Gmail

kumar properties <kumarworldcompliance2025@gmail.com>

Six Monthly Compliance Report for period October 2025 to March 2026 for Residential project -Kumar Properties and Developers LLP

1 message

kumar properties <kumarworldcompliance2025@gmail.com> Mon, Jun 1, 2026 at 6:40 PM
To: eccompliance-mh@gov.in, cc-cacdesk@mpcb.gov.in
Cc: sropune2@mpcb.gov.in
Bcc: compliancecell@kumarworld.com, moef16@kumarworld.com

Six Monthly Complience Report_October 2025 to…

Dear Sir/Madam,

Please find the Post EC Compliance Report attached herewith for Period of October 2025 to March 2026 of Residential project proposed on plot bearing Survey No. 47/1+ 48/C/2+ 48/C/3+ 48/C/4 Mundhwa, Pune, Maharashtra by Kumar Properties and Developers LLP, with reference to Environmental Clearance Letter Identification No. EC23B000MH178080 dated 06th June 2023.

Hope this is in line with your requirement.

Thanking you
Kumar Properties and Developers LLP

Six Monthly Complience Report_October 2025 to March 2026_47 East.pdf
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SIX MONTHLY COMPLIANCE REPORT

OF

RESIDENTIAL PROJECT

AT

S.NO.47/1+ 48/C/2+ 48/C/3+ 48/C/4

MUNDHWA, PUNE, MAHARASHTRA

BEING DEVELOPED BY

KUMAR PROPERTIES AND DEVELOPERS LLP

FOR

OCTOBER 2025 TO MARCH 2026

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LIST OF ANNEXURES

Section1: Purpose of the Report

As per the EIA Notification 2006 and Condition mentioned in General EC condition, it is mandatory to submit six monthly compliance report to show the status & compliance of all the conditions mentioned in EC letter, along with monitoring of various environmental parameters. Therefore, based on the general conditions mentioned in EC letter detail compliance report is prepared.

Section 2: Project Details

Project is a residential project to cater to the needs of growing suburban destination – Mundhwa wherein infrastructure facilities such as water supply, power supply and communication facilities are proposed. Further the project proponent has made provision for waste collection and disposal, rain water harvesting and sewage treatment to mitigate environmental damages envisaged. The details of the project are as per EC attached herewith as **Annexure 1**.

Section 3: Present Site Conditions

Sr. No.	Name of Buildings	No. of Buildings	Current Status
1	A Building	1	Completed
2	B Building (A to D)	1	In Progress
3	C Building	1	In Progress

Sr. No.	**Status**	**Construction Area (in Sq.m)**
1.	Total Construction Area as per EC	84,485.75
2.	Total Construction Area Completed till March 2026	35,142.65

Section 4: Post Environment Clearance Compliance Report

Sr. No.	**EC Conditions**	**Compliance Status**
Specific Conditions		
1	It is noted that 1384 trees will be planted outside the project site, PP to submit the undertaking for maintenance of the same for the period of 7 years or project completion whichever is later.	As per our revised calculations out of 1360 nos. of trees, we shall be planting 1181 nos. of tress outside the project site & 440 nos. of trees shall be planted on site. Undertaking for the same is attached as **Annexure A**

2	It is noted that, the planning is not compatible with respect to fire tender movement. PP to submit the provisional fire NoC along with cross section.	Fire tender movement along with section & Fire NoC is attached as **Annexure B**
3	PP to provide electric charging facility by providing charging points at suitable places as per Maharashtra Electric Vehicle Policy, 2021.	We are providing 30.38% of car parking for electrical (AC) vehicle & 10 % of DC car parking for visitors vehicle.
4.	PP to ensure that, the water proposed to be used for construction phase should not be drinking water. They can use recycled water or tanker water for proposed construction.	We will not use drinking water for construction activities. Undertaking is attached as **Annexure C**.
SEIAA Conditions		
I.	PP to keep open space unpaved so as to ensure permeability of water. However, whenever paving is deemed necessary, PP to provide grass pavers of suitable types & strength to increase the water permeable area as well as to allow effective fire tender movement.	Condition is noted and agreed.
II.	PP to achieve at least 5% of total energy requirement from solar/other renewable sources.	Condition is noted and shall be complied with.
III.	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.	We will 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.
IV.	SEIAA after deliberation decided to grant EC for - FSI – 57,186.35 m2, Non FSI- 27,299.40 m2, Total BUA- 84,485.75 m2. (Plan approval No. Zone 4/3658 dated 13/03/2023).	Condition is noted.
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.	The solid waste is segregated and recyclable material is sold to recyclers and inert material will be used for site leveling.
II.	Disposal of muck, Construction spoils, including bituminous material during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in the approved sites with the approval of competent authority.	All construction waste is collected and segregated properly at site and most of it is reused for construction activity.

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.	Used oil generated at site will be disposed through MPCB authorized vendors.
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.	Drinking water and mobile toilets are provided for labors on site.
V.	Arrangement shall be made that waste water and storm water do not get mixed.	Separate drainage and storm water system / network is provided to ensure wastewater 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	Gunny bags are wrapped in columns and ponding is done to reduce water usage for curing. Premixed concrete is being used.
VII.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Condition is noted.
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	The ground water table is at 13-15 m, and the excavation of basement does not involve ground water extraction.
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 using low flow fixtures in toilets to minimize wastage of water.
X.	The Energy Conservation Building code shall be strictly adhered to.	We will adhere to 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.	Yes, we are storing excavated topsoil, same shall be used for horticulture / landscape development within the project site. Photograph of topsoil stored is attached as **Annexure 13**.
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.	Construction debris will be used for base preparation of the road and for site leveling.
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.	Soil testing was done, according to reports all the parameters are within limit and Monitoring reports are attached as **Annexure 2.** The practice shall be continued throughout the construction phase

		to ensure that there is no threat to ground water.
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.	Condition is noted.
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.	We are not using DG at present. If needed, we will use low sulphur diesel type DG during construction phase and it will confirm to Environment (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.	Construction vehicles are checked for PUC certificate before entry. PUC Certificate Attached as **Annexure 3**.
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.	Care will be taken to maintain the noise level within limits at site. Construction activities will be limited to daytime only. Noise shields will be provided for heavy construction equipment. PPE has also been provided to labours.
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.	01 DG set of capacity 500 KVA, will be provided for power back up. DG set will be provided with silencer and acoustic enclosure. Stack height will be as per MPCB norms.
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.	Dedicated site engineers and supervisory staff is appointed to take care of monitoring and overall implementation.
(B) Operation Phase		
	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)	a) The solid waste generated will be properly collected and segregated. b) Wet waste will

I.	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.	be treated by wet waste processing unit and compost will be utilized in the premises for gardening. c) Dry/inert waste will 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.	An agreement with SWACH is made for disposal of E- waste and copy of same is attached as an **Annexure 4.**
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 give 100% treatment to sewage/Liquid waste and explore the possibility to recycle at least 50% of water, Local authority should ensure this.	STP having capacity of 300 KLD will be provided at site. Treated water will be used for flushing and landscaping.
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.	STP, MSW disposal Facility will be provided on site, we will develop landscape area. Garden NoC is attached as **Annexure 5.**
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.	Condition is noted. Drainage and Water NoC is attached as **Annexure 6**.
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.	Conditions are noted, all parking will be internalized and no public space shall be utilized.
VII.	PP to provide adequate electric charging points for electric vehicles (EVs).	Condition is noted. EV charging points have been proposed.

VIII.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agricultural Dept.	We will plant trees as per Local planning authority as they have set up a garden department to ensure compliance guidelines. Garden NoC is attached as **Annexure 5**.
IX.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Environment Management cell is prepared for implementation of the environmental safeguards.
X.	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. This cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes.	Separate funds have been allocated for implementation of environmental protection measures/EMP, copy of same is attached as **Annexure 7.**
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	Advertisement was published in Marathi and English Newspaper. The copy of same is attached as **Annexure 8.**
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.	A copy of the clearance letter is submitted to Municipal Corporation. Copy of same is attached as **Annexure 9.**
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. SO_2, NOx (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Condition is noted.
C) General EC Conditions: -		
I.	PP has to strictly abide by the conditions stipulated by SEAC & SEIAA.	We will 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.	'Consent for Establishment' is obtained from Maharashtra Pollution Control Board having Consent order No. Format1.0/CC/UAN No.0000214694/CE/2412002145 dated 28.12.2024. Copy of same is attached as **Annexure 10.**
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.	Condition is noted and agreed. We have obtained Environmental Clearance before starting construction for our Project, copy of EC attached as **Annexure 1A & 1B.**
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.	Yes, we are complying this. Previously submitted six monthly report acknowledgement copies are attached as **Annexure 11**.
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 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 have submitted Environmental Statement for financial year April 2024 to March 2025 having UAN no. -MPCB-ENVIRONMENT_STATEMENT-0000087199 dated 29.09.2025. Copy of same is attached as **Annexure 12.**
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.	Condition is noted.
VII.	This environmental clearance is issued subject to obtaining NOC from forestry & wild life angle including clearance does not necessarily implies that forestry & wild life as if applicable & wild life clearance granted to the project which will be considered separately on merit.	Condition is noted.

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.	Condition is noted.
5	The 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.	Condition is noted.
6	In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	Condition is noted.
7	**Validity of Environment Clearance:** The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended from time to time.	Condition is noted. Validity of Environment Clearance as per Latest OM, S.O. No. 1807(E) dated 12/04/2022 is for 10 years.
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.	Condition is noted.
9	Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western zone Bench, Pune), New Administrative Building, 1st Floor, D-Wing, Opposite council Hall, Pune, if preferred, within 30 days as prescribed, within 30 days as prescribed under section 16 of the National Green Tribunal, Act, 2010.	Condition is noted.

Section 5: Monitoring and Analysis

Monitoring of Air quality, Water quality, Soil quality, Noise level at construction site. Monitoring was done and samples were collected as per standard norms. All samples were analyzed in NABL accredited laboratory as per CPCB guidelines. The details of sampling parameters were given in following table.

Sr. No.	Environmental Components	Monitoring Parameters
1	Air	PM_{10}, $PM_{2.5}$, SO_2, NO_2, O_3, Pb, CO, NH_3, C_6H_6, Benzo (a) Pyrene – Particulate Phase only, As, Ni
2	Drinking Water	Colour, Odour, Taste, Turbidity, pH, TDS, Total Alkalinity, Total Hardness, Ca, Mg, Cl^-, SO_4, NO_3, Fe, Mn, F, Pb, Cu, Zn, Cr^{6+}, Residual Chlorine, Al, Cd
3	Noise	Leq
4	Soil	pH, Electrical Conductivity, Total Nitrogen as N, Phosphate as P, Potasium as K, Exchangeable Calcium as Ca, Exchangeable Magnesium as Mg, Exchangeable Sodium as Na, Organic Matter, Texture
5	Treated Water	PH, BOD, Total Suspended Solids, COD, Oil and Grease.

Monitoring results are attached as **Annexure 2** which indicates that parameters of all environmental components are within standard limit and there is no pollution at site.

महाराष्ट्र MAHARASHTRA ◐ 2022 ◐ 40AA 854827

बंधपत्र/प्रतिज्ञापत्र/बँक कामी
मुद्रांकाचा वापर AFFIDAVIT
जे. एच. गांधी ४८५, सेंटर स्ट्रीट, पुणे-१.
र.नं. ५४२१> किंमत १००/- रु.
नांव Kumar Prop & Dev
पत्ता
हस्ते Sagar

ला.न. २२०११२७ स्टॅम्प व्हेंडर

15 MAR 2023

मुद्रांक कोषागार अधिकारी
03 MAR 2023
प्रथम मुद्रांक विक्रेता
कोषागार

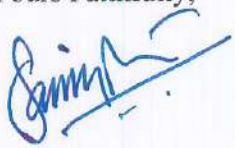
UNDERTAKING FOR TREE PLANTATION

We, Kumar Properties and Developers LLP developing a Residential project at S. no. 47/1 +48/C/2 + 48/C/3 + 48/C/4, Village: Mundhwa, Taluka: Haveli, Pune, Maharashtra , hereby declare that

We will plant & maintain 1181 nos. of compensatory trees for seven years at the locations allocated by Pune Municipal Corporation.

Thanking you

Yours Faithfully,



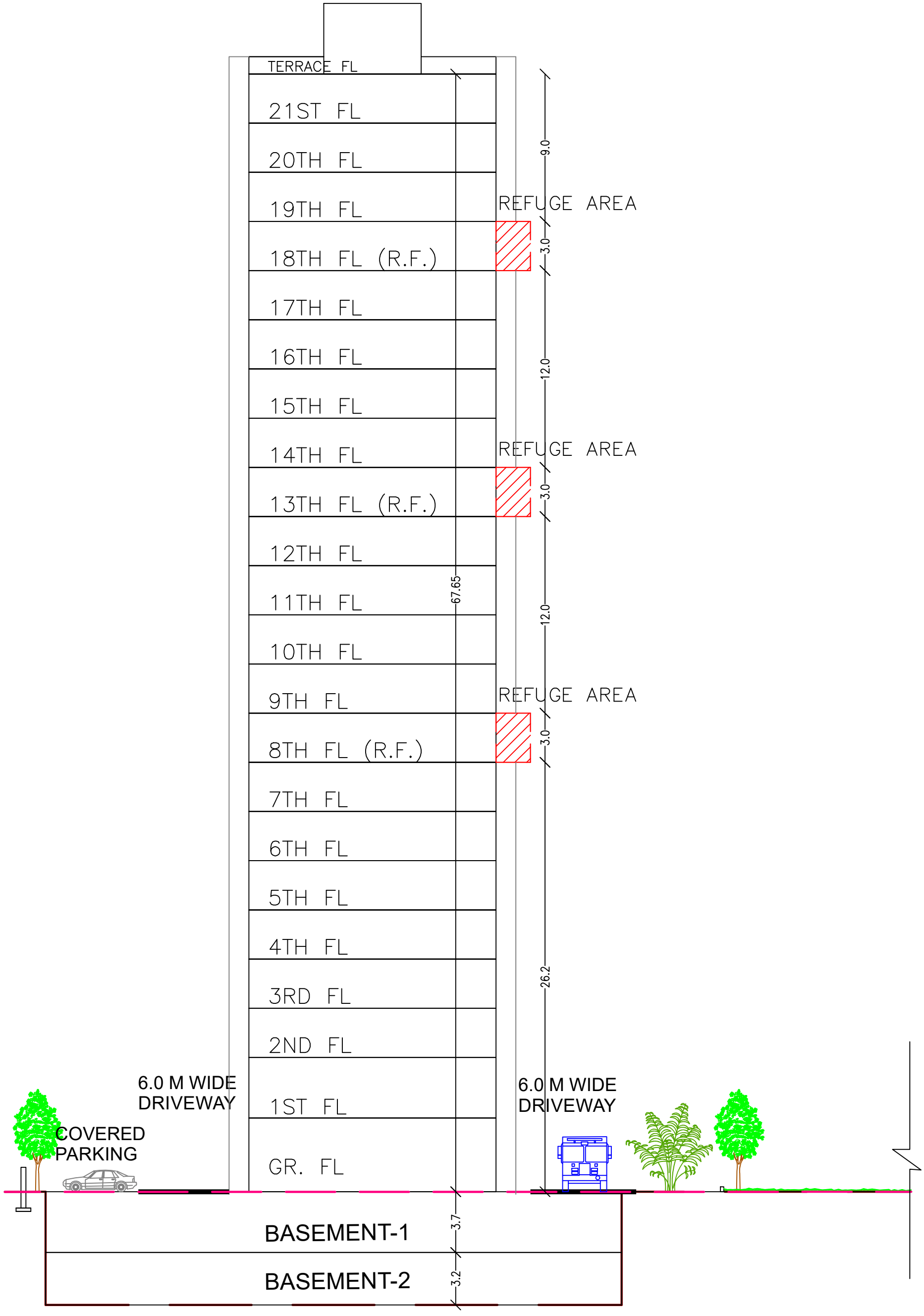
Samir Patil

Manager Sustainable Development

Kumar Properties and Developers LLP

Date: 15/03/2023

BLDG-B WING-B



SECTION 1-1

SCALE 1:500

Office of the Chief Fire Officer
Pune Municipal Corporation
Out W.No : FB/ 2142
Date : 17/08/2022

(MDW / 0014 / 18)

To,
JAGADISH DESHPANDE ARCHITECT,
1232, APTE ROAD, PUNE.

Sub:- Re-Revised Provisional Fire NOC for proposed buildingS at S.No. 47/1 + 48/C/2 +48/C/3 + 48/C/4, Mundhawa,Pune. (For Building A, Building B (wing A) & **Building C**(Mhada) Only)

Ref :- Your Office letter Dt.14.07.2022

Sir,

As per your request, visited the proposed site along with your representative Mr. Suresh Shelke on Dt.26.07.2022 and discussed with him regarding the fire protection system to be installed in the proposed building.

1. Construction of the building is in progress & Motorable road is available for proposed site.
2. Buildings will be use for residential purpose only.

Building Name	Staircases	Lifts	Parking	Built up area (in Sq.Mtrs)	Height (Mtrs.)
Buildings A	02	04 (1 stretcher lift)	Basement 1,2 & Ground floor	17031.98	69.95
Building B (Wing A)	02	03 (1 stretcher lift)	Basement & Ground floor	9388.94	69.95
Buildings C (LIG/MIG Mhada)	02	02 (1 stretcher lift)	Basement & Ground floor	4177.71	57.95

3. Fire protection premium is paid by challan No.1) CE/BP/36806/18, Dt. 16.03.2019, Rs.92,800/-
   2) CE/BP/9681/19, Dt. 16.08.2019, Rs.26,81,700/-
   3) 41773, Dt. 02.08.2022, Rs.29,09,200/-
4. Fire infrastructure charges are paid by challan no. CE/BP/9681/19, Dt. 16.08.2019, Rs.55,73,830/-
5. Fire service fees and Annual fees is paid by challan No.1) CE/BP/36806/18, Dt. 16.03.2019, Rs.25,250/-
   2) CE/BP/9681/19, Dt. 16.08.2019, Rs.2,19,370/-
   3) 41774, Dt. 02.08.2022, Rs.11,11,200/-
6. The plot area is 22900.00 Sq. Mtrs. and total built up area will be 30598.63 Sq. Mtrs. as per plans submitted to this office.
7. Marginal Distance & the drive way around the buildings for easy mobility of fire departments' vehicles during fire fighting & rescue operations from the refuge area of the buildings, should be provided as per guidelines of 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 the building :

1 The plans of the proposed building should be approved by the competent authority of Pune Municipal Corporation.
2 The building completion certificate & drainage completion certificate should be obtained from Building Department of P.M.C. The completion certificate shall be issued subject to "Final No-Objection Certificate" from this department.
3 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 National Building code of India 2016,. 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.

..2/-

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")

..3/-

4.

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. **<u>Improved Emergency Response:</u>**

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.

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- Developing and implementing codes and protocols for ensuring effective and uninterrupted operation of the command and control systems in large-scale building emergencies.
- 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

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 2 hrs. fire resistance wall and 1 hrs. fire resistance doors. The staircase provided in high rise residential building should be pressurized and provided with self closing fire doors of 2 hours fire resistance.

(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.

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(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 20000 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 may be provided near by the Refuge area for easy evacuation of occupants in case of emergency.

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

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

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

(27) Strom water management 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. It should be situated on ground floor outside the building line.

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

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

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

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

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

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Standard Specifications and Regulations to be followed:

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.

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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.

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12. The width of the staircase should be maintained as per UDCPR-2020 & NBC 2016 for all staircases. Fire 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.

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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.

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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.

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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.

..12/-

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 be maintain 3×4 Mtrs.
2. De watering arrangement should be made in the basement. Separate 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 2016.
5. The staircase should have at least two 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 PROVISIONS : 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.

..13/-

The provisions for fire fighting & life safety purpose should be provided for the each buildings Only.

Sr. No	Protection	Requirements	Provision	Remarks
01	Fire Extinguishers for A.B.C. class of fires	Required	As per IS 2190	At strategic Location
02	Hose Reel Hose with jet & spray multipurpose nozzle	Required near fire staircase.	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.
04	Wet Riser cum down comer	Required	"C" class ISI marked – 6" dia. Pipeline of Zenith / Jindal / TATA / Surya / APL Apollo / Siddhartha /Bhushan make	
05	Automatic Sprinkler System	Required at basements floors, all entire floors including corridors, lobbies & passages of the each building.	Confirming to IS:15105:2002	Distance should be maintain 3×4 Mtrs. between sprinklers.
06	Manually Operated Fire Alarm System.	Required		On each floor near fire staircase
07	Automatic addressable Fire Detection & Alarm System with control panel	Required at all entire floors including corridors, lobbies & passages of the each building.	Confirming to IS:2189:1999 & IS:11360:1985 & 2175:1988	Addressable Fire alarm & detection system recommend
08	Terrace Tank	Required 20000 ltrs.for each building	Above all staircases on terrace floor for independent water supply to wet riser cum down comer.	
09	Underground Static Storage tank	Required 200000 ltrs. for each building fire fighting purpose only. (Capacity of the U.G.Water tank should be provided as per the guideline of N.B.C. 2016.)		
10	Fire pumps main Pumps on Underground water tank Booster Pumps On terrace level with stand by pump.	2 Nos. 2850 lpm Electrical driven 1 No. 2850 lpm Diesel driven 1 No. 180 lpm jockey pump electrical driven 1 No. 900 lpm electrical driven (pressure should be maintain at the farthest point of the building.) All Fire pumps (except jockey & booster pumps) should be provided with multi head – multi outlet system. **for Building A, Building B (wing A) only.** **Building C** (Mhada) as per NBC 2016 Pumping arrengment & U.G.Tank capacity should be provided as per NBC 2016.		Positive fire pump suction preferred Pumps of Kirloskar / Crompton / Mather & Platt makes
11	1.Fire Brigade Connection For Static Water Tank (with 4 way) 2.Hydrant Sprinkler Riser System (with 3 way) 3.External hydrant ring main (with 4 way)			Near the entry point of the building.
12	Fire Dampers in AC Ducts	Required	IS:655:1963 specifications for metal air ducts (Revised)	
13	Fire Lift	Required as per guidelines of National Building Code 2016.		
14	Refuge Area	Required	For Building as per UDCPR-2020	

..14/-

15	Fire Doors	Required at each floor to the fire staircase and front door of each office / room of each building.	Confirming to IS: 3614 (Part-1)1966	2 hrs. Fire resistive types with panic bar from both the sides (Tested by Roorki or A.R.A.I.only)
16	Safety signs & Exit Signs	Florescent type	IS:12349:1988 & IS12407:1988	On all strategic locations
17	Compartmentation of floors	Required as per provisions of National Buiding Code 2016.		
18	Pressurization for fire escape staircases / Fire lift	Required		
19	Fire Resistance insulation or sealing of floor or compartment ducts.	Required for limiting the spread of heat & smoke		
20	Emergency Lights	Required		
21	PA System with talk Back Facility	Required		
22	Auto D.G. Backup	Required for all fire safety systems & fire lift		
23	Fire Resistance rating for Glass used for facade	Required if glass facade will be provided		
24	De watering system	Required at all basements of the each building.		

The other provisions laid in the UDCPR -2020 of PMC & National Building Code of India 2016- Part IV should be strictly followed.

Regular Training and Maintenance of these systems should be carried out by the housing society / builders. As per provisions made in Maharashtra Fire Prevention And Life Safety Act 2006, the necessary Fire Service Fees and Annual Fees should be paid to PMC before obtaining the Final Fire NOC. All other provisions of UDCPR-2020 & 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.

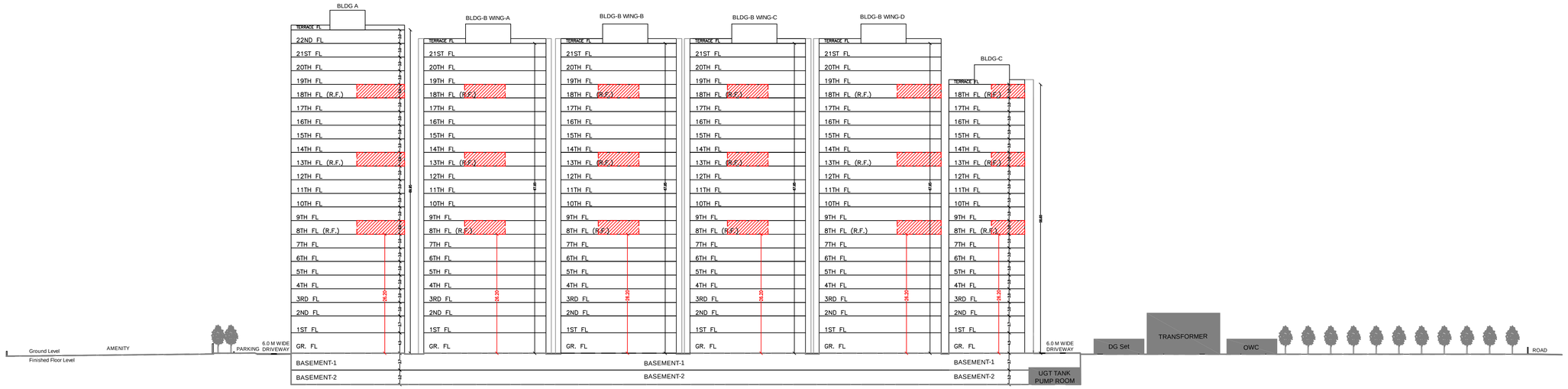
Note : The previous revised provisional fire NOC issued by this department vide NO. FB/2281, Dt. 27.08.2019 is deemed to be cancelled (For building wing A & C Only).

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

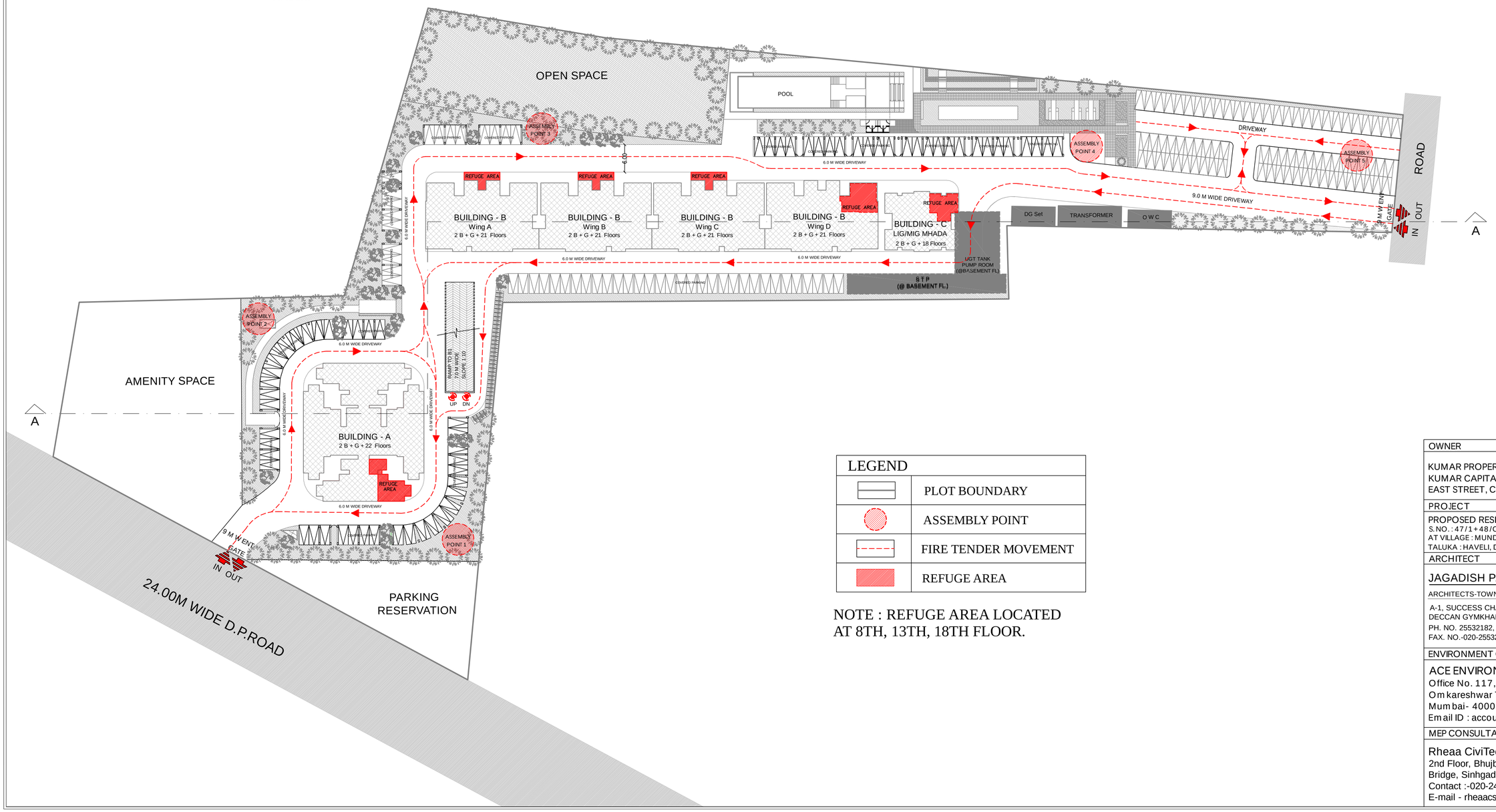
(Ganesh Sonune)
Chief Fire Officer
Pune Municipal Corporation

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

FIRE TENDER MOVEMENT LAYOUT



SECTION A-A
SCALE 1:500



LEGEND	
	PLOT BOUNDARY
	ASSEMBLY POINT
	FIRE TENDER MOVEMENT
	REFUGE AREA

NOTE : REFUGE AREA LOCATED AT 8TH, 13TH, 18TH FLOOR.

OWNER
KUMAR PROPERTIES AND DEVELOPERS LLP KUMAR CAPITAL,1ST FLOOR, 2413. EAST STREET, CAMP, PUNE : 411001
PROJECT
PROPOSED RESIDENTIAL PROJECT SITUATED AT S.NO.: 47/1+48/C/2+48/C/3+48/C/4 AT VILLAGE : MUNDHWA, TALUKA : HAVELI, DISTRICT : PUNE.
ARCHITECT
JAGADISH P. DESHPANDE ARCHITECTS-TOWN PLANNERS-INTERIOR DESIGNERS A-1, SUCCESS CHAMBERS, 1232 APTE ROAD, DECCAN GYMKHANA, PUNE 411004. PH. NO. 25532182, 25531141, FAX. NO.-020-25532325
ENVIRONMENT CONSULTANT
ACE ENVIRONMENT Office No. 117, 1st floor, Hari Om Plaza,Near Omkareshwar Temple, M.G. road, Borivali East, Mumbai- 400066 Email ID : accounts@aceenvironment.in
MEP CONSULTANT
Rheaa CiviTech Pvt Ltd 2nd Floor, Bhujbal House,47- Panmala, Dandekar Bridge, Sinhgad Road, Pune - 411030 Contact :-020-24330005/6 E-mail - rheaacs@gmail.com

Date: 28.04.23

To,

Member Secretary - SEIAA,

Room no. 217, Annex Building,

Mantralaya, Mumbai- 400032

Sub: Undertaking for not using drinking water for construction purpose.

For our Proposed Residential Project at S. no. 47/1 +48/C/2 + 48/C/3 + 48/C/4, Village: Mundhwa, Taluka: Haveli, Pune, Maharashtra, We hereby informed you that, we will not use drinking water for the proposed construction project.

Thanking you.

Yours Faithfully,

SAMIR SHAMKANT PATIL

Digitally signed by SAMIR SHAMKANT PATIL
DN: C=IN, O=Personal, Phone=7ed9daf709bcc5ab2ef51b140048cd067cf073eddcf998fa13182209715238dc, PostalCode=411058, S=Maharashtra, SERIALNUMBER=9eb20011f53a5e3b13e470348749089234l1c64640fa342223d877ddd2c5a793, CN=SAMIR SHAMKANT PATIL
Reason: I am the author of this document
Location: your signing location here
Date: 2023.04.28 15:09:02+05'30'
Foxit PDF Reader Version: 11.0.0

Kumar Properties and Developers LLP

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 Manager
KUMAR PROPERTIES AND DEVELOPERS LLP
Kumar Capital, 1st floor, 2413, East street, Camp, Pune -411001

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

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/MH/MIS/287916/2022 dated 09 Aug 2022. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC23B000MH178080**
2.	**File No.**	SIA/MH/MIS/287916/2022
3.	**Project Type**	Expansion
4.	**Category**	B2
5.	**Project/Activity including Schedule No.**	N/A
6.	**Name of Project**	Expansion in Residential Project at S. no. 47/1 + 48/C/2 + 48/C/3 + 48/C/4, village Mundhwa, Haveli, Pune, Maharashtra by Kumar Properties and Developers LLP
7.	**Name of Company/Organization**	KUMAR PROPERTIES AND DEVELOPERS LLP
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.

(e-signed)
Pravin C. Darade , I.A.S.
Member Secretary
SEIAA - (Maharashtra)

Date: 06/06/2023

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/287916/2022
Environment & Climate
Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s.Kumar Properties and Developers LLP,
S. no. 47/1 + 48/C/2 + 48/C/3 + 48/C/4,
Village Mundhwa, Haveli, Pune.

Subject : Environmental Clearance for Expansion in Residential Project at S. no. 47/1 + 48/C/2 + 48/C/3 + 48/C/4, village Mundhwa, Haveli, Pune, Maharashtra by M/s.Kumar Properties and Developers LLP

Reference : Application no. SIA/MH/MIS/287916/2022

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-3 in its 166th meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 260th (Day-1) meeting of State Level Environment Impact Assessment Authority (SEIAA) held on 02.05.2023.

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

1	Proposal Number	SIA/MH/MIS/287916/2022	
2	Name of Project	Expansion of Residential project	
3	Project category	8 (a), B2	
4	Type of Institution	Private	
5	Project Proponent	Name	Kumar Properties and Developers LLP
		Regd. Office address	Kumar Capital, 1st floor, 2413, East Street, Camp, Pune.
		Contact number	02067641644
		e-mail	moef16@kumarworld.com
6	Consultant	Sneha Hi-Tech Products NABET Accredited Certificate No. NABET/EIA/2124/RA0235 dated 05.04.2022	
7	Applied for	Expansion	
8	Details of previous EC	EC vide letter no. SEIAA-EC-0000001475 on 23.04.2019	
9	Location of the project	S. no. 47/1 +48/C/2 + 48/C/3 + 48/C/4, village Mundhwa, Haveli, Pune, Maharashtra	
10	Latitude and Longitude	Latitude: 18°31'33.24"N, Longitude: 73°55'50.32"E	
11	Total Plot Area (m2)	22,900.00	
12	Deductions (m2)	3,952.29	
13	Net Plot area (m2)	18,947.71	
14	Proposed FSI area (m2)	57,186.35	
15	Proposed non-FSI area (m2)	27,299.41	

16	Proposed TBUA (m2)			84,485.76				
17	TBUA (m2) approved by Planning Authority till date			In process				
18	Ground coverage (m2) & %			8,699.62 sq.m (46 %)				
19	Total Project Cost (Rs.)			Rs. 309.29 Cr.				
20	CER as per MoEF & CC circular dated 01/05/2018			NA, per Memorandum 22- 65/2017- IA- III dated 25th February 2021				
21	Det ails 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)		
	Building A	2B + P + 30 floors	89.90	Building A	2B + P + 22 floors	69.95		Decrease in 8 nos. of floors
	Building B	2B + P +30 floors	89.90	Building B (Wing A to D)	2B + P + 21 floors	67.65		4 wings added with decrease in 9 floors
	Building C	2B + P + 22 floors	66.70	Building C	2B + P + 18 floors	58.65		Decrease in 4 floors
23	Total number of tenements			Residential: 488 nos. Users: 2500 nos.				
24	Water Budget			Dry Season (CMD)		Wet Season (CMD)		
				Fresh Water	226 KLD	Fresh Water	226 KLD	
				Recycled (Flushing)	113 KLD	Recycled (Flushing)	113 KLD	
				Recycled (Gardening)	17 KLD	Recycled (Gardening)	0 KLD	
				Swimming Pool	--	Swimming Pool	--	
				Total	356 KLD	Total	339 KLD	
				Waste water generation	293 KLD	Waste water generation	293 KLD	
25	Water Storage Capacity for Firefighting / UGT (m3)			Fire tank		2 x 150 cum		
26	Source of water			PMC/treated water				
27	Rainwater Harvesting (RWH)			Level of the Ground water table:		13-15 m BGL average		
				Size and no of RWH tank(s) and Quantity:		Nil		
				Quantity and size of recharge pits:		7 nos. 1.2 m. X 1.2 m. X 3.00 m		
				Details of UGT tanks if any:		--		
28	Sew age and Wastewater			Sewage generation in CMD:		293 KLD		
				STP technology:		MBBR		
				Capacity of STP (CMD):		300 KLD		

29	Solid Waste Management during Construction Phase	Type	Quantity (kg/d)	Treatment / disposal
		Dry waste:	8.75	
		Wet waste:	3.75	
		Total waste	12.5	Handed over to local body
30	Solid Waste Management during Operation Phase	Type	Quantity (kg/d)	Treatment / disposal
		Dry waste:	450 kg/day	Handed over to Authorized Agency
		Wet waste:	300 kg/day	Treated in Organic Waste composting Unit
		Hazardous waste:	Negligible	
		Biomedical waste	biomedical waste like Mask, Gloves, Face shields etc. (required for Pandemic situation)	Shall be segregated at designated place near Organic Waste Composter and shall be given to authorized vendor for management.
		E-Waste	1250 kg/year	Shall be handed over to Authorized recycler for further handling & disposal purpose.
		STP Sludge (dry)	45 kg/day	Used as manure for gardening
31	Green Belt Development	Total RG area (m2):		1899.95 sq.m.
		Existing trees on plot:		242 nos.
		Number of trees to be planted on site		389 nos. (Including Existing trees) + 1232 nos. of compensatory trees will be planted outside the project site
		Number of trees to be cut:		148 nos.
		Number of trees to be transplanted:		8 nos.
32	Power requirement:	Source of power supply:		MSEDCL
		During Construction Phase (Demand Load):		116.25 KVA
		During Operation phase (Connected load):		3690 KW
		During Operation phase (Demand load):		1897 KVA
		Transformer:		3 X 630 KVA & 1 x 315 KVA
		DG set:		1 x 500 KVA

<table>
<tr><td></td><td></td><td colspan="2">Fuel used:</td><td>HSD</td></tr>
<tr><td>33</td><td>Details of Energy saving</td><td colspan="3">Total energy savings: 19.20 %</td></tr>
<tr><td>34</td><td>Environmental Management plan budget during Construction phase</td><td colspan="3">Construction phase
<table>
<tr><td>Type</td><td>Details</td><td>Total Cost (Rs. Lakhs)</td></tr>
<tr><td>Capital Cost (Rs. Lakhs)</td><td>Site Barricading, Personal Protective Equipment, Site Sanitation- Mobile toilets & Debris Management</td><td>0.78</td></tr>
<tr><td rowspan="5">O & M Cost (Rs. Lakhs per annum)</td><td>Water for Dust Suppression</td><td>0.14</td></tr>
<tr><td>Site Sanitation , Disinfection & Safety</td><td>3.02</td></tr>
<tr><td>Environmental Monitoring</td><td>2.0</td></tr>
<tr><td>Health Check up</td><td>0.72</td></tr>
<tr><td>Environment Management Cell</td><td>8.4</td></tr>
<tr><td></td><td>Total</td><td>14.28</td></tr>
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<tr><td>35</td><td>Environmental Management plan Budget during Operation phase</td><td colspan="3">
<table>
<tr><td>Component</td><td>Details</td><td>Capital (Lakh.)</td><td>O&M (Lakh)</td></tr>
<tr><td>Sewage treatment</td><td>STP Operation and its maintenance</td><td>88.35</td><td>13.25</td></tr>
<tr><td>RWH & Storm water</td><td>Recharging existing ground water table, SWD - Connection to external line</td><td>8</td><td>0.5</td></tr>
<tr><td>Solid Waste</td><td>Collection Segregation and management of MSW</td><td>12.75</td><td>3.17</td></tr>
<tr><td>Green belt development</td><td>Plantation of new trees and maintenance of existing trees</td><td>26.8</td><td>1.8</td></tr>
<tr><td>Energy saving</td><td>Energy saving measures</td><td>120.50</td><td>4.33</td></tr>
<tr><td>Environmental Monitoring</td><td>To monitor sustainability of Environmental Infrastructure</td><td>--</td><td>3.00</td></tr>
<tr><td>Environment Management Cell</td><td>--</td><td>-</td><td>6.48</td></tr>
<tr><td>Disaster Management</td><td>Emergency preparedness plan to develop and implement on site</td><td>206.23</td><td>25</td></tr>
<tr><td>Total</td><td></td><td>462.63</td><td>57.53</td></tr>
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</table>

36	Traffic Management	Type	Required as per DCR	Actual Provided	
		4-Wheeler	386	724	25-36
		2-Wheeler	1302	-	-
37	Details of Court cases/litigations w.r.t. the project and project location if any.	No			

Comparative statement for the project-

Sr. No	Description	Details as per EC received dated 23.04.2019	Proposed amendment	Remarks
1	Plot Number	S. no. 47/1 + 48/C/2 + 48/C/3 + 48/C/4	S. no. 47/1 + 48/C/2 + 48/C/3 + 48/C/4	No change
2	Total Plot Area (sq.m)	22,900.00	22,900.00	No change
3	Deductions (sq.m)	5,847.06	3,952.29	Different representation in previous EC , previous area excluding Open space
4	Net Plot Area (sq.m)	17,052.94	18,947.71	
5	Proposed FSI (sq.m)	46,081.41	57,186.35	Increased by 11,104.94 sq.m
6	Non FSI Area (sq.m)	30,986.31	27,299.41	Decreased by 3,686.9 sq.m
7	Total Construction Area (sq.m)	77,067.72	84,485.76	Increased by 7,418.04 sq.m
8	Building Configuration	Total no. of buildings: 3	Total no. of buildings: 3	
		Bldg A : 2B + P + 30 floors	Bldg A: 2B + P + 22 floors	Decrease in 8 nos. of floors
		Bldg B: 2B + P +30 floors	Bldg B (Wing A to D): 2B + P + 21 floors	4 wings added with decrease in 9 floors
		Bldg C: 2B + P + 22 floors	Bldg C: 2B + P + 18 floors	Decrease in 4 floors
9	No. of tenements & shops	723 nos.	488 nos.	Decrease in tenements by 235 nos.
10	No. of expected users	3615 nos.	2500 nos.	Decrease in users by 1115 nos.
11	Domestic water (KLD)	325	226	Decreased by 99 KLD
12	Flushing water (KLD)	163	113	Decreased by 50 KLD
13	Landscaping water (KLD)	11	17	Increased by 6 KLD

14	Sewage Generation (KLD)	439	293	Decreased by 146 KLD
15	STP capacity (KLD)	440	300	Decreased by 140 KLD
16	Dry Waste (kg/day)	651	450	Decreased by 201 kg/day
17	Wet Waste (kg/day)	976	300	Decreased by 676 kg/day
18	Parking			
	Cars	691 nos.	724 nos.	Increase in car parks by 33 nos.
19	Total Connected Load	1698 KW	3690 kW	As per requirement
20	Total Demand Load	1358 KW	1897 kVA	
21	DG set provision	1 X 500 kVA	1 X 500 kVA	No change
22	RG Area (sq.m)	1894.77	1899.95	As per requirement
23	Total no. of trees	237 nos.	389 nos.	Increased by 152 nos.
24	Project Cost	Rs. 116 Cr	Rs. 309.29	Increased

3. The proposal has been considered by SEIAA in its 260th (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. It is noted that 1384 trees will be planted outside the project site, PP to submit the undertaking for maintenance of the same for the period of 7 years or project completion whichever is later.
2. It is noted that, the planning is not compatible with respect to fire tender movement. PP to submit the provisional fire NoC along with cross section.
3. PP to provide electric charging facility by providing charging points at suitable places as per Maharashtra Electric Vehicle Policy,2021.
4. PP to ensure that, the water proposed to be used 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- 57,186.35 m2, Non FSI- 27,299.40 m2, Total BUA- 84,485.75 m2. (Plan approval No-, Zone 4/3658 dtd 13.03.2023)

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.

Signature Not Verified
Digitally signed by Shri Pravin C. Darade , I.A.S.
Member Secretary
Date: 6/6/2023 2:06:56 PM

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

सत्यमेव जयते

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:April 23, 2019

To,
Kumar Properties and Developers LLP
at S. no. 47/1 + 48/C/2 + 48/C/3 + 48/C/4

Subject: Environment Clearance for Proposed Residential project at S. no. 47/1 + 48/C/2 + 48/C/3 + 48/C/4 Mundhwa, Pune

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-III, Maharashtra in its 83rd meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 164th meetings.

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

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

1.Name of Project	Residential project
2.Type of institution	Private
3.Name of Project Proponent	Kumar Properties and Developers LLP
4.Name of Consultant	Dr. Prashant Banne 'Sneha Hi-Tech Products'
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. no. 47/1 + 48/C/2 + 48/C/3 + 48/C/4
9.Taluka	Haveli
10.Village	Mundhwa
Correspondence Name:	Kumar Properties and Developers LLP
Room Number:	--
Floor:	1st Floor
Building Name:	Kumar Capital
Road/Street Name:	2413, East street
Locality:	Camp
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Plan not yet approved
	IOD/IOA/Concession/Plan Approval Number: Not available
	Approved Built-up Area: 47369.27
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	22,900 sq.m
16.Deductions	5,847.06 sq.m
17.Net Plot area	17,052.94 sq.m

18 (a).Proposed Built-up Area (FSI & Non-FSI)	**FSI area (sq. m.):** 46,081.41 sq.m
	Non FSI area (sq. m.): 30,986.31 sq.m.
	Total BUA area (sq. m.): 77067.72
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** -
	Approved Non FSI area (sq. m.): -
	Date of Approval: 30-01-2019
19.Total ground coverage (m2)	8525 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	45%
21.Estimated cost of the project	1160000000

22.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

23.Total Water Requirement

Dry season:	**Source of water**	PMC / Recycled water
	Fresh water (CMD):	325 m3/day
	Recycled water - Flushing (CMD):	163 m3/day
	Recycled water - Gardening (CMD):	11 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	499 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	20 m3 per building
	Excess treated water	243 m3/day
Wet season:	**Source of water**	PMC / Recycled water
	Fresh water (CMD):	325 m3/day
	Recycled water - Flushing (CMD):	163 m3/day
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	488 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	20 m3 per building
	Excess treated water	254 m3/day
Details of Swimming pool (If any)	NA	

24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

25.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	27 m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	4 nos.
	Size of recharge pits :	1.2 m x 1.2 m x 3 m (d)
	Budgetary allocation (Capital cost) :	Rs. 7 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1 Lakh/year
	Details of UGT tanks if any :	Domestic UGT capacity: 488 m3 Flushing UGT capacity: 244 m3 Fire UGT capacity: 200 m3
26.Storm water drainage	**Natural water drainage pattern:**	Towards East side of the project site
	Quantity of storm water:	0.3812 Cum/Sec
	Size of SWD:	450 mm X 400 mm
27.Sewage and Waste water	**Sewage generation in KLD:**	439
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. and capacity of STP is 440 KLD
	Location & area of the STP:	South east corner of C building
	Budgetary allocation (Capital cost):	Rs. 75 Lakh
	Budgetary allocation (O & M cost):	Rs. 12 Lakh/year

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste will be generated from the building, mainly comprising of waste concrete, excavated soil, broken bricks, waste plaster, metallic scrap etc. Debris chute will be used to channelize the waste from the building to the point of pick up on ground.
	Disposal of the construction waste debris:	Construction debris will be used for base preparation of road and for site leveling.
Waste generation in the operation Phase:	**Dry waste:**	651 kg/day
	Wet waste:	976 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	9 kg/day (Dry sludge)
	Others if any:	E waste- 1807 kg/year
Mode of Disposal of waste:	**Dry waste:**	Handed over to agency for further handling & disposal purpose
	Wet waste:	Through Organic waste converter machine
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for gardening
	Others if any:	Handed over to authorized recycler for further handling & disposal purpose
Area requirement:	**Location(s):**	On ground and East side of C building
	Area for the storage of waste & other material:	15 sq.m.
	Area for machinery:	60 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 25.75 Lakh
	O & M cost:	Rs. 5.38 Lakh/year

29.Effluent Charecterestics					
Serial Number	**Parameters**	**Unit**	**Inlet Effluent Charecterestics**	**Outlet Effluent Charecterestics**	**Effluent discharge standards (MPCB)**
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

30.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

31.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
Source of Fuel		Not applicable		
Mode of Transportation of fuel to site		Not applicable		

33.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	116 KVA
	DG set as Power back-up during construction phase	150 KVA
	During Operation phase (Connected load):	1698 KW
	During Operation phase (Demand load):	1358 KW
	Transformer:	630 KVA x 3 nos. and 315 KVA x 1 no.
	DG set as Power back-up during operation phase:	500 kVA x 1 no.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

34.Energy saving by non-conventional method:

1. Energy Saved by Modern Energy efficient LED against Conventional CFL: 34393.35 KWH
2. Energy saving using Low Loss Transformer Against Conventional Transformer: 13140 KWH
3. Energy Saved by Solar Water Heating vs Electric Water Heating: 397650.00 KWH
4. Energy Saved by Solar PV: 43200.00 KWH
5. Energy Saved by Automatic Timer logic controller for lighting Control Against No timer Control: 27051.71 KWH
6.Energy Saved by Using VFD for Lift against convensional drive: 122640.00 KWH

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saved by Modern Energy efficient LED against Conventional CFL	34.09%
2	Energy saving using Low Loss Transformer Against Conventional Transformer:	5.00 %
3	Energy Saved by Solar Water Heating vs Electric Water Heating	75.34%
4	Energy Saved by Solar PV	2.21%

5	Energy Saved by Automatic Timer logic controller for lighting Control Against No timer Control:	41.88%
6	Energy Saved by Using VFD for Lift against convensional drive	20.00%

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 94.16 Lakh
	O & M cost:	Rs. 5.29 Lakh/year

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water For Dust Suppression	Sprinklers system	1.50
2	Site Sanitation & Safety	Mobile toilets, fumigation, Personal protective equipments	4.00
3	Environmental Monitoring	Air, noise, water & soil	1.50
4	Health Check Up	Hospital	2.00
5	Environment Management cell	Formation of cell	5.40

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	1 no. of STP	75	12
2	Rain Water Harvesting	4 nos. of recharge pits	7	1
3	Solid Waste Management	OWC to treat wet waste	25.75	5.38
4	Landscape	Landscape development	19.56	1.50
5	Energy	Solar water heating Systems & energy efficient measures	94.16	5.19
6	Environment Management Cell	Comprising of society & technical staff	NA	4.80

39.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Any Other Information

No Information Available

	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a), B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	28-11-2018

3. The proposal has been considered by SEIAA in its 164th 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:

I	1. PP to incorporate asset creation activities in CER.
II	2. PP to submit following NOCs : (a) Water supply, (b) CFO, (c) Garden NOC.
III	3. PP informed that they have submitted plan to PMC for approval, however the same will be routed through process of PMAY, after which approval will be received. PP to expedite the same.
IV	4. PP to submit details of STP.
V	PP to submit revised CER by replacing activity of hyacinth removal from river with other asset creation activity like provision of solar lights etc.
VI	PP to submit Disaster management Plan.
VII	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.
VIII	PP to upload revised calculations of evacuation time as presently it shown 25 min.
IX	SEIAA decided to grant EC for: FSI: 46081.41 m2, Non FSI: 30986.31 m2 & Total BUA:77067.72 m2. (IOD no. CC/3448/18 DPO/Zone No.4 Approval Date- 04.02.2019)

General Conditions:

I	E-waste shall bedisposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
II	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.
III	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.
IV	PP has to abide by the conditions stipulated by SEAC& SEIAA.
V	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
VI	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.
VII	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
VIII	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.
IX	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.

X	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
XI	Arrangement shall be made that waste water and storm water do not get mixed.
XII	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
XIII	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
XIV	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
XV	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.
XVI	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
XVII	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.
XVIII	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.
XIX	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
XX	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
XXI	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.
XXII	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).
XXIII	Ready mixed concrete must be used in building construction.
XXIV	Storm water control and its re-use as per CGWB and BIS standards for various applications.
XXV	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
XXVI	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
XXVII	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated affluent, if any should be discharge in the sewer line.Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated affluent, if any should be discharge in the sewer line.Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
XXVIII	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.
XXIX	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
XXX	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.
XXXI	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
XXXII	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
XXXIII	Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.
XXXIV	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
XXXV	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
XXXVI	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.

XXXVII	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
XXXVIII	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
XXXIX	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.
XL	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.
XLI	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.
XLII	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.
XLIII	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.
XLIV	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
XLV	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
XLVI	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
XLVII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XLVIII	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
XLIX	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.
L	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.
LI	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.
LII	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.
LIII	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.
LIV	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

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

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

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

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

10. Any appeal against this 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.

Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. MUNICIPAL COMMISSIONER PUNE
10. MUNICIPAL COMMISSIONER SATARA
11. REGIONAL OFFICE MPCB PUNE
12. REGIONAL OFFICE MIDC PUNE
13. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
14. COLLECTOR OFFICE PUNE
15. COLLECTOR OFFICE SATARA
16. COLLECTOR OFFICE SOLAPUR

Report No:- GCI/V/LAB/EM-SP/25-26/Nov/1096 **Date: 17.11.2025**

ANALYSIS REPORT

Client details		Sample Details	
Name	Residential Project by Kumar Properties and Developers LLP	**Sample Code**	GCI/25/K9/AA1
Address	S.NO.47/1+ 48/C/2+ 48/C/3+ 48/C/4 Mundhwa, Pune. Maharashtra	**Location**	NEAR SECURITY GATE
		Date of Sampling	10.11.2025
Sampling Done By	Mr.Mukesh	**Date of Sample Received**	11.11.2025
Analysis Starts On	11.11.2025	**Sampling Instrument**	RDS, FPS
Analysis Completion On	15.11.2025	**Sampling Method**	IS 5182 : Part 5 : 1975

AMBIENT AIR ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1	Particulate Matter (PM_{10})	$\mu g/m^3$	79.63	100	IS 5182 : Part 23 : 2006
2	Particulate Matter ($PM_{2.5}$)	$\mu g/m^3$	50.33	60	NAAQS Guidelines
3	Sulphur dioxide (SO_2)	$\mu g/m^3$	23.13	80	IS 5182 : Part 2 : 2001
4	Oxides of Nitrogen (NO_X)	$\mu g/m^3$	28.97	80	IS 5182 : Part 6 : 2006
5	Carbon Monoxide CO	mg/m^3	0.74	2.0	IS 5182 : Part 10 : 1999
6	Ozone as O_3	$\mu g/m^3$	33.33	100	NAAQS Guidelines
7	Lead as Pb	$\mu g/m^3$	BDL (<0.1)	1.0	NAAQS Guidelines
8	Nickel as Ni	ng/m^3	BDL (<1)	20	NAAQS Guidelines
9	Arsenic as As	ng/m^3	BDL (<1)	6.0	NAAQS Guidelines
10	Ammonia as NH_3	$\mu g/m^3$	12.88	400	NAAQS Guidelines
11	Benzene , C_6H_6	$\mu g/m^3$	BDL (<0.01)	5.0	IS 5182 (Part 11):2006
12	Benzo (a) Pyrene	ng/m^3	BDL (<0.1)	1.0	Gas Chromatography

GREEN CIRCLE CONSULTANTS INDIA PVT LTD VADODARA

Authorized Signatory

CORP. OFFICE & R & D : Green Empire (Anupushpam), Above AXIS Bank, Nr. Yash Complex, Gotri Main Road, Vadodara - 390 021 (Gujarat), INDIA.
Cell: +91 9898246340 **Email:** info@greencircleinc.com **Website:** www.greencircleinc.com

Report No:- GCI/V/LAB/EM-SP/25-26/Nov/1096 **Date: 17.11.2025**

ANALYSIS REPORT

Client details		Sample Details	
Name	Residential Project by Kumar Properties and Developers LLP	**Sample Code**	GCI/25/K9/AA2
Address	S.NO.47/1+ 48/C/2+ 48/C/3+ 48/C/4 Mundhwa, Pune. Maharashtra	**Location**	SOUTHWEST CORNER OF SITE
		Date of Sampling	10.11.2025
Sampling Done By	Mr.Mukesh	**Date of Sample Received**	11.11.2025
Analysis Starts On	11.11.2025	**Sampling Instrument**	RDS, FPS
Analysis Completion On	15.11.2025	**Sampling Method**	IS 5182 : Part 5 : 1975

AMBIENT AIR ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1	Particulate Matter (PM_{10})	$\mu g/m^3$	81.33	100	IS 5182 : Part 23 : 2006
2	Particulate Matter ($PM_{2.5}$)	$\mu g/m^3$	51.03	60	NAAQS Guidelines
3	Sulphur dioxide (SO_2)	$\mu g/m^3$	23.73	80	IS 5182 : Part 2 : 2001
4	Oxides of Nitrogen (NO_X)	$\mu g/m^3$	31.18	80	IS 5182 : Part 6 : 2006
5	Carbon Monoxide CO	mg/m^3	0.81	2.0	IS 5182 : Part 10 : 1999
6	Ozone as O_3	$\mu g/m^3$	35.03	100	NAAQS Guidelines
7	Lead as Pb	$\mu g/m^3$	BDL (<0.1)	1.0	NAAQS Guidelines
8	Nickel as Ni	ng/m^3	BDL (<1)	20	NAAQS Guidelines
9	Arsenic as As	ng/m^3	BDL (<1)	6.0	NAAQS Guidelines
10	Ammonia as NH_3	$\mu g/m^3$	15.74	400	NAAQS Guidelines
11	Benzene , C_6H_6	$\mu g/m^3$	BDL (<0.01)	5.0	IS 5182 (Part 11):2006
12	Benzo (a) Pyrene	ng/m^3	BDL (<0.1)	1.0	Gas Chromatography

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Report No:- GCI/V/LAB/EM-SP/25-26/Nov/1096 **Date: 17.11.2025**

ANALYSIS REPORT

Client details		Sample Details	
Name	Residential Project by Kumar Properties and Developers LLP	**Sample Code**	GCI/25/K9/AA3
Address	S.NO.47/1+ 48/C/2+ 48/C/3+ 48/C/4 Mundhwa, Pune. Maharashtra	**Location**	NORTHEAST CORNER OF SITE
		Date of Sampling	10.11.2025
Sampling Done By	Mr.Mukesh	**Date of Sample Received**	11.11.2025
Analysis Starts On	11.11.2025	**Sampling Instrument**	RDS, FPS
Analysis Completion On	15.11.2025	**Sampling Method**	IS 5182 : Part 5 : 1975

AMBIENT AIR ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1.	Particulate Matter (PM_{10})	$\mu g/m^3$	78.43	100	IS 5182 : Part 23 : 2006
2.	Particulate Matter ($PM_{2.5}$)	$\mu g/m^3$	49.13	60	NAAQS Guidelines
3.	Sulphur dioxide (SO_2)	$\mu g/m^3$	22.73	80	IS 5182 : Part 2 : 2001
4.	Oxides of Nitrogen (NO_X)	$\mu g/m^3$	29.85	80	IS 5182 : Part 6 : 2006
5.	Carbon Monoxide CO	mg/m^3	0.79	2.0	IS 5182 : Part 10 : 1999
6.	Ozone as O_3	$\mu g/m^3$	32.13	100	NAAQS Guidelines
7.	Lead as Pb	$\mu g/m^3$	BDL (<0.1)	1.0	NAAQS Guidelines
8.	Nickel as Ni	ng/m^3	BDL (<1)	20	NAAQS Guidelines
9.	Arsenic as As	ng/m^3	BDL (<1)	6.0	NAAQS Guidelines
10.	Ammonia as NH_3	$\mu g/m^3$	14.54	400	NAAQS Guidelines
11.	Benzene , C_6H_6	$\mu g/m^3$	BDL (<0.01)	5.0	IS 5182 (Part 11):2006
12.	Benzo (a) Pyrene	ng/m^3	BDL (<0.1)	1.0	Gas Chromatography

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Report No:- GCI/V/LAB/EM-SP/25-26/Nov/1096 **Date: 17.11.2025**

ANALYSIS REPORT

Client Details			Sample Details	
Name	Residential Project by Kumar Properties and Developers LLP		**Sample Code**	GCI/25/K9/N1-N3
Address	S.NO.47/1+ 48/C/2+ 48/C/3+ 48/C/4 Mundhwa, Pune. Maharashtra		**Location**	As per table
			Quantity	NA
			Date of Measurement	10.11.2025
			Sampling Instrument	Sound Level Meter (HTC/SL-1352)
Measurement Done By		Mr.Mukesh	**Sampling Method**	HTC/SL-1352 Inst. Manual

NOISE MONITORING RESULTS

Sr. No.	Location Name	Units	Day Time		Night Time	
			Results	Permissible Limit	Results	Permissible Limit
1.	Near Security Gate	dB (A)	53.8	55	43.7	45
2.	Southwest Corner of the Site	dB (A)	50.1	55	40.5	45
3.	Northeast Corner of the Site	dB (A)	50.5	55	39.4	45

Limits: Maharashtra pollution Control Board has prescribed 55 dB (A) as an upper limit of noise level during day time and 45 dB (A) during night time for residential area.

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Report No:- GCI/V/LAB/EM-SP/25-26/Nov/1096 **Date: 17.11.2025**

ANALYSIS REPORT

Client Details			Sample Details	
Name	Residential Project by Kumar Properties and Developers LLP		**Sample Code**	GCI/25/K9/S1
Address	S.NO.47/1+ 48/C/2+ 48/C/3+ 48/C/4 Mundhwa, Pune. Maharashtra		**Location**	SOIL – Project site
			Quantity	2.0 kg
Sampling Done By		Mr.Mukesh	**Date of Sampling**	10.11.2025
Analysis Starts on		11.11.2025		
Analysis Completion On		15.11.2025	**Sample Received Date**	11.11.2025

SOIL ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	Test Procedure
1	pH (1:5 Soil Suspension)	-	7.4	IS 2720 (Part 26):1987
2	Electrical Conductivity (1:5 Soil Suspension)	mS/cm	0.51	EPA Method 9045
3	Total Nitrogen as N	mg/kg	63.81	Kjeldahl Method
4	Phosphate as P	mg/kg	65.63	Olsen Method
5	Potasium as K	mg/kg	23.51	EPA 3050 B
6	Exchangeable Calcium as Ca	meq/100g	20.51	EPA 3050 B
7	Exchangeable Magnesium as Mg	meq/100g	22.74	EPA3050 B
8	Exchangeable Sodium as Na	meq/100g	0.72	EPA3050 B
9	Organic Carbon	%	1.47	
10	Organic Matter	%	2.53	Walkey and Black Method
11	Texture	-	Clay Loam	Robinson Pipette Method

BDL =Below Detectable Limit **DL =Detectable Limit**

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Report No:- GCI/V/LAB/EM-SP/25-26/Nov/1096 **Date: 17.11.2025**

ANALYSIS REPORT

Client Details		Sample Details	
Name	Residential Project by Kumar Properties and Developers LLP	**Sample Code**	GCI/25/K9/DW1
Address	S.NO.47/1+ 48/C/2+ 48/C/3+ 48/C/4 Mundhwa, Pune. Maharashtra	**Location**	Municipal Water at Project Site
		Quantity	2000 ml
Sampling Done By	Mr.Mukesh	**Date of Sampling**	10.11.2025
Analysis Starts on	11.11.2025	**Sampling Method**	APHA 1060
Analysis Completion On	15.11.2025	**Sample Received Date**	11.11.2025

DRINKING WATER ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	Permissible Limit as per IS 10500-2012	Reference Method
1	Colour	Hazen	Nil	5	APHA 22nd EDITION
2	Odour	-	No Odour	Unobjectionable	APHA 22nd EDITION
3	Taste	-	Agreeable	Agreeable	APHA 22nd EDITION
4	Turbidity	NTU	BDL(<0.5)	1	IS : 3025 Part 10-1984 (Reaff: 2002)
5	pH at 25 °C	-	6.8	6.5-8.5	IS : 3025 Part 11- 1983 (Reaff:2002)
6	Total Dissolved Solids	mg/l	233.81	500	IS : 3025 Part 16-1984 (Reaff:2003)
7	Total Alkalinity as CaCO3	mg/l	120.72	200	IS : 3025 Part 23- 986(Reaff:2003)
8	Total Hardness as CaCO3	mg/l	192.72	200	IS : 3025 Part 21-2009
9	Calcium as Ca	mg/l	33.00	75	IS : 3025 Part 40-1991 (Reaff:2003)
10	Magnesium as Mg	mg/l	26.79	30	APHA 22nd EDITION-3500 Mg-B
11	Chloride as Cl-	mg/l	29.47	250	IS : 3025 Part 32-1988 (Reaff:2003)
12	Sulphate as SO4	mg/l	30.85	200	APHA 22nd EDN-4500- SO42- E
13	Nitrate as NO3	mg/l	35.09	45	APHA 22nd EDN -4500- NO3- B
14	Iron as Fe	mg/l	0.28	0.30	IS : 3025 Part 53-2003
15	Manganese as Mn	mg/l	BDL (<0.02)	0.10	APHA 22nd EDN -3500-Mn D
16	Fluoride as F	mg/l	0.77	1.00	APHA 22nd EDN -4500-F B&D
17	Lead as Pb	mg/l	BDL (<0.03)	0.05	IS:3025 Part 47 (Reaff:2003)
18	Copper as Cu	mg/l	BDL (<0.03)	0.05	IS:3025 Part 42 (Reaff:2003)
19	Zinc as Zn	mg/l	0.95	5.00	IS:3025 Part:49 (Reaff:2003)
20	Hexavalent Chromium as Cr^{6+}	mg/l	BDL (<0.03)	0.05	IS:3025 Part:37 (Reaff:2003)
21	Residual Free Chlorine as Cl2	mg/l	BDL (<0.10)	0.20	APHA 22nd EDN -4500-Cl B
22	Cadium as Cd	mg/l	BDL (<0.03)	0.003	IS:3025 Part 48(Reaff:2003)
23	Sodium as NA	mg/l	3.21	NS	IS:3025 Part 2: 2019
24	Potassium as K	mg/l	0.97	NS	IS:3025 Part 2: 2019
25	Aluminium	mg/l	BDL (<0.03)	0.03	IS:3025 Part:55 (Reaff:2003)

BDL =Below Detectable Limit

Authorized Signatory

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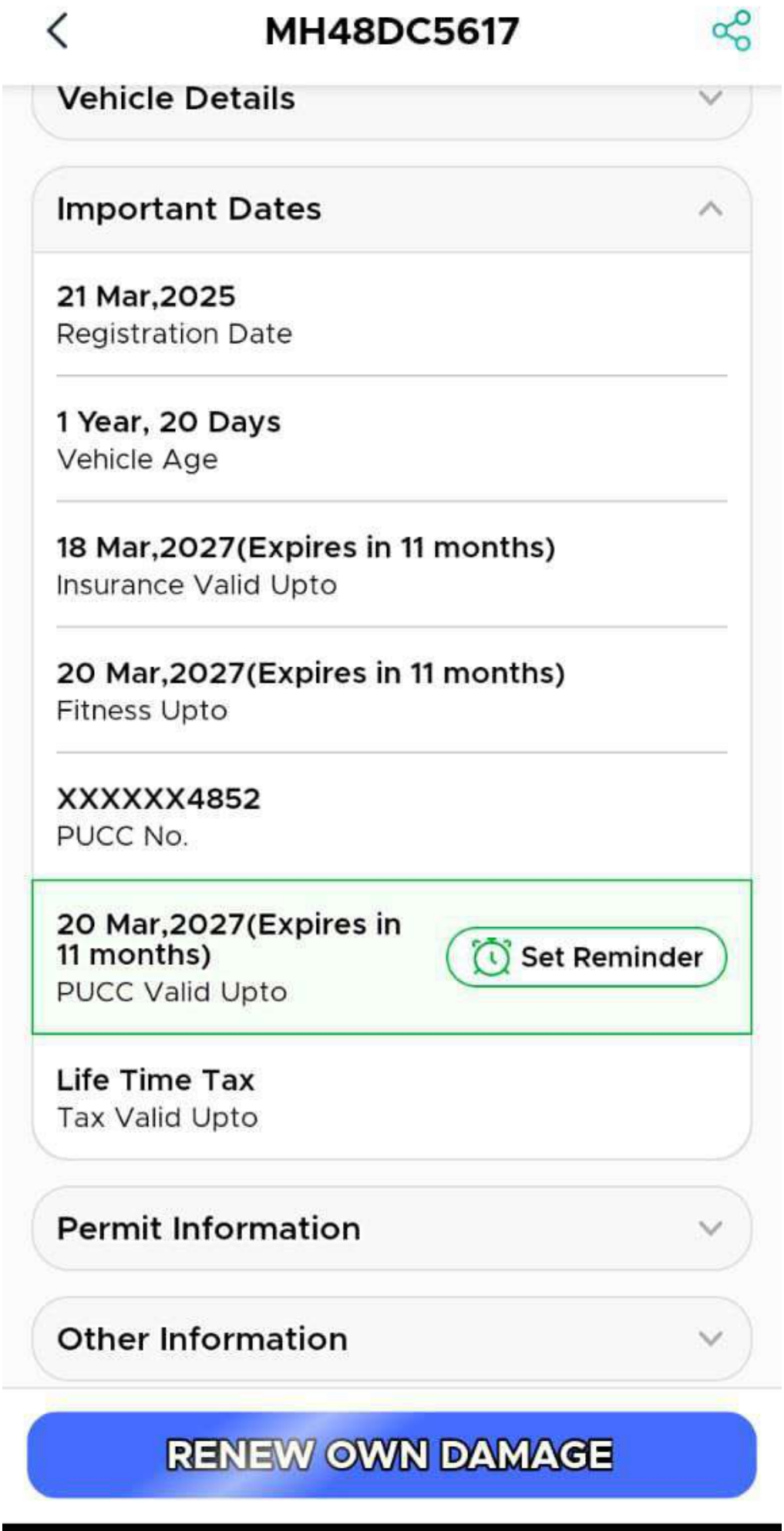

MH48DC5617
Vehicle Details
Important Dates
21 Mar,2025
Registration Date
1 Year, 20 Days
Vehicle Age
18 Mar,2027(Expires in 11 months)
Insurance Valid Upto
20 Mar,2027(Expires in 11 months)
Fitness Upto
XXXXXX4852
PUCC No.
20 Mar,2027(Expires in 11 months)
PUCC Valid Upto
Set Reminder
Life Time Tax
Tax Valid Upto
Permit Information
Other Information
RENEW OWN DAMAGE

SWACH
A higher level of self-reliance

Date: 13th Sep 2022

To,
Kumar Properties & Developers LLP
2413, 1st Floor, Kumar Capital, East Street, Camp, Pune - 411001

Sub:- Facilitating Solid Waste Management at your Commercial/Residential **Expansion in Residential Project** situated at S. No. 47/1 +48/C/2 +48/C/3+48/C/4, Village-Mundhwa, Taluka Haveli, Pune, Maharashtra.

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 & non-recyclables: **450Kg/Day, E Waste—1250Kg/Year)** from your registered project **Expansion in Residential Project** situated at S. No. 47/1 +48/C/2 +48/C/3+48/C/4, Village-Mundhwa, Taluka Haveli, Pune, Maharashtra. 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: 300Kg/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,

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

For **SWaCH Pune Seva Sahakari Sanstha Ltd**

Authorized Signatory

13th Sep 2022

महाराष्ट्र MAHARASHTRA ◑ 2022 ◑ BR 048081

19 AUG 2022

अनु.क्र. 15267 दि. रु.शु.रक्कम 500/-

दस्ताचा प्रकार Agreement

दस्त नोंदणी करणार आहेत का ? होय / नाही.

मिळकतीचे वर्णन

मुद्रांक विकत घेणाऱ्याचे नांव Kumar Properties Developers LLP.

पत्ता Camp Pune.

दुसऱ्या पक्षकाराचे नांव SWaCH Pune

इतर व्यक्तीचे नांव व पत्ता Jagdale

मुद्रांक विकत घेणाऱ्याची सही

जितेश हरकचंद गांधी
परवाना क्र. २२०१९२७
४८५, सेंटर स्ट्रीट,पुणे-४११००१

सह दुय्यम निबंधक कोषागार अधिकारी पुणे

12 AUG 2022

प्रथम मुद्रांक लिपीक कोषागार पुणे करिता

AGREEMENT

This Agreement ("Agreement") is entered into as on 12/09/2022

Between

Kumar Properties & Developers LLP a registered Partnership Firm having its registered office at Kumar Capital, 2413, East Street, Camp, Pune Maharashtra, (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 administrative 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**

SAMIR SHAMKANT PATIL

WHEREAS, the Developer/Party No.1 is developing/has developed a project under name and style of **"Expansion in Residential Project"** situated at **47/1 +48/C/2 +48/C/3+48/C/4, Village-Mundhwa, Taluka Haveli, Pune, Maharashtra**, (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 (Quantity- 450 Kg/Day, E waste – 104.16 Kg/Month) 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 from waste-pickers, before the cancellation of this contract, shall be settled in monetary terms with them forthwith.
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.

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

SAMIR SHAMKANT PATIL

Kumar Properties & Developers LLP. (Developer)

(Party No 1)

SWaCH Cooperative,

Through .....

(Party No. 2)

महापालिका सहा.आयुक्त कार्यालय
हडपसर मुंढवा क्षेत्रीय कार्यालय
पुणे महानगरपालिका
जा.क्रं.वृप्राजा/ ६१४
दिनांक - ७/५/१९

मा.उप अभियंता (बांधकाम परवाना विभाग)

विभागीय झोन क्र.४ पुणे महानगरपालिका

यांजकडे .....

विषय	**स.नं. ४७/१+४८/सी/२+४८/सी/३+४८/सी/४, मुंढवा, पुणे. येथील बांधकामास प्रोव्हिजनल दाखला देण्याबाबत.**
संदर्भ	१) महाराष्ट्र (नागरी क्षेत्र) झाडांचे संरक्षण व जतन अधिनियम,१९७५ २) महाराष्ट्र (नागरी क्षेत्र) वृक्ष संरक्षण व संवर्धन नियम,२००९ ३) मा.महापालिका आयुक्त जा.क्र.न अजा/२३३, दि.२६.११.२००७ रोजीचे कार्यालयीन परिपत्रक ४) **मेसर्स कुमार कंपनी तर्फे केवलकुमार जैन.** यांचा **आ.क्र. ८७, दि. ०४/०४/१९** रोजीचा अर्ज.

संदर्भ क्र.१ मधील कलम १९(क) व संदर्भ क्र.२ मधील अनुसुची –१ कलम ७ (एच) व संदर्भ क्र.३ ला अनुसरून खालील अटी व शर्तीस अधीन राहून, संदर्भ क्र.४ अन्वये केलेल्या अर्जानुसार विषयांकित मिळकतीस बांधकाम पुर्व ना हरकत प्रमाणपत्र देणेत येत आहे.

१) मिळकतीचे एकूण क्षेत्रफळ -२२९००.०० चौ.मी.

२) मिळकतीवरील अस्तित्वात असलेल्या एकूण वृक्षांची संख्या – २४२ (दोन शे बेचाळीस)

३) संदर्भ क्र.२ मधील अनुसूची–१ ,कलम ७ (एच) मधील प्रमाणकानुसार, वृक्षांची लागवड करताना, स्थानिक मृदू हवामान तसेच स्थानिक उपलब्ध वृक्षांच्या जाती विचारात घेऊन अनुरूप असलेल्या संवर्गातील वृक्षांची निवड करण्याची काळजी घ्यावी.

४) वृक्षांना शिंपणासाठी, लगतच्या वर्गीचासारख्या सार्वजनिक जागेत कूपनलिकांद्वारे प्राधान्याने पाणी उपलब्ध करावे. अशा स्थळांची योग्य निगा व सुव्यवस्था राखण्याच्या दृष्टीने अशा कूपनलिका किंवा विद्यमान कूपनलिकांचे पुनर्भरण संयुक्तीक वर्षा जलसंवर्धन यंत्रणेनुसार करावी.

५) नैसर्गिक आपत्तीमध्ये तग धरून राहण्याच्या दृष्टीने रस्त्याच्या कडेला वृक्षारोपण करताना ज्यांची मुळे खोलवर जाणारी असतील,अशा वृक्षांची निवड करावी.

६) लॅण्डस्केपच्या डिझाईनमध्ये लवचिकता अपेक्षित असली तरी प्रमाणकानुसार लागवड करावयाच्या वृक्षांच्या किमान संख्येबाबतची तरतूद कठोरपणाने पाळणे आवश्यक आहे.

७) रेखांकनात दर्शविलेल्या खुल्या जागांचे योग्य सपाटीकरण केल्यानंतर,त्यांवर योग्य अंतरावर व योग्य जागी वृक्ष लागवड करणेत यावी तसेच वृक्षांच्या संरक्षणासाठी योग्य ती खबरदारी घेण्यात यावी.

८) मिळकतीवर स्थानिक जातीच्या वृक्षांची लागवड करणेसाठी २ X २ फुट आकाराची जागा प्रत्येक ४ मी. अंतरावर सोडणे आवश्यक आहे व तशी जागा नकाशावर दाखविणे आवश्यक आहे.

९) वृक्ष पुर्ण काढणे /वृक्ष पुनर्रोपण करणेसाठी मा.वृक्ष प्राधिकरण समितीची पुर्व मान्यता घेणेची आवश्यकता आहे.

१०) सोबत जोडलेल्या नकाशाप्रमाणे अंतिम नकाशा मान्य करण्याच्या अटीवर वृक्ष प्राधिकरण विभागाकडील बांधकाम पुर्व ना हरकत पत्र देण्यात येत आहे.

मा. स. कळावे ,

पुणे महानगरपालिका
वृक्ष प्राधिकरण

8-5-19

महापालिका सहा. आयुक्त
तथा वृक्ष अधिकारी
हडपसर मुंढवा क्षेत्रीय कार्यालय
पुणे महानगरपालिका

प्रत :- **मेसर्स कुमार कंपनी तर्फे केवलकुमार जैन.**
कुमार कॅपिटल, २४१३, इस्ट स्ट्रीट,
कॅम्प, पुणे.

गोरे कॉ 2

कार्यकारी अभियंता कार्यालय
मलनि:सारण देखभाल व दुरुस्ती
पुणे महानगरपालिका
जावक क्र.:- ३२०८
दिनांक :- ८/४/२०२३

मे.मनिष विमलकुमार जैन तर्फे कुमार प्रॉपर्टीज अॅण्ड डेव्हलपर्स एल.एल.पी
२४१३, कुमार कॅपीटल, ईस्ट स्ट्रिट, कॅम्प,
पुणे-४११००१.

यांज.....

विषय : मौजे मुढंवा, पुणे, स.नं.४७/१+४८/सी/२+४८/सी/३+४८/सी/४, या मिळकती मधील नियोजित वाणिज्य बांधकामासाठी इनव्हायरमेंटल क्लियरन्ससाठी ड्रेनेज विभागाकडून प्रोव्हीजनल दाखला देणे बाबत.

संदर्भ :१) केंद्रीय पर्यावरण व वन मंत्रालय नवी दिल्ली यांचेकडील अधिसुचना दि.१४/०९/२००६
२) **मे.मनिष विमलकुमार जैन तर्फे कुमार प्रॉपर्टीज अॅण्ड डेव्हलपर्स एल.एल.पी** यांचा खात्याकडील प्रस्ताव आ.क्र.१६५७ दि.२०/०२/२०२३.
३) मा.अधिक्षक अभियंता, मलनि:सारण देखभाल दुरूस्ती विभाग यांची प्रशासकीय मान्यता ठ.क्र.मलनि/EC/५२/२०२३ दि.०८/०३/२०२३.

विषयांकित मिळकती साठी संदर्भ क्र.१ अन्वयेच्या अधिसुचनेनुसार मलनि:सारण देखभाल दुरूस्ती विभागाकडील इनव्हायरमेंटल क्लियरन्ससाठी प्रोव्हीजनल दाखला घेणे आवश्यक आहे. त्यानुसार विषयांकित मिळकतीकरीता इनव्हायरमेंटल क्लियरन्ससाठी ड्रेनेज विभागाकडून प्रोव्हीजनल दाखला मिळणेकरीता संदर्भ क्र.२ अन्वये **मे.मनिष विमलकुमार जैन तर्फे कुमार प्रॉपर्टीज अॅण्ड डेव्हलपर्स एल.एल.पी** यांनी प्रस्ताव दाखल केला असून प्रस्तावा सोबत प्रस्तावित बांधकाम नकाशे, एस.टी.पी कॅलक्युलेशन अहवाल, इत्यादी कागदपत्रे दाखल केलेली आहे. प्रस्तावाची छाननी केली असता त्यामध्ये खालील बाबी नमुद केलेल्या आहेत.

१	मिळकतीचे क्षेत्रफळ	- २२९००.०० चौ.मी.
२	बिलटप ऐरिया (एफ.एस्.आय + नॉन एफ.एस्.आय)	- ५७१८६.३५ चौ.मी+२७२९९.४१ चौ.मी. = ८४४८५.७६ चौ.मी.
३	इमारतीची संख्या	- इमारत-०३ A उंची -६९.९५ मी, B विंग- A,B,C,D उंची -६७.६५ मी, C उंची -५८.६५ मी,(LIG/MIG MHADA)
४	निवासी सदनिका संख्या	- ४८८
५	व्यापारी गाळे संख्या	- -
६	मान्य नकाशा प्रत	- -
७	जा.क्र.सी.सी. दि.	- -
८	आवश्यक पाणी पुरवठा	- निवासी वापराकरीता ३३७.५० KLD
९	तयार होणारे मैलापाणी	- निवासी वापराकरीता २९३.०० KLD
१०	सिवरेज टिंटमेंट प्लॅटची आवश्यक क्षमता	- निवासी वापराकरीता २९३.०० KLD
११	सिवरेज टिंटमेंट प्लॅटची प्रस्तावित क्षमता	- निवासी वापराकरीता ३०० KLD
१२	एस.टी.पी डिझाईन ची ड्राईंग्ज व अहवाल	- सोबत जोडला आहे.
१३	मंजूर/प्रस्तावित नकाशात एस.टी.पी दर्शविलेले आहे का? असल्यास मोजमापे	- लायसन्स आर्किटेक्ट यांनी सादर केलेल्या प्रस्तावित नकाशात दर्शविलेले आहेत.
१४	पाण्याचा पुर्णवापर करण्याच्या उपाययोजना	- गार्डन, फ्लशिंग व इत्यादी
१५	जागेवर एस.टी.पी. च्या अनुषंगाने सुरक्षेच्या दृष्टीने केलेल्या उपाय योजना	- नियोजित एस.टी.पी चे सुरक्षिततेच्या दृष्टीकोणातुन एस.टी.पी चे क्षेत्र लगतच्या बांधकामापासून स्वंतत्र ठेवण्यासाठी आवश्यक भिंत/गेट इ.बांधकाम करणे विकसकावर बंधनकारक राहील.

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

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

२) एकुण बांधकाम क्षेत्र (FSI+NON FSI) ८४४८५.७४ चौ.मी पर्यंत मर्यादीत ठेवावे तथापी अर्जदाराने सादर केलेल्या संकल्पनात्मक नकाशात कोणताही फेरबदल केल्यास अर्जदाराने सुधारीत अर्ज सादर करणे बंधनकारक राहिल.

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

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

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

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

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

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

९) निवासी वापराकरीता ३०० के.एल.डी प्रति दिन क्षमतेचा रहिवासी सांडपाणी प्रक्रिया यंत्रणा (Sewage Treatment Plent) बसवावा लागेल व सांडपाणी यंत्रणेमधून निघणाऱ्या गाळाची विल्हेवाट Centeral Public Helth And Environmental Engineering Organisation (C.P.H.B.EO.) च्या नियमावली प्रमाणे करावी लागेल.

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

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

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

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

१४) पर्यावरण अनुकूल असलेले बांधकाम साहित्य वापरावे लागेल.

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

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

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

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

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

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

तरी **मौजे मुढंवा, ता.हवेली, जि पुणे, स.नं.४७/१+४८/सी/२+४८/सी/३+४८/सी/४,** या मिळकती मधील नियोजित वाणिज्य बांधकामासाठी वरील क्र.१ ते २० या अटींवर इनव्हायरमेंटल क्लियरन्सकरीत ड्रेनेज विभागाकडून प्रोव्हीजनल दाखला संबधित विकसकास देणे करीता मा.अधिक्षक अभियंता, मलनि:सारण विभाग यांची ठ.क्र.मलनि/EC/५२/२०२३ दि.०८/०३/२०२३ अन्वये मान्यता मिळालेली असून त्यानुसार सदरचा दाखला आपणास देण्यात येत आहे.

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

पुणे महानगरपालिका

कार्यकारी अभियंता कार्यालय
लष्कर पाणीपुरवठा विभाग
पुणे महानगरपालिका
जावक क्र.:- 2912
दिनांक :- 13 MAR 2023

PROVISIONAL ENVIRONMENT CERTIFICATE

मे.कुमार प्रॉपर्टीज अॅण्ड डेव्हलपर्स एल.एल.पी.करिता श्री. मनिष विमलकुमार जैन,
२४१३, कुमार कॅपिटल,इस्ट स्ट्रीट ,
पुणे कॅम्प,
पुणे ४११००१.

विषय :- मौजे मुंढवा, ता.-हवेली,जिल्हा –पुणे येथील स.नं. ४७/१+४८/सी/२+४८/सी/३+४८/सी/४, मुंढवा , पुणे४११०३६ या मिळकतीवर होणाऱ्या गृह प्रकल्पासाठी पर्यावरण ना-हरकत प्रमाणपत्रासाठी पाणीपुरवठा विभागाचे अभिप्रायाबाबत.

संदर्भ :- १. कार्यकारी अभियंता कार्यालय, लष्कर पाणीपुरवठा विभाग, पुणे महानगरपालिका जा.क्र.१३६६ दि. २०/०९/२०२२ अन्वयेचा पर्यावरण ना- हरकत दाखला मिळणेबाबतचा अभिप्राय.
२. लष्कर पाणीपुरवठा विभागास प्राप्त झालेले पत्र आ.क्र.३७५४, दि. २१/०२/२०२३.

संदर्भ क्र. १ अन्वये लष्कर पाणीपुरवठा विभागामार्फत विषयांकित प्रकल्पाकरीता पर्यावरण ना- हरकत प्रमाणपत्र अभिप्राय देण्यात आलेला आहे. आता संदर्भ क्र.२ अन्वये विषयांकित प्रकल्पाकरिता सुधारित अभिप्राय मिळणे करीता प्रस्ताव दाखल झालेला आहे. तरी संदर्भ क्र. १ अन्वये दिलेला लष्कर पाणीपुरवठा विभागा मार्फतचा अभिप्राय रद्द समजून अर्जदार यांनी मागणी केलेल्या संदर्भ क्र.२ च्या अनुषंगाने सुधारित अभिप्राय खालील प्रमाणे.

संदर्भ क्र.२ चे पत्रान्वये विषयांकित नियोजित प्रकल्पास पर्यावरण ना हरकत प्रमाणपत्र मिळण्यासाठी पाणीपुरवठा विभागाचे प्राथमिक ना हरकत दाखल्याची मागणी केली आहे. सदर प्रकल्प एकूण २२९००.०० चौ.मी. क्षेत्रामध्ये प्रस्तावित केला असून सदर प्रकल्पामध्ये बिल्डींग – A.B.C साठी निवासी सदनिका ४८८ असे एकूण ५७१८६.३५ बिल्टअप एरिया असून त्यासाठी २२६ KLD प्रति दिवस पाणीपुरवठा विभागाचे प्राथमिक ना हरकत दाखला खालील १ ते १४ अटीवर देण्यात येत आहे.

१) विषयांकित मिळकतीवरील गृहप्रकल्पासाठी भोगवटा पत्राच्या प्रमाणात पाणीपुरवठा करण्याकरिता नळजोड प्रस्ताव सादर करावा लागेल.
२) विकासकामे स्वखर्चाने मनपाचे सूचनेनुसार जलवाहिनी विकसित करावी लागेल.
३) एस.टी.पी.बाबत स्वतंत्र माहिती खात्यास सादर करावी लागेल.
४) जागेवर बांधकाम चालू करण्यापूर्वी मिळकती मधील मनपाच्या नळ जोडावरील थकबाकी भरून घेऊन सदर नळजोड बंद केले जाईल .
५) इमारतीचे पिण्याचे पाणी, वापरायचे पाणी,फ्लशिंगचे पाणी इ.कारणासाठी स्वतंत्र व्यवस्था करणे आवश्यक.
६) सदर प्रकल्पाकरिता पाण्याच्या उपलब्धतेनुसार पुणे मनपाकडून होणारा पाणीपुरवठा वगळता जादा पाण्याची व्यवस्था विकासक यांस स्वतः च्या खर्चाने करावी लागेल.
७) अंतर्गत वापरण्यात येणाऱ्या फिटिंग्ज ५ लिटर्स प्रती मिनिटा पेक्षा कमी डिस्चार्ज असणाऱ्या आवश्यक.
८) सर्व कामे सक्षम कन्सल्टंट यांचे कडून डिझाईन करून त्यांचे सुपरव्हिजन अंतर्गत पूर्ण करणार.
९) व्यापारी पाणी वापरासाठी स्वतंत्र संपवेल.
१०) प्रवर्तकाचे तज्ञ सल्लागार यांनी प्रस्तावित प्रकल्पात बिल्डींग – A.B.C साठी निवासी सदनिका ४८८ असे एकूण ५७१८६.३५ बिल्टअप एरिया असून त्यासाठी २२६ KLD प्रति दिवस पाण्याची मागणी केली असून सध्यस्थितीत सदर ठिकाणी पुणे महानगरपालिकेचे पाणीपुरवठा नेटवर्क उपलब्ध असून तत्कालीन पाण्याच्या परिस्थिती नुसार मनपाकडील नियमांनुसार धोरणानुसार यापुढील कार्यवाही तत्कालीन वेळी निश्चित करण्यात येईल.
११) मिळकतीची ले आउट मान्य झाल्यानंतर काम चालू करण्याचा दाखला व ले आउट मान्यतेची प्रत खात्यास सादर करणार व वॉटर लाईन डेव्हलपमेंटचा फरक किंवा वॉटर लाईन शुल्क, मीटर ना हरकत प्रमाणपत्र मागण्यापुर्वी मनपा कोषागरात भरावा लागेल अथवा वॉटर लाईन डेव्हलपमेंट करावी लागेल.
१२) भोगवटा पत्र प्राप्त झाल्यानंतर व भोगवटा पत्राच्या प्रमाणात त्यावेळेच्या मान्य धोरणानुसार व नियमानुसार पाणीपुरवठा उपलब्ध केला जाईल.
१३) सदर प्रकरणी अपुऱ्या पाणीपुरवठ्याबाबत विकसक हे खात्याकडील सादर केलेल्या हमीपत्रास (नोटरी) कुमार प्रॉपर्टीज अॅण्ड डेव्हलपर्स एल.एल.पी. तर्फे श्री. केवलकुमार केसरीमल जैन यांचे नोटरी रजिस्टर अ,.क्र. ११५/२०२३ दि.१५/०२/२०२३ अधीन राहणार आहे.
१४) भविष्यात पाणीसाठा मनपा नियम, नैसर्गिक परिस्थिती व उपलब्ध पाणीसाठा यावर अवलंबून असेल.

कळावे.

कार्यकारी अभियंता
लष्कर पाणीपुरवठा विभाग
पुणे महानगरपालिका

Budgetary Allocation for Environmental Management Plan

Mundhwa

CONSTRUCTION PHASE

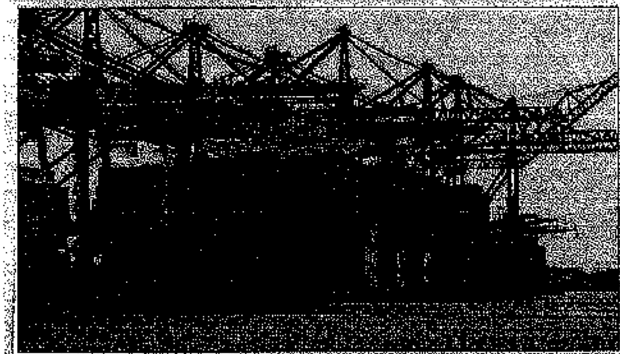
Construction phase		
Type	Details	Total Cost (Rs. Lakhs)
Capital Cost (Rs. Lakhs)	Site Barricading, Personal Protective Equipment, Site Sanitation-Mobile toilets & Debris Management	0.78
O & M Cost (Rs. Lakhs per annum)	Water for Dust Suppression	0.14
	Site Sanitation , Disinfection & Safety	3.02
	Environmental Monitoring	2.0
	Health Check up	0.72
	Environment Management Cell	8.4
	Total	14.28

OPERATION PHASE

Component	Details	Capital (Lakh.)	O&M (Lakh/Year)
Sewage treatment	STP Operation and its maintenance	88.35	13.25
RWH & Storm water	Recharging existing ground water table, SWD - Connection to external line	8	0.5
Solid Waste	Collection Segregation and management of MSW	12.75	3.17
Green belt development	Plantation of new trees and maintenance of existing trees	26.8	1.8
Energy saving	Energy saving measures	120.50	4.33
Environmental Monitoring	To monitor sustainability of Environmental Infrastructure	--	3.00
Environment Management Cell	--	-	6.48
Disaster Management	Emergency preparedness plan to develop and implement on site	206.23	25
Total		462.63	57.53

US Trade Deficit Widens in April on Exports Pullback

Exports fall by $9.2 b to $249 b in April, while imports edged up by $4.8 b



Washington: The US trade deficit grew in April on a pullback in exports, bringing the gap to its widest since October 2022, according to government data released on Wednesday.

Although the country's imports have been boosted by resilient consumer spending, analysts expect this trend to weaken as well going forward, while tighter lending conditions weigh on investments.

The anticipation is that trade could bring negative growth to gross domestic product in the second quarter of the year.

In April, the overall trade deficit was $74.6 billion, expanding slightly less than expected by $14 billion, according to Commerce Department data. Exports fell by $9.2 billion to $249 billion

ning in foreign trade will likely be "accompanied by a further drag from the inventory component, and a steep drop in investment in business equipment, making an outright drop in headline GDP more likely."

Slide in exports came on the back of a decrease in value of goods shipments, such as crude oil and fuel oil, along with some consumer goods

The slide in exports came on the back of a decrease in value of goods shipments, such as crude oil and fuel oil, along with some consumer goods. Imports of goods picked up with the support from auto vehicles and parts, as well as some industri-

"We have updated the Meta account overview to show more transparently how our services work together and give people more control over these features," a Meta spokesperson said. The company will continue to work constructively with the authority, the spokesperson added.

In 2019, the cartel office so-

may be needed to satisfy the German competition law.

Germany is keeping close watch over Meta after the regulator deemed it of "paramount significance for competition across markets", a classification which gives the regulator more leeway to curb digital companies' market power.

Reuters

China's Exports Fall May, Adding to Stim

Trade figures add to concerns about weakening recovery

Beijing: China's exports fell in May for the first time since February, data showed Wednesday, breaking a two-month growth streak as a post-Covid rebound faded and adding to speculation that officials will unveil fresh stimulus measures.

Rising global inflation, the threat of recession elsewhere and geopolitical tensions with the United States have weakened demand for Chinese products. That resulted in overseas shipments sinking 7.5% on-year last month, Customs figures showed, marking a sharp drop from an increase of 8.5% in April and much steeper than the 1.8% forecast in a Bloomerg survey.

China's exports grew in March and April, snapping a run of five straight declines, when production was disrupted by sweeping lockdowns and delays at ports when authorities enforced their strict zero-Covid policy. And the Chinese economy expanded by 4.5% in the first quarter of the year.

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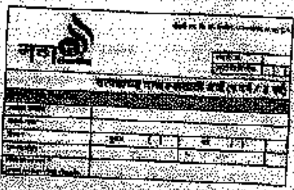
महाराष्ट्र टाइम्स PLANET CAMPUS उज्ज्वल भविष्यासाठी

विनासायास मिळणार दाख[ले]

'महसूल'तर्फे 'फिफो' प्रणालीचा अवलंब



पुणे : शाळा, कॉलेजच्या प्रवेशप्रक्रिया आता सुरू होतील. त्यामुळे दाखल्यांसाठी पालकांसह विद्यार्थ्यांची धावाधाव सुरू होईल. मात्र, यंदापासून दाखला मिळविण्यासाठी पालकांसह विद्यार्थ्यांची होणारी पिळवणूक थांबण्याची शक्यता आहे. त्यासाठी महसूल विभागाने 'फर्स्ट इन फर्स्ट आउट' (फिफो) या तंत्रज्ञानाचा अवलंब करण्यास सुरुवात केली असून, पहिल्या अर्जदाराला दाखला दिल्याशिवाय दुसऱ्याचा क्रमांक येणार नसल्याचे स्पष्ट करण्यात आले आहे.

उत्पन्नाच्या दाखल्यापासून ते जात प्रमाणपत्रापर्यंतच्या सर्व दाखल्यांसाठी 'आपले सरकार', 'महासेतू' याशिवाय अन्य सरकारी वेबसाइटवरून अर्ज करण्यात येतात. त्यानंतर तहसीलदार कार्यालयात हे अर्ज निकाली काढले जातात. अर्जदारांपैकी कोणाचा अर्ज पहिला निकाली काढावा, याचे [...] संबंधित अधिकाऱ्याला होते. [...] अर्ज आधी करूनही अनेकां[...] उशिरा मिळत होते. उशिरा अर्ज [...] वशिलेबाजी अथवा चिरीमिरीमु[ळे] विलंब लागत होता. परिस [...] एजंटगिरीही वाढली होती. [...] तहसीलदार कार्यालयात [...] केल्या जात होत्या. या सर्व [...] आता आळा बसणार असून, ओ[...] दाखले मिळविण्यासाठीची घु[...] थांबणार आहे, असा विश्वास [...] विभागाने व्यक्त केला.

> फिफो प्रणालीमुळे प्रथम येणाऱ्यास प्रथम प्राधान्य या तत्त्वावर अर्ज निकाली काढून दाखले मिळणार आहेत. त्यामुळे विद्यार्थी आणि पालकांनी दाखल्यांसाठी कोणतेही गैरमार्ग अवलंबू नयेत.
> – किरण सुरवसे, तहसीलदार, हवेली

कोणते दाखले मिळणार ?

'फिफो' प्रणालीद्वारे उ[त्पन्नाचा] दाखला, प्रतिज्ञापत्र, नॉन क्रीमि[लेअर], रहिवासी, जात प्रमाणपत्र, डोमि[साइल], ज्येष्ठ नागरिक प्रमाणपत्र आदी [...] १५ प्रकारच्या दाखले देण्यास [...] झाली आहे.

करिअर करायचंय? अनुभवी व्यक्ती गाठा

करिअरच्या वाटा

डॉ. श्रीराम गीत

इंजिनीअर आणि फार्मसी सोडून अनेक जण गेल्या दहा वर्षांत परदेशात जाऊ लागले आहेत. स्टेम म्हणजेच सायन्स, टेक्नॉलॉजी, इंजिनीअरिंग, मॅथेमॅटिक्स या क्षेत्रात संशोधनासाठी जाणाऱ्यांची संख्या वाढत आहे.

डॉक्टरेट करण्यासाठी उत्तम [...] समाजशास्त्र, राज्यशास्त्र किंवा आंतरराष्ट्रीय संबंध आणि कायदा विषयातील उच्च शिक्षणासाठी जाणाऱ्या विद्यार्थ्यांची संख्या हळूहळू वाढत आहे. सहसा इंजिनीअर आणि परदेशी कोणी सोपा पाहतील [...] असल्याने हा उल्लेख येथे करतो. अलीकडील नवीन क्षेत्रे म्हणजे

डिझाइन, मास कम्युनिकेशन, सीपीए म्हणजेच चार्टर्ड प्रोफेशनल अकाउंटंट, या शिक्षणाचा आर्थिक [...]

'करिअर कशात करू' ही खास मालिका पाहण्यासाठी हा क्यू आर कोड स्कॅन करा.

'आयआयटीं'चे [...]

'एअरोनॉटिकल', 'ड्रोन'विषयक अभ्[...]

गणित ऑलिम्पियाड परीक्षेपूर्व [...]

पुणे : गणित ऑलिम्पियाडची तयारी करणाऱ्या नववी ते अकरावीच्या विद्यार्थ्यांसाठी 'फिटजी'ने विनामूल्य 'आयओक्यूएम २०२३' या कार्यशाळेचे आयोजन केले आहे.

'फिटजी स्वारगेट' आणि पिंपरी-चिंचवडमधील केंद्रांवर रविवारी (अकरा जून) ऑफलाइन आणि रविवारी दुपारी ३.४५ ते ७.४५ दरम्यान ऑनलाइन व्याख्याने आयोजित केली जाणार आहेत.

'इंडियन ऑलिम्पियाड क्वालिफायर इन मॅथेमॅटिक्स' (IOQM) ही तीन तासांची, १०० गुणांची आणि 'ओएमआर' आधारित पहिल्या टप्प्याची [...] आहे. 'मॅथेमॅटिक्स [...] असोसिएशन ऑफ इं[डिया]', 'इंडियन असोसिएशन [...] फिजिक्स टीचर्स', भाभा सेंटर फॉर सायन्स एज्यु[केशन] आणि 'टाटा इन्स्टिट्यूट ऑफ फं[डामेंटल] रिसर्च' यांच्यातर्फे परीक्षेचे आ[...]

o/c

Date: 15/06/2023

To

Executive Engineer, Zone-4

Building Control Department,

PMC, Pune.

Subject: - Expansion in Residential Project at S. no. 47/1 + 48/C/2 + 48/C/3 + 48/C/4, village Mundhwa, Haveli, Pune, Maharashtra by Kumar Properties and Developers LLP

Dear Sir,

We, Kumar Properties and Developers LLP are developing a residential project at S. no. 47/1 + 48/C/2 + 48/C/3 + 48/C/4, village Mundhwa, Haveli, Pune, Maharashtra

The project has received Environment Clearance from State Environment Impact Assessment Authority (SEIAA), Maharashtra (Government of India Ministry of Environment, Forest and Climate Change) vide EC Identification No. EC23B000MH178080 dated 6th June 2023

As per the condition given in Clearance Letter, we are herewith submitting a copy of the Environment Clearance Letter.

This is for your information and record, please.

Thanking You.

Yours Faithfully,

For Kumar Properties and Developers LLP

Encl:

1. Environment Clearance Copy vide EC Identification No. EC23B000MH178080 dated 06th June 2023

14/6/23

बांधकाम विकास विभाग
पुणे महानगरपालिका
झोन क्र.४

MAHARASHTRA POLLUTION CONTROL BOARD

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

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

Infrastructure/RED/L.S.I
No:- Format1.0/CC/UAN No.0000214694/CE/2412002145

Date: 28/12/2024

To,
Kumar Properties and Developers LLP,
S. No. 47/1 + 48/C/2 + 48/C/3 + 48/C/4,
Village Mundhwa, Tal. Haveli, Dist. Pune

Your Service is Our Duty

Sub: Revalidation of Consent to Establish with Expansion for Building Construction Project granted under Red Category.

Ref:
1. Application for Consent to Establish vide UAN. MPCB-CONSENT-0000214694 dtd. 09/08/2024.
2. Previous Consent to Operate granted by Board dtd. 13/09/2019

Your application NO. MPCB-CONSENT-0000214694

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 Revalidation of Consent to Establish is granted for a period upto commissioning of project or up to 5 year whichever is earlier.**
2. **The capital investment of the project is Rs.309.29 Cr. (As per C.A Certificate submitted by industry).**
3. **The Consent to Establish is valid for Building Construction Project named as Kumar Properties and Developers LLP, S. No. 47/1 + 48/C/2 + 48/C/3 + 48/C/4, Village Mundhwa, Tal. Haveli, Dist. Pune on Total Plot Area of 22900 Sq Mtrs for construction BUA of 84485.76 Sq Mtrs as per EC granted dated 06/06/2023 including utilities and services.**

Sr.No	Permission Obtained	Plot Area (SqMtr)	BUA (SqMtr)
1	Environment Clearance dtd. 23/04/2019	22900.00	77067.72
2	Consent to Establish dtd. 13/09/2019	22900.00	77067.72
3	Environment Clearance dtd. 06/06/2023	22900.00	84485.76

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	293	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
1	DG Set (500 KVA)	1	As per Schedule -II

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

Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Bio degradable waste	300 Kg/Day	OWC	Use as Manure
2	Non Bio degradable waste	450 Kg/Day	NA	Hand Over to Authorized Vendor
3	STP sludge	45 Kg/Day	NA	Use as Manure

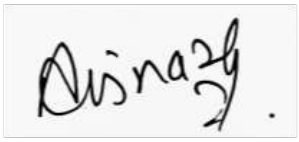
7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

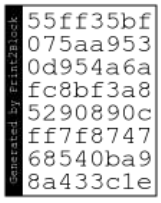
Sr No	Category No.	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	40	Ltr/A	NA	Authorized Reprocessor

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. Project Proponent shall provide Organic waste digester with composting facility or biodigestor with composting facility.
11. Project Proponent shall comply the Construction and Demolition Waste Management Rules, 2016 which is notified by Ministry of Environment, Forest and Climate Change dtd.29/03/2016.
12. The project proponent shall make provision of charging of electric vehicles in at least 30 % of total available parking area.
13. The project proponent shall take adequate measures to control dust emission and noise level during construction phase.
14. The Project Proponent shall comply with the Environmental Clearance obtained vide No. SIA/MH/MIS/287916/2022 dtd. 06/06/2023 for construction project having total plot area of 22900 Sqm and total construction BUA of 84485.76 Sqm as per specific condition of EC.

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

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





Signed by: Dr.Avinash Dhakne
Member Secretary
For and on behalf of,
Maharashtra Pollution Control Board
ms@mpcb.gov.in
2024-12-28 13:46:39 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	618580.00	MPCB-DR-28206	09/08/2024	RTGS
2	365260.00	MPCB-DR-30898	20/12/2024	RTGS

12 % interest on late BG submission Rs. 3,65,260/-.

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune II
- 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 MBBR based Sewage Treatment Plants (STPs) of combined capacity **300 CMD for treatment of domestic effluent of 293 CMD.**

B] The Applicant shall operate the sewage treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

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

C] The treated domestic effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening and connected to the sewerage system provided by local body.

2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.

3) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

4) **The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act,1974 and as amended, and other provisions as contained in the said act.**

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	339.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Grandening/Other consumption	0

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

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1) **As per your application, you have 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
1	DG Set 500 KVA	Acoustic Enclosure	4.00	HSD 35 Ltr/Hr	1	SO2	48 Kg/Day

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

Total Particular matter	Not to exceed	150 mg/Nm3

3) The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacemenalteration well before its life come to an end or erection of new pollution control equipment.

4) The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

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

a) The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.

b) The toilet shall be provided with exhaust system connected to chimney through ducting.

c) The air conditioner shall be vibration proof and the noise shall not exceed 68 dB(A).

d) The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. higher than the nearest tallest building through ducting and shall discharge into open air in such a way that no nuisance is caused to neighbors.

SCHEDULE-III

Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C2E	Rs. 10 Lakhs	Existing/Continue	Compliance of Consent & EC Conditions.	Up to Commissioning of the Project	Up to Commissioning of the Project

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

BG Forfeiture History

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

BG Return details

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

SCHEDULE-IV

Conditions during construction phase

A	During construction phase, applicant shall provide temporary sewage and MSW treatment and disposal facility for the staff and worker quarters.
B	During construction phase, the ambient air and noise quality shall be maintained and should be closely monitored through MoEF approved laboratory.
C	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.

General Conditions:

1 The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

2 The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act 1986 and Solid Waste Management Rule 2016, Noise (Pollution and Control) Rules, 2000 and E-Waste (Management & Handling Rule 2011.

3 Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.

4 Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.

5 Conditions for D.G. Set

a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.

b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.

c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.

d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.

e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.

f) D.G. Set shall be operated only in case of power failure.

g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.

6 Solid Waste – The applicant shall provide onsite municipal solid waste processing system & shall comply with Solid Waste Management Rule 2016 & E-Waste (M & H) Rule 2011.

7 Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.

8 Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.

9 The treated sewage shall be disinfected using suitable disinfection method.

10 The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.

11 The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.

This certificate is digitally & electronically signed.

Six Monthly Compliance Report for period April 2025 to September 2025 for Residential project -Kumar Properties and Developers LLP

kumar properties <kumarworldcompliance2025@gmail.com> Mon, Dec 1, 2025 at 3:09 PM
To: eccompliance-mh@gov.in, cc-cacdesk@mpcb.gov.in
Cc: sropune2@mpcb.gov.in
Bcc: moef16@kumarworld.com, compliancecell@kumarworld.com

Dear Sir/Madam,

Please find the Post EC Compliance Report attached herewith for Period of April 2025 to September 2025 of Residential project proposed on plot bearing Survey No. 47/1+ 48/C/2+ 48/C/3+ 48/C/4 Mundhwa, Pune, Maharashtra by Kumar Properties and Developers LLP, with reference to Environmental Clearance Letter Identification No. EC23B000MH178080 dated 06th June 2023.

Hope this is in line with your requirement.

Thanking you
Kumar Properties and Developers LLP

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20206K

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2025

Unique Application Number	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000087199	29-09-2025

PART A

Company Information

Company Name	***Application UAN number***	
Kumar Properties and Developers LLP	MPCB-CONSENT-0000214694	
Address		
Kumar Capital, 2413, East Street, Camp, Pune		
Plot no	***Taluka***	***Village***
S. no. 47/1 + 48/C/2 + 48/C/3 + 48/C/4	Haveli	Mundhwa
Capital Investment (In lakhs)	***Scale***	***City***
30929.00	L.S.I.	Pune
Pincode	***Person Name***	***Designation***
411036	Mr. Samir Patil	Manager Sustainable Development
Telephone Number	***Fax Number***	***Email***
9011009240	0	moef16@kumarworld.com
Region	***Industry Category***	***Industry Type***
SRO-Pune II	Orange	O21 Building and construction project more than 20,000 sq. m built up area
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
yes	Format1.0/CC/UAN No.0000214694/CE/2412002145	2024-12-28
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
2029-12-27	2019	Sep 26 2024 12:00:00:000AM
Industry Category Primary (STC Code) & Secondary (STC Code)		

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Built up Area	84485.76	0	

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
NA	0	0	CMD

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	0.00	0.00
Cooling	0.00	0.00
Domestic	339.00	0.00
All others	0.00	0.00
Total	339.00	0.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Domestic Effluent	293	0	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
NA	0	0	CMD

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
NA	0	0	

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
DG set	35	0	Ltr/Hr

Part-C

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
Treated waste waster	0	0	0	0	NA

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
DG Stack - PM	0	0	0	0	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	0	0	Ltr/Hr

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	Kg/Annum

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
STP SLUDGE	0	0	Kg/Annum

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	Kg

Part-F

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

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	0	Ltr/Hr	-

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Dry Waste	0	Kg/Annum	-
Wet Waste	0	Kg/Annum	-

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
NA	0	0	0	0	0	0

Part-H

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

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Water for Dust Suppression	To control air pollution	0.48

Barricading	Barricading	2.73
Site sanitation, Disinfection & Safety	Provide workers Hygienic & safe environment to work.	8.25
Fire Fighting	Fire Safety on Site	0.26
Health Check up	To check health of workers on site.	0.56
Solid waste Management	Segregation and treatment of solid waste	2.28

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	***Environmental Protection Measures***	***Capital Investment (Lacks)***
Water for Dust Suppression	To control air pollution	0.48
Barricading	Barricading	3.0
Site sanitation, Disinfection & Safety	Provide workers Hygienic & safe environment to work.	31.6
Fire Fighting	Fire Safety on Site	0.45
Health Check up	To check health of workers on site.	0.6
STP	To treat wastewater	54.75
Solid waste Management	Segregation and treatment of solid waste	2.75
Energy Saving	Energy Saving through Renewable Energy and energy saving measures	15.673

Part-I

Any other particulars for improving the quality of the environment.

Particulars

NA

Name & Designation

Mr. Samir Patil, Manager – Sustainable Development

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000087199

Submitted On:

29-09-2025


01/04/2025 17:23