01/11/2023
	End Date of Analysis	06/11/2023

ANALYSIS RESULTS

Sr. No.	Parameters	Results	Unit	Test Method
01	Texture	sandy loam	-	IS 2720 (Part 4)
02	Percentage Of Different Components			
	sand Silt Clay	42 30 28	% % %	IS 2720 (Part 4)
03	Moisture	3.02	%	IS 2720 Part II1973
04	Bulk Density	1.14	gm/cm2	IS 2720 (Part XXIOX)-1975
05	Water Holding Capacity	45.1	%	IS 14767 2000
06	pH	7.90	--	IS 2720 (Part 26) 1987,Rev..2,Reaff 2011
07	Conductivity	689.2	µs/cm	IS 14767,2000,Reaff 2016
08	Organic Carbon	0.34	%	IS 2720 (Part 22)
09	Calcium (as Ca)	90.3	mg/kg	P.K Behra soil analysis manual
10	Magnesium (as Mg)	47.08	mg/kg	P.K Behra soil analysis manual
11	Available Nitrogen	84.6	kg/ha	IS 14684
12	Phosphorous (as P)	10.23	kg/ha	Laboratory methods for analysis of soils irrigation water and plants rev Ed 2012 P.No 87-89
13	Potassium (as K)	104.52	kg/ha	Laboratory methods for analysis of soils irrigation water and plants rev Ed 2012 P.No 87-89
14	Iron (as Fe)	1.02	mg/kg	EME/LAB/SOIL/Micronutrient/AAS
15	Zinc (as Zn)	0.78	mg/kg	EME/LAB/SOIL/Micronutrient/AAS
16	Copper (as Cu)	0.59	mg/kg	EME/LAB/SOIL/Micronutrient/AAS
17	Sodium	30.5	mg/kg	EME/LAB/SOIL/Micronutrient/AAS
18	Manganese (as Mn)	0.18	mg/kg	EME/LAB/SOIL/Micronutrient/AAS
19	Total Chromium (as Cr)	<0.05	mg/kg	EME/LAB/SOIL/Micronutrient/AAS
20	Nickel (as Ni)	<0.1	mg/kg	EME/LAB/SOIL/Micronutrient/AAS
21	Cadmium (as Cd)	<0.05	mg/kg	EME/LAB/SOIL/Micronutrient/AAS
22	Lead (as Pb)	<0.1	mg/kg	EME/LAB/SOIL/Micronutrient/AAS

For MITCON Consultancy & Engineering Services Ltd.

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Test Report

Report Number: MITCON/2023-24/October/10452 **Issue Date:** 06/11/2023

Client's Name & Address	Sample Details	
M/s. Nyati Builders Pvt. Ltd., Nyati Unitree, Sr. No. 103/129, Plot, B+C of CTS No. 1995 & CTS No. 1996B Yerwada, Pune – Nagar Road, Pune – 411006 Maharashtra. **Site Address – Nyati Exuberance** RESIDENTIAL & COMMERCIAL PROJECT, 24 (part), 26(part), Undri, Tal Haveli, Dist Pune	**Sample Code**	**MITCON/2023-24/October/10452/6**
	Name of Sample	Water
	Sample Details	Drinking water
	Container Details	2 lit Plastic Can + 100 ml Sterile bottle
	Sample Collected By	MITCON
	Method of sampling	IS 3025 (Part I)
	Sample Collected On	31/10/2023
	Date of Sample Receipt	01/11/2023
	Analysis Start Date	01/11/2023
	End Date of Analysis	06/11/2023

ANALYSIS RESULTS

Sr. No	Parameters	Results	Unit	IS:10500:2012 Required Standards	Test Methods
CHEMICAL POTABILITY					
1.	pH at 25 °C	7.14	-	6.50 to 8.50	APHA 4500 H+, A, 4-95, 23rd Ed.2017.
2	Electrical Conductivity at 25 °C	45.12	µS/cm	N.S.	APHA 2510 B,2-56 to 2-58 ,23rd Ed.2017.
3	Turbidity	<1	NTU	≤ 1	IS: 3025 Part-10 (Rev.1,RA:2012)
4	Total Dissolved Solids	18.14	mg/l	≤ 500	APHA 2540 C, 2-69 to 2-70, 23rd Ed.2017.
5	Total Alkalinity as $CaCO_3$	<5.0	mg/l	≤ 200	APHA 2320 B, 2-37 to 2-3923rd Ed.2017..
6	Total Hardness as $CaCO_3$	8.20	mg/l	≤ 200	APHA 2340 C ,2-48 to 2-50,23rd Ed.2017.
7	Chloride as Cl^-	<5.0	mg/l	≤ 250	APHA 4500 Cl B,4-75 to 4-76,23rd Ed.2017.
8	Nitrate as NO3	<1	mg/l	≤ 45	APHA 4500 MPN3- B 4-127 23rd Ed.2017.
9	Fluoride as F	<0.1	mg/l	≤ 1.0	APHA 4500 F-D 4-90 to 4-91 ,23rd Ed.2017.
10	Sodium as Na	<1	mg/l	N.S.	APHA 3111B, 3-20 to 3-21 , 23rd Ed.2017.(AAS)
11	Sulphate	<10.0	mg/l	≤ 200.0	APHA 4500 SO4 E ,4-199 to 4-200,23rd ed 2017
BACTERIOLOGICAL POTABILITY					
01	Total Coliforms	Absent	/100 ml	Absent	IS: 15185
02	Faecal coliform	Absent	MPN./100 ml	Absent	IS: 1622 (R.A 1 2014)

For MITCON Consultancy & Engineering Services Ltd.

Checked By
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