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Six Monthly Compliance Report for period October 2020 to March 2021 for project - Manikchand Kumar Properties

1 message

kumar properties <kumarworldcompliance2025@gmail.com>

Wed, Jun 16, 2021 at 4:23 PM

To: ecompliance-mh@gov.in

Bcc: MoEF11@kumarworld.com

Dear Sir/Madam,

Please find the Post EC Compliance Report attached herewith for Period of October 2020 to March 2021 of Residential cum Commercial project proposed on plot bearing Survey No. 9/1(Pt), village Undri, Dist: Pune, Maharashtra by Manikchand Kumar Properties.,with reference to Environmental Clearance Letter No. 21-221/2007-IA.III dated 24 December 2007. and further extension of EC no. 21-221/2007-IA.III dated 11th June 2014 and further expansion in EC was obtained no. SEIAA-EC-0000001925 dated 3.08.2019.

 [POEC report_Prince town_Oct to March 2021.pdf](#)

Hope this is in line with your requirement.

Thanking you
Yours Sincere

Manikchand Kumar Properties

SIX MONTHLY COMPLIANCE REPORT
FOR
RESIDENTIAL & COMMERCIAL PROJECT
‘PRINCETOWN’

AT
S. No. 9/1, 9/2/1A to 9/2/7, village Undri, Dist: Pune,
Maharashtra

Being Developed by
Manikchand Kumar Properties

FOR
OCTOBER 2020 TO MARCH 2021

PREPARED BY
ACE ENVIRONMENT



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Section1: Purpose of the Report

As per the ‘Sub Para (i)’ of ‘Para 10’ of EIA Notification 2006 and Condition mentioned General condition Part B for construction phase in Sr. No. ‘v’ of Environmental Clearance (EC) letter dated 24th December 2007 (**Annexure 1C**), further extension of Environmental clearance dated 11th June 2014 (**Annexure 1B**) and further expansion in EC was obtained dated 3.08.2019 (**Annexure 1A**), 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

Manikchand Kumar Properties is proposing Residential & Commercial project “Princetown” At S. No. 9/1, 9/2/1A to 9/2/7, village Undri, Dist: Pune, Maharashtra. Project is designed as self-sufficient establishment 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, rainwater harvesting and sewage treatment to ensure that project is environment friendly. The project proponent also proposes arrangement for safety, maintenance and security of residents. The main features of the project are as follows.

Sr. No.	Particulars	Details
1	Total Plot Area (As per EC)	1, 01,600 sq.m
2	Net Plot Area	46,320.03 sq. m.
3	Proposed FSI area	72,691.21 sq. m.
4	Proposed Non FSI area	66,160.47 sq. m.
5	Construction BUA (FSI + Non FSI)	138851.68 sq.m
6	Building Configuration	4 Buildings- P + 11 Floors 3 Buildings- P + 15 Floors 1 Buildings- 2P + 14 Floors 2 Buildings- B + 2P + 14 Floors 3 Buildings- B + P + 22 Floors 1 Buildings (Commercial)- G + Mezz +2 Floors 3 Club Houses- G + 1 Floor Multipurpose Hall- G + 1 Floor
7	Total Water Requirement	560 m3/day
8	Recycled Water Requirement (For Flushing & Landscaping)	213 m3/day
9	Sewage Generation	470 m3/day
10	No. & Capacity of STP	Total 4 nos. STP's with total capacity 480 KLD (Existing 80 KLD & 100 KLD and 2 nos. are proposed)
11	Solid Waste Generation	Non-Bio-degradable Waste: 780 kg/day Bio-degradable Waste: 1159 kg/day STP Sludge: 9 kg/day (dry)

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	Energy Demand	<p>During Construction phase: Demand load: 116 KVA DG Set: 1 no. of 125 KVA</p> <p>During Operation phase: Connected Load: 6400 kW Demand Load: 3459 KVA DG sets: (125 KVAx1),(200 KVAx1),(300 KVAx2) Transformer: 6 x 630 kVA ,1 x 315 KVA</p>
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Section 3: Present Site Conditions

Sr. No.	Name of Buildings	No. of Buildings	Current Status
1.	A1, A2, A3, A4- P + 11 B1- P + 15 B4- 2P + 14 CH (For A1 to A4), CH (For B1 to B6), Parking Slab around A1 to A4, Multipurpose Hall- G + 1 Floor	09 Buildings	Completed As per EC no. No. 21-221/2007-IA.III dated 24.12.2007 & Extension of EC dated 11.06.2014. Multipurpose hall is completed as per EC no. SEIAA-EC-0000001925 dated 3.08.2019
2.	Building B2- P+15 - Civil Work completed	01 Building	Completed As per EC no. No. 21-221/2007-IA.III dated 24.12.2007 & Extension of EC dated 11.06.2014
3.	Building B5- Plinth completed	01 Building	In Progress As per EC no. SEIAA-EC-0000001925 dated 3.08.2019
4.	Building B6- Excavation completed	01 Building	In Progress As per EC no. SEIAA-EC-0000001925 dated 3.08.2019
5.	Building C3 - B+P+22- Civil Work completed	01 Building	In progress As per EC no. No. 21-221/2007-IA.III dated 24.12.2007 & Extension of EC dated 11.06.2014.
6.	Building C4- G + Mezz. + 2 Floors- Civil Work completed	01 Building	In Progress As per EC no. SEIAA-EC-0000001925 dated 3.08.2019
7.	B3,C1, C2, CH (For C1 to C4)	04 Buildings	Proposed As per EC no. SEIAA-EC-0000001925 dated 3.08.2019
8.	A1, A2, A3, A4, B1 & one club house for (A1 to A4)	06 Buildings	Handed over to society
9.	Building B4	01 Building	Completed & Occupied

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Sr. No.	Status	Construction Area (in Sq.m)
1.	Total Construction Area as per EC	138851.68
2.	Total Construction Area Completed till March 2021	69879.14

Section 4: Post Environment Clearance Compliance Report

Sr. No.	EC Conditions	Compliance Status
Specific Conditions		
I	In CER, PP has proposed to provide stationary and school bags to school children. This may be deleted and the amount may be used for providing solar PV panels to schools.	We have revised CER as per committee suggestion and uploaded the same on MPCB portal on 22 nd August 2019.
II	PP to submit CER plan to Municipal Commissioner/District Collector and submit the acknowledgement to Member Secretary, SEIAA.	We have submitted copy of CER to District Collector and uploaded the same on MPCB portal on 22 nd August 2019.
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.	Yes 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 decided to grant EC for: FSI: 72687.24 m ² , Non-FSI: 66160.47 m ² and Total BUA: 138847.71 m ² (IOD no-CC/3710/16, Date-29.03.2017 & CC/0674/19, Date-25.06.2019).	We note and agree to the mentioned details.
General Conditions		
I.	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 dry waste & E- waste and copy of same is attached as an Annexure 2
II.	The Occupation certificate shall be issued by the Local Planning Authority 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 Noted.
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.	No NOC is required from the Forestry & Wildlife board as there is no forest land in the vicinity.
IV.	PP has to abide by the conditions stipulated by SEAC & SEIAA.	Condition is noted.

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<p>V.</p>	<p>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.</p>	<p>The height, Construction built up area of proposed construction is in accordance with the existing FSI/FAR norms of the urban local body. Proposed project is in the residential zone as per the approved development plan of the area. The construction is as per Commencement having number CC/0674/19 dated 25/06/2019. Attached as an Annexure 3.</p>
<p>VI.</p>	<p>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.</p>	<p>“Revalidation Consent for Establishment with expansion’ was obtained from Maharashtra Pollution Control Board on 08.01.2020. Copy is attached as Annexure 4</p>

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VII.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Sanitary facilities such as toilets for ladies and Gents are provided on site.
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 waste water and solid wastes generated during the construction phase should be ensured.	Yes, adequate drinking water and sanitary facilities are provided to the construction workers. Waste water generated is disposed of through urinals connected with septic tank.
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.	The solid waste is segregated and recyclable material is sold to recyclers and inert material is used for site levelling.
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 site with approval of competent authority.	All construction waste was collected and segregated properly at site and most of it was reused for construction activity and we ensured that no neighboring community is affected.
XI.	Arrangement shall be made that waste water and storm water do not get mixed.	Waste water is treated in STP & treated water is being reused within the project for landscaping & flushing and excess treated water is discharge in Municipal sewer drain for completed part and Maximum storm water will be recharge through recharge pits and excess storm water will be drain through municipal storm water line. Hence we ensured that waste water and storm water will not get mixed.
XII.	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Yes, we have used excavated topsoil for landscape development.

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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.	Construction debris and inert material are being used and are sufficient for leveling.
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.	Local planning authority has established a Garden Department under whose preview the development is carried out, they have prescribed list of trees to be planted. This is a compulsory activity and is checked prior to issue of completion certificate.
XV.	Soil & 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 the limit and there is no threat to ground water quality by leaching of heavy metals & other toxic contaminants. Monitoring reports are attached as Annexure 5.
XVI.	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dumpsites for such material must be secured so that they should not leach into the ground water.	We are taking proper measures during construction activity to avoid contamination of water courses. No bituminous material is used in construction.
XVII.	Any hazardous waste generated during construction phase should be disposed off as per applicable rules & norms with necessary approvals of the Maharashtra Pollution Control Board.	Used oil generated at site will be disposed off through MPCB authorized vendors.
XVIII.	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.	Yes, we are using low sulphur diesel type DG during construction phase and they conform to Environment (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.	We are using DG set only in case of power failure and hence not much diesel is being stored at site.

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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.	Construction vehicles are checked for PUC certificate before entry.
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.	Care has been taken to maintain the noise level within limits at site. Construction activities are limited to daytime only. Noise shields provided for heavy construction equipment's. PPE provided to labours
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 27 th August, 2003. (The above condition is applicable only if the project site is located within the 100 km of Thermal Power Stations).	Construction has been carried out using fly ash bricks and RMC also uses prescribed fly ash content. Purchase agreement is attached as Annexure 6.
XXIII.	Ready mixed concrete must be used in building construction.	Yes, we are using Ready mixed concrete in construction.
XIV.	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Condition is noted
XXV.	Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices referred.	Gunny bags are wrapped on columns and ponding is done to reduce water usage for curing. Pre mixed concrete is being used.
XXVI.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Condition is noted
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 Ministry before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in sewer line. Treated effluent emanating from STP shall be recycled /refused to the maximum extent possible. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odor problem from STP	2 STPs having capacities of 100 KLD each provided at site. Commissioning report by independent consultant is attached as compliance. And treated water is being reused. Treated effluent conform to the norms of MPCB. Adequacy report & STP

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		Monitoring reports are attached as Annexure 7.
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.	Permission to draw ground water shall be obtained from the competent authority if required.
XXIX.	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	Dual plumbing provided in existing buildings and will be provided in proposed buildings.
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.	We are using low flow fixtures in toilets to minimize wastage of water.
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.	Condition is noted.
XXXII.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Condition is noted.
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 maybe 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.	Condition is noted. We have installed PV Panel & Solar hot water system and provided CFL in common area of existing buildings. Proposed solar hot water system and Solar PV panels in the proposed part of the project. We will adopt energy conservation measures.
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.	Two DG sets are provided with capacities of 200 KVA for power back up. DG sets are provided with silencer and acoustic enclosures. Stack height is provided as per MPCB norms.

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XXXV.	Noise should be controlled by 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.	Yes, we will maintain noise level as per standards norms.
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.	Condition is noted and implemented; all parking is internalized for completed buildings.
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 aspirational for non-air-Conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	Condition is noted.
XXXVIII.	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Required distance has been maintained as per DCR and approved by local authority.
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.	Dedicated site engineer and supervisory staff is appointed to take care of the monitoring and overall implementation.
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.	Condition is noted
XLI.	Six monthly monitoring reports should be submitted to the Regional Office MoEF, Bhopal, with copy to this department and MPCB.	RO shifted to Nagpur hence we are now submitting to Nagpur. All previously submitted six monthly report acknowledgement copies are attached as Annexure 8 .
XLII.	Project proponent shall ensure completion of STP, MSW disposal facility, greenbelt development prior to occupation of the buildings. 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.	Water NOC, Drainage NOC & Fire NOC, Tree NOC & Society registration certificate is attached as an Annexure 9 .
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.	Wet Solid waste generated is being treated in 2 nos. OWC present on site of capacity 75 +75 kg/day Manure analysis report is

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		attached as Annexure 10
XLIV.	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Condition is noted.
XLV.	A complete set of all the documents submitted to Department should be forwarded to the MPCB.	Condition is noted.
XLVI.	In the case of any change(S) in the scope of the project. The project would require a fresh appraisal by this Department.	In case we are crossing BUA given in the EC we will take prior revised EC
XLVII.	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.
XLVIII.	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These costs shall be included is 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.	Separate funds have been allocated for implementation of environmental protection measures/EMP, copy of same is attached as Annexure 11
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	Advertisement was published in Marathi and English Newspaper. The copy of same is attached as Annexure 12.
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 1 st June & 1 st December of each calendar year.	New norms as per RO being followed.
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.	A copy of the clearance letter is submitted to Municipal Corporation. Copy of same is attached as Annexure 13

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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, SO, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a Convenient location near the main gate of the company in the public domain.	Condition is noted
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.	New norms as per RO being followed.
LIV	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently shall 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 2019 to March 2020 having UAN no.- MPCB- ENVIRONMENT_STATEMENT-0000025038 dated 20-08-2020. Copy of same is attached as Annexure 14
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	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.

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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.	Condition is noted.
7	Validity of Environment Clearance: The environmental clearance accorded shall be valid for a period of 7 years as per MoEF& CC notification dated 29 th April 2015.	Condition is noted.
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.	Condition is noted.
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.	Condition is noted.
10	Any appeal against this environmental clearance shall lie with the National Green Tribunal, Van Vigyan Bhawan, Sec-5, R.K. Puram, New Delhi-110 022. If any preferred within 30 days as prescribed under Section 16of 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. 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 ₆ H ₆ , Benzo (a) Pyrene – Particulate Phase only, As, Ni
2	Water	Colour, Odour, Turbidity, pH, TDS, Total Alkalinity, Total Hardness, Ca, Mg, Cl, SO ₄ , NO ₃ , Fe, Mn, F, Pb, Cu, Zn, Cr ⁶⁺ , As, B, Residual Chlorine, Al, Cd, Se, Hg, Pesticides, Mineral Oil

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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

Monitoring results are attached as **Annexure 5** which indicates that parameters of all environmental components are within standard limit and there is no pollution at site.



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date: August 3, 2019

To,
Manikchand Kumar Properties
at S. no. 9/1, 9/2/1A to 9/2/7, Village Undri, Pune

Subject: Environment Clearance for Expansion in Environment Clearance for Proposed Residential & Commercial project

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 89th 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 172nd 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 & Commercial project
2.Type of institution	Private
3.Name of Project Proponent	Manikchand Kumar Properties
4.Name of Consultant	Sneha Hi-Tech Products
5.Type of project	Housing project (Residential & Commercial)
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environment clearance received from MOEF dt. 24/12/2007 & extension received from Environment Department GoM dt. 11/06/2014 vide no. 21-221/2007-IA.III
8.Location of the project	S. no. 9/1, 9/2/1A to 9/2/7, Village Undri, Pune
9.Taluka	Haveli
10.Village	Undri
Correspondence Name:	Manikchand Kumar Properties
Room Number:	-
Floor:	1st floor, 2413
Building Name:	Kumar Properties
Road/Street Name:	East street
Locality:	Camp
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Sanction layout IOD/IOA/Concession/Plan Approval Number: Sanction layout no. CC/3710/16 dated 29/03/2017 & 2019 Approved Built-up Area: 138851.68
13.Note on the initiated work (If applicable)	A1 to A4, B1, B4 Buildings, 2 nos. of club house, Parking slab 1 & Parking slab 2 are completed and B2 & C3 buildings are under construction at site with total construction area 64058.31 sq. m. is as per EC received.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1,01,600 sq. m.
16.Deductions	55,279.97 sq. m.

SEIAA Meeting No: 172 Meeting Date: July 25, 2019 (SEIAA-STATEMENT-000001871)
SEIAA-MINUTES-000002369
SEIAA-EC-000001925

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Shri. Anil Diggikar (Member Secretary SEIAA)

17.Net Plot area	46,320.03 sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): 72,691.21 sq. m.
	Non FSI area (sq. m.): 66,160.47 sq. m.
	Total BUA area (sq. m.): 138851.68
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 72,691.21
	Approved Non FSI area (sq. m.): 66,160.47
	Date of Approval: 29-03-2017
19.Total ground coverage (m2)	19,617.16 sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31%
21.Estimated cost of the project	2290000000



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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):	347 m3/day
	Recycled water - Flushing (CMD):	175 m3/day
	Recycled water - Gardening (CMD):	38 m3/day
	Swimming pool make up (Cum):	11m3/day
	Total Water Requirement (CMD) :	560 m3/day
	Fire fighting - Underground water tank(CMD):	950 m3
	Fire fighting - Overhead water tank(CMD):	20 m3 per residential building
	Excess treated water	233 m3/day
Wet season:	Source of water	PMC / Recycled water
	Fresh water (CMD):	347 m3/day
	Recycled water - Flushing (CMD):	175 m3/day
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	11 m3/day
	Total Water Requirement (CMD) :	522 m3/day
	Fire fighting - Underground water tank(CMD):	950 m3
	Fire fighting - Overhead water tank(CMD):	20 m3 per residential building
	Excess treated water	271 m3/day
Details of Swimming pool (If any)	1. Swimming pool Size: 15.5m x 7.00 m x 1.2 m (d) 2. Swimming pool Size: ((3.21 m x 6.54 m)+(11.0 m x 6.54 m)+(4.61 m x 4.73 m)) x 1.2m	

Maharashtra

24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	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:	7 - 8 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:	22 nos.
	Size of recharge pits :	1.2 m x 1.2 m x 2.5 m depth
	Budgetary allocation (Capital cost) :	Rs. 35 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1.5 Lakh/year
Details of UGT tanks if any :	Domestic UGT: 521 m ³ Flushing UGT: 262 m ³ Fire UGT: 950 m ³	

26.Storm water drainage	Natural water drainage pattern:	As per contour
	Quantity of storm water:	46.6 cum/min
	Size of SWD:	450 mm x 300 mm

27.Sewage and Waste water	Sewage generation in KLD:	470 KLD
	STP technology:	SMBR
	Capacity of STP (CMD):	Total 4 nos. STP's with total capacity 480 KLD (Existing 80 KLD & 100 KLD and 2 nos. are proposed)
	Location & area of the STP:	Location:1. 1st in between A3 and A4 building. 2. 2nd is at south side of B4 building. 3. 3rd is in between B4 and B5 building 4. 4th is at south side of C2 building and area provided is 220 sq. m.
	Budgetary allocation (Capital cost):	Rs. 143 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:	Empty cement bags, steel, sand, packaging material, Aggregates
	Disposal of the construction waste debris:	Excavated earth material will be used for filling of plinth area
Waste generation in the operation Phase:	Dry waste:	780 kg/day
	Wet waste:	1159 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	9 kg/day (Dry sludge)
	Others if any:	E-waste - 2006.50 kg/year
Mode of Disposal of waste:	Dry waste:	Handed over to authorized recycler for further handling & disposal purpose
	Wet waste:	Through Mechanical Composter (Smart OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure for gardening purpose or will be disposed off as per CPHEEO manual on sewerage
	Others if any:	E Waste-Handed over to authorized recycler for further handling & disposal purpose
Area requirement:	Location(s):	On ground
	Area for the storage of waste & other material:	80 sq.m.
	Area for machinery:	15 sq. m.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 23.85 Lakh
	O & M cost:	Rs. 4.00 Lakh/year

Government of Maharashtra

29. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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			



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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	125 kVA
	During Operation phase (Connected load):	6400 KW
	During Operation phase (Demand load):	3459 kVA
	Transformer:	630 kVA x 6 nos. + 315 kVA x 1 no.
	DG set as Power back-up during operation phase:	(125 KVA X 1) + (200 KVA X 1) + (300 KVA X 2)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

34. Energy saving by non-conventional method:

- Energy Saving using Energy efficient LED fixtures Against Conventional CFL/T8 fixture with Electronic Ballast for Common Area.
- Energy saving using Low Loss Transformer Against Conventional Transformer
- Energy Saving using Solar PV cell (3.25% of demand load)
- Energy Saving using Solar Water Heaters against Electrical Heaters
- Energy Saved by Automatic Timer logic controller for lighting Control Against No timer Control
- Energy Saved by Using VFD for Lift against Non VFD

36. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving using Energy efficient LED fixtures Against Conventional CFL/T8 fixture with Electronic Ballast for Common Area.	40.18%
2	Energy saving using Low Loss Transformer Against Conventional Transformer	8.57%
3	Energy Saving using Solar PV cell (3.25% of demand load)	3.25%

4	Energy Saving using Solar Water Heaters against Electrical Heaters	75.34%
5	Energy Saved by Automatic Timer logic controller for lighting Control Against No timer Control	41.51%
6	Energy Saved by Using VFD for Lift against Non VFD	4.53 %
7	Total Energy Saving in Project by Energy saving measures	16.81%

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. 203 Lakh
	O & M cost:	Rs. 10 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	Air	Water For Dust Suppression , Air & Noise Monitoring	2.0
2	Water	Tanker Water For Construction, Water Monitoring	3.0
3	Land	Site Sanitation	1.50
4	Socio-Economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Personal Protective Equipment	5.00
5	Environment Monitoring	Air, Water, Noise & DG Stack	0.60


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	500 KLD of STP	143	12
2	Rain water harvesting	RWH pits will be provided	35	1.50
3	Solid waste management	To assure proper disposal of Dry and Wet Waste, OWC will be provided for wet waste	23.85	4.0
4	Landscape	Landscaping and gardening	62.8	3.6
5	Energy	Utilization of renewable energy	203	10
6	Environment monitoring	Air, Noise, Water, Effluent tests as per government norms	NA	2.80

39.Storage of chemicals (inflammable/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

SEIAA Meeting No: 172 Meeting Date: July 25, 2019 (SEIAA-STATEMENT-000001871) SEIAA-MINUTES-0000002369 SEIAA-EC-0000001925	Page 8 of 13	 Shri. Anil Diggikar (Member Secretary SEIAA)
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	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	Civil court cases no. 622 & 1901
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	20-11-2018

3. The proposal has been considered by SEIAA in its 172nd 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	In CER, PP has proposed to provide stationary and school bags to school children. This may be deleted and the amount may be used for providing solar PV panels to schools.
II	PP to submit CER plan to Municipal Commissioner/District Collector and submit the acknowledgement to Member Secretary, SEIAA.
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.
IV	SEIAA decided to grant EC for:FSI: 72687.24 m2, Non-FSI: 66160.47 m2 and Total BUA: 138847.71 m2 (IOD no-CC/3710/16, Date-29.03.2017 & CC/0674/19, Date-25.06.2019)

General Conditions:

I	E-waste shall be disposed 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 effluent, 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 effluent, 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 be 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, SO ₂ , NO _x (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.

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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, 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.



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

Government of Maharashtra

File No. 21-221/2007-IA.III
Environment department,
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai 400 032
Date: 11th June, 2014

To,
M/s. Manikchand Kumar Properties.
"Kumar Capital", 1st Floor, 2413,
East Street, Camp, Pune- 411 001.

Subject: Extension for EC to Kumar Princetown" project at Survey no 9/1 (pt) village Undri, Pune by M/s. Manikchand Kumar properties.

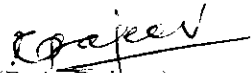
Reference- Even number environment clearance letter dated 24th December, 2007

Sir,

This has reference to your communication on the above mentioned subject.

2. It is noted that, the proposal earlier considered by MoEF & granted EC vide letter dated 24th December, 2007. The revalidation proposal in the EC letter was considered in the 70th SEIAA meeting. It was noted that, the earlier EC was issued under EIA Notification, 2006. As the Project Proponent had applied within validity period, SEIAA decided to extend the EC for further period of 5 years subject to condition that, this would be the last extension granted to the project.

Terms and conditions stipulated in even number environment clearance letter dated 24th December, 2007 remains the same.


(R.A. Rajeev)
Principal Secretary,
Environment department &
MS, SEIAA

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.

2. Shri. Jagdish Joshi, Chairman, SEAC-III, 3 Tahiti CHS Juhu- Versova Link Road, Andheri (W), Mumbai- 400.
3. Additional Secretary, MOEF, 'Paryavaran Bhawan' CGO Complex, Lodhi Road, New Delhi – 110510
4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
6. Regional Office, MPCB, Pune.
7. Collector, Pune
8. Commissioner, Municipal Corporation Pune
9. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
10. Select file (TC-3)

(EC uploaded on 12 June 2014)

By Speed Post

No. 21-221/2007-IA.III
Government of India
Ministry of Environment and Forests
(I.A. division)

Paryavaran Bhawan,
CGO Complex, Lodhi Road
New Delhi 110510
Dated: 24.12.2007

To,

M/s Manikchand Kumar Properties
Kumar Capital, 1st Floor,
2413 East Street, Camp
Pune 411001

Subject: Environmental Clearance for Construction of residential complex at Undri, Pune.

Sir,

I am directed to refer to your application seeking prior environmental clearance for the above project under the EIA Notification 2006. The above proposal has been appraised as per prescribed procedure on the basis of the mandatory documents enclosed with the application viz. Form 1 & 1 A, and Conceptual plan and the additional clarifications furnished in response to the observations of the Additional Expert Appraisal Committee constituted by the competent authority in its 21st meeting held on 12-14 September, 2007.

2. The project proponent is proposing for Construction of Residential Complex, at S.No.9/1 (pt.) Undri, Pune at a cost of Rs.132.45 crore. The proposed development will consists of Residential Complex comprising of 22 residential buildings for 946 flats. The total plot area is 1, 01,600 sq. m. The total proposed built up area as indicated is 94,413.45 sq. m. Total water requirement will be 775 cu.m./day including recycled water and total wastewater generation from the project will be 620 cu. m./day. The STP (capacity 650 cu.m/d) will be installed at site to treat wastewater generated from the project. The treated waste water will be used for landscape, flushing and non-potable purpose in the premises and unused wastewater will be discharged in to public sewer. The total solid waste generated will be 1265 kg/day. Vermi-composting of biodegradable waste will be done and Non-biodegradable waste will be handed over to local municipal authority for disposal. Total parking space will be provided for parking of 1050 cars and 950 two-wheelers.

3. The documents submitted along with the application predict that there will be minor negative impact on the Air quality during construction as well as operation phase. There will be minor negative impact on ambient noise level inside the premises during construction phase. There will be positive impact on land use pattern due to landscaping and greenbelt development. Plantation of trees and development of recreational area, surrounding area will have positive impact on overall land use.

4. The additional EAC after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations have awarded 'Gold' grading and recommended the grant of environmental clearance for the project mentioned above subject to compliance with the EMP and other stipulated conditions Accordingly, the Ministry hereby accords necessary environmental clearance under category 8(a) for the project subject to the strict compliance with the specific and general conditions mentioned below,

PART A- .SPFCIFIC CONDITIONS

I. Construction Phase

- i. Consent for establishment shall be obtained from the State Pollution Control Board/Pollution Control Committee under Air and Water Act and a copy of the same shall be submitted to the Ministry before start of any construction work at site.
- ii. For disinfection of waste water ultra violet radiation shall be used in place of chlorination.
- iii. Vehicles hired for construction activities should be operated only during non-peak hours.
- iv. All the top soil excavated during construction activities should be stored for use in horticulture/landscape developments within the project site.
- v. Ready mixed concrete shall be used in building construction.
- vi. Water demand during construction shall be reduced by use of pre mixed concrete, curing agents and other best practices.
- vii. Permission to draw ground water shall be obtained from competent authority prior to construction/operation of the project.
- viii. Separation of gray and black water should be done by the use of dual plumbing line. Treatment of 100% gray water by decentralized treatment should be done.
- 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. Use of glass may be reduced upto 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.

- xi. Roof should meet the prescriptive requirement as per energy conservation building code by using appropriate thermal insulation material to fulfill requirement.
- xii. 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 aspirational for non air conditioned spaces by use of appropriate thermal insulation to fulfill requirement.
- xiii. Storm water control and its reuse should be as per Central Ground Water Board and BIS standards for various applications.
- xiii. Necessary approval of competent authority of State Forest Department shall be obtained before starting construction.
- xiv. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- xv. Soil and ground water samples will be tested to ascertain that there is no threat to groundwater quality by leaching of heavy metals and other toxic contaminants.
- xvi. A First Aid Room will be provided at the project site both during construction and operation of the project.
- xvii. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- xviii. Disposal of muck including excavated material during construction phase should not create any adverse effects on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people.
- xix. Diesel power generating sets used during construction phase should be of enclosed type to prevent noise and should conform to rules made under Environment (Protection) Act 1986, prescribed for air and noise emission standards.
- xx. Ambient noise levels should conform to standards both during day and night when measured at boundary wall of the premises. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.
- xxi. The construction agencies shall use flyash based material/ products as per the provisions of fly ash notification of 14.9.1999 and as amended on 27.8.2003.
- xxii. Vehicles hired for bringing construction material at site should be in good condition and should have valid pollution under check (PUC) certificate and to conform to applicable air and noise emission standards and should be operated only during non-peaking hours.
- xxiii. Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they should not leach into the ground water.

- xxiv Any hazardous waste generated during construction phase should be disposed of as per applicable Rules & norms with necessary approvals of the Maharashtra Pollution Control Board.
- xxv 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.
- xxvi 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 had started without obtaining environmental clearance.

II. Operation Phase

The environmental clearance recommended to the project is subject to the specific conditions as follows:

- i. Necessary permission of competent authority shall be taken to store diesel in the premises for operation of DG set.
- ii. Diesel power generating sets proposed as source of back up power for lifts and common area illumination should be of enclosed type and conform to rules made under Environment (Protection) Act 1986, prescribed for air and noise emission standards as per CPCB guidelines. Exhausts should be discharged by stack, raised to 4 meters above the rooftop.
- iii. 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.
- iv. Noise barriers should be provided at appropriate locations so as to ensure that the noise levels do not exceed the prescribed standards.
- v. Weep holes in the compound walls shall be provided to ensure natural drainage of rainwater in the catchment area.
- vi. The sewage treatment plant of adequate capacity should be provided to treat sewage generated from the complex and it should be certified by an independent expert for adequacy as well as efficiency and should submit a report in this regard to the Ministry before the project is commissioned for operation. The wastewater should be treated to tertiary level and after treatment reused for flushing and landscaping. Discharge of treated sewage shall conform to the norms & standards prescribed by Maharashtra State Pollution Control Board.
- vii. Rainwater harvesting and ground water recharging shall be practiced. Oil & Grease trap shall be provided to remove oil and grease from the surface run off and suspended matter shall be removed in a settling tank before its utilization for rainwater harvesting.
- viii. The solid waste generated should be properly collected & segregated. Wet garbage should be composted and dry/inert solid waste should be disposed off to approved sites for land filling after recovering recyclable material.
- ix Any hazardous waste including biomedical waste should be disposed of as per applicable Rules & norms with necessary approvals of the Maharashtra State Pollution Control Board.

x The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous variety.

xi Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project.

xii. The ground water levels and its quality should be monitored regularly in consultation with Central Ground Water Authority.

xiii. A Report on the energy conservation measures should be prepared incorporating details about building materials & technology, R & U Factors etc and submitted to the Ministry in three months time.

xiv. The values of R & U for the Commercial building envelope should meet the requirements of the hot & humid climatic location. Details of the building envelope should be worked out and furnished in three months time.

xv. Energy conservation measures like installation of solar panels for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.

PART ? B. GENERAL CONDITIONS

i) This environmental clearance is subject to Hon?ble Supreme Court?s decision regarding siting of project near wildlife sanctuary.

ii) The environmental safeguards contained in the documents should be implemented in letter and spirit.

iii) Provision should be made for the supply of kerosene or cooking gas and pressure cooker to the laborers during construction phase.

iv) All the laborers to be engaged for construction works should be screened for health and adequately treated before the issue of work permits.

v) 6 monthly monitoring reports should be submitted to the Ministry and its Regional Office.

5. Officials from the Regional Office of MOEF, Bhopal who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the CCF, Regional office of MOEF, Bhopal.

6. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.

7. The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department (if required), State Forest Department, Wildlife Act 1972 etc. shall be obtained by project proponents from the competent authorities.

9. A copy of the environmental clearance letter would be marked to the local NGO(s) for their information.

10. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Maharashtra State Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <http://www.envfor.nic.in>. The advertisement should be made within 7 days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhopal.

11. These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986 and the Public Liability (Insurance) Act, 1991.

12. The project authority shall enter in to MOU with all buyers of the property to ensure operation and maintenance of the assets of the buildings.

(K.C. RATHORE)
Additional Director (IA)
rathore27@yahoo.com
Tele: 24360789

Copy to: -

1. The Secretary, Department of Environment, Government of Maharashtra, New Administrative Building, 15th Floor, Opp. Mantralaya, Mumbai.
2. The Member Secretary, Maharashtra State Pollution Control Board, Kalptaru Point, 3rd Floor, Near Sion Circle Opp. Cine Planet Cinema, Sion(E), Mumbai.
3. The CCF, Regional Office, Ministry of Environment & Forests, Bhopal.
4. IA - Division, MOEF, New Delhi - 110001.
5. Guard file.

(K. C. RATHORE)
Additional Director (IA)



A higher level of self-reliance

Date: 05/01/2019

To,
M/s. Manikchand Kumar Properties,
9/1, 9/2/1A to 9/2/7, Village
Undri, Pune, Maharashtra.

Sub: - Facilitating Solid Waste Management at your Residential/Commercial project "**Residential And Commercial**" situated at Survey No. 9/1, 9/2/1A to 9/2/7, Village Undri, 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.

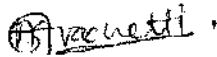
We will facilitate the collection of segregated dry waste (recyclables and non-recyclables: 780 Kg/Day, E Waste- 2006.5 Kg/Year) from your registered project "**Residential And Commercial**" situated at Survey No. 9/1, 9/2/1A to 9/2/7, Village Undri, Pune, Maharashtra through waste-picker members of SWaCH after completion of project.

Further, you have also confirmed that you have acquired the necessary equipment and infrastructure (OWC: Capacity 1159 kg/Year) 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,

For SWaCH Pune Seva Sahakari Sanstha Ltd



Authorized Signatory

05/01/2019



स्वच्छ पुणे सेवा सहकारी संस्था मर्यादित ही कचरावेचकांची स्वायत्त सहकारी संस्था असून वारीवार कचरा गोळा करण्याची सेवा परवण्याकरिता पुणे महानगरपालिकेने अधिकृत केलेली संस्था आहे. याची अधिकृत वेबसाईट: www.swachpune.org

STAMP OF APPROVAL
(D.P.), NEW LAYOUT UNDER DPO/8012/G/91,
DATED-22.12.2005
(D.P.), REVISED LAYOUT UNDER DPO/PLU7/0184/08/18,
DATED-26.08.2008
REVISED LAYOUT UNDER DPO/4350/11, DATED-20.03.2012
REVISED LAYOUT UNDER CC/0522/13, DATED-22.05.2013
REVISED LAYOUT UNDER CC/1211/15, DATED-16.07.2015
REVISED LAYOUT UNDER CC/3710/16, DATED-28.03.2017
REVISED LAYOUT UNDER CC/0674/19, DATED-25.06.2019

TRUE COPY
This is to certify that this is a True Copy
of the proposed approved subject to
conditions by P.M.C building control/
Development plan department vide their
Commerciale certificate No. CC/0674/19
Dated 25/6/2019
Name: AR. SAMEER VALIMBE
S.O. No. CA/92/14618

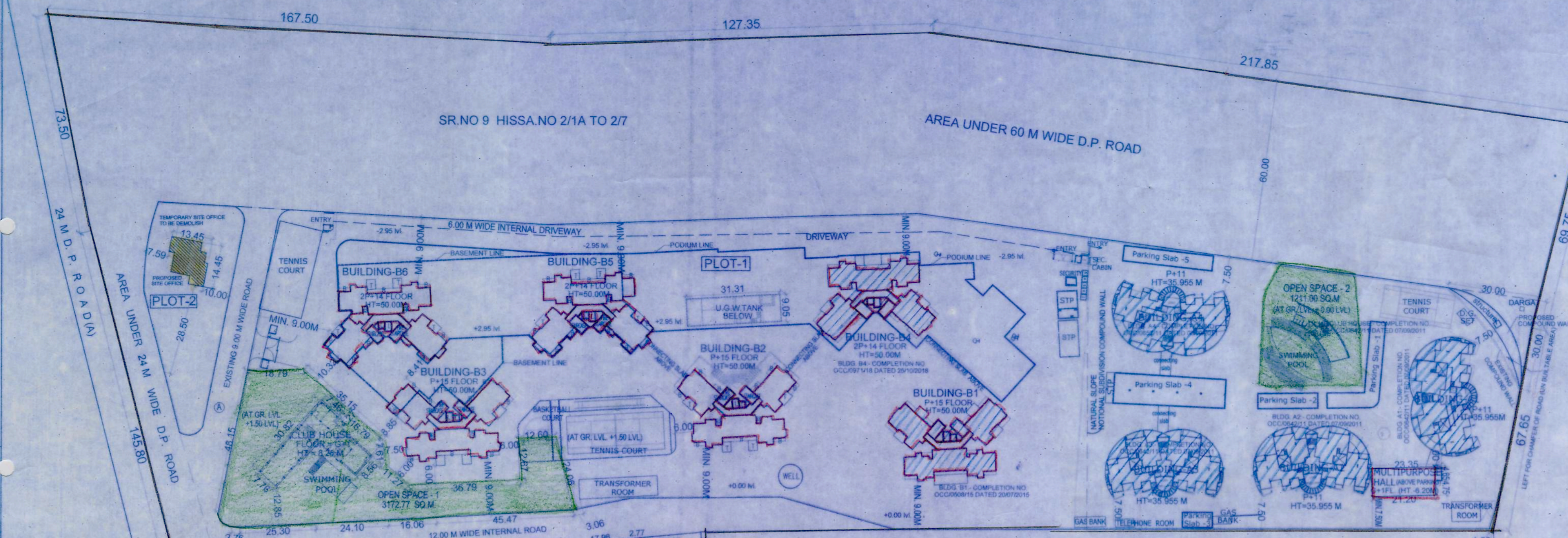


Table: PROPOSED F.S.I. CALCULATIONS: FOR PLOT-1+2+3:- MULTIPURPOSE HALL (COMMERCIAL)

Table: PROPOSED F.S.I. CALCULATIONS: FOR PLOT-1+2+3:- BUILDING B2, B3, B5 & B6

Table: EXISTING F.S.I. CALCULATIONS: FOR PLOT-1+2+3:- BUILDING - A1, A2, A3, A4

Table: EXISTING F.S.I. CALCULATIONS: FOR PLOT-1+2+3:- BUILDING B1 & B4

Table: TOTAL EXISTING F.S.I. CALCULATIONS: FOR PLOT-1+2+3:- BUILDING A1, A2, A3, A4, B1 & B4

Table: F.S.I. STATEMENT - C1, C2, C3, C4 RESI.+COMM. BUILDING (PLOT4)

Table: F.S.I. STATEMENT - C4 COMMERCIAL BUILDING (PLOT-4)

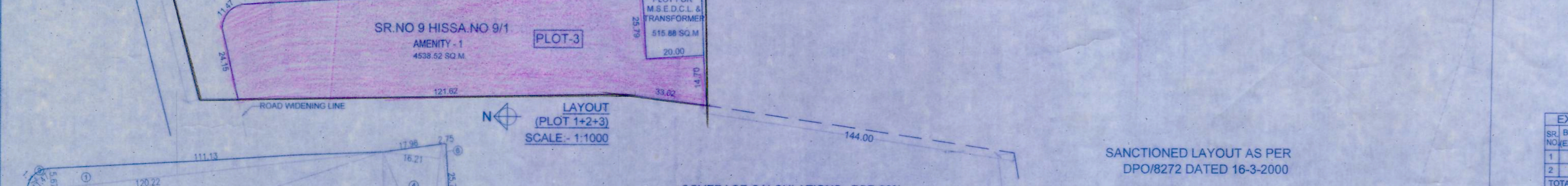


Table: COVERAGE CALCULATIONS FOR 20% COVERAGE AREA CALCULATION FOR PLOT-1

Table: COVERAGE CALCULATIONS FOR 20% COVERAGE AREA CALCULATION FOR PLOT-4

Table: PLOT-1+2+3: COVERAGE CALCULATIONS AT PARKING LEVEL COVERAGE CALCULATIONS: FOR 50%

Table: PLOT-4: COVERAGE CALCULATIONS AT PARKING LEVEL COVERAGE CALCULATIONS: FOR 50%

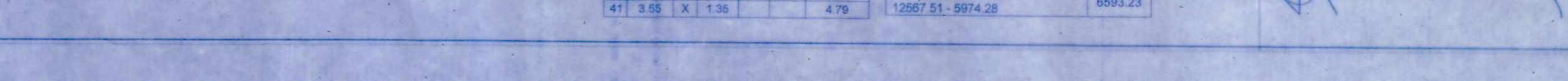
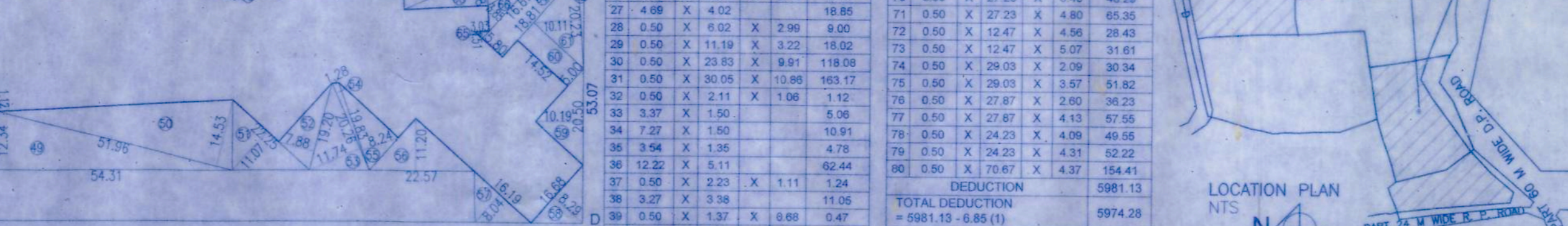
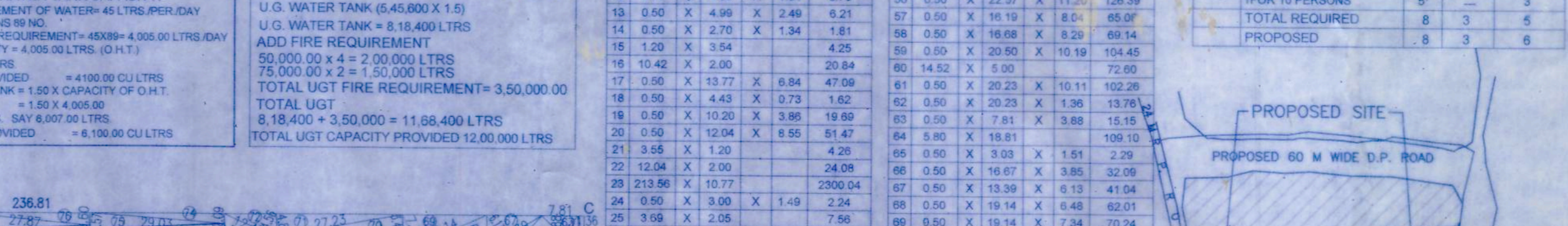
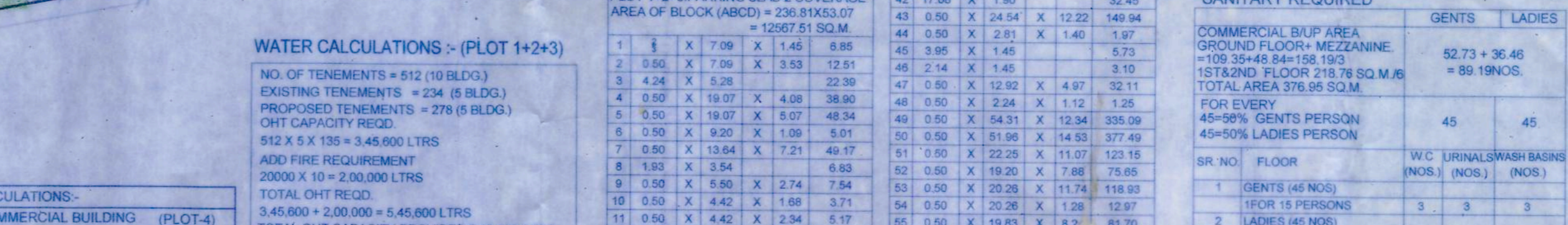
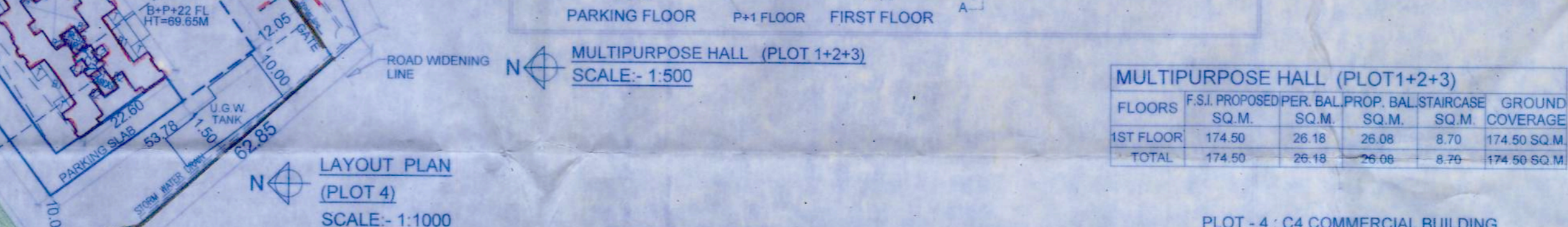
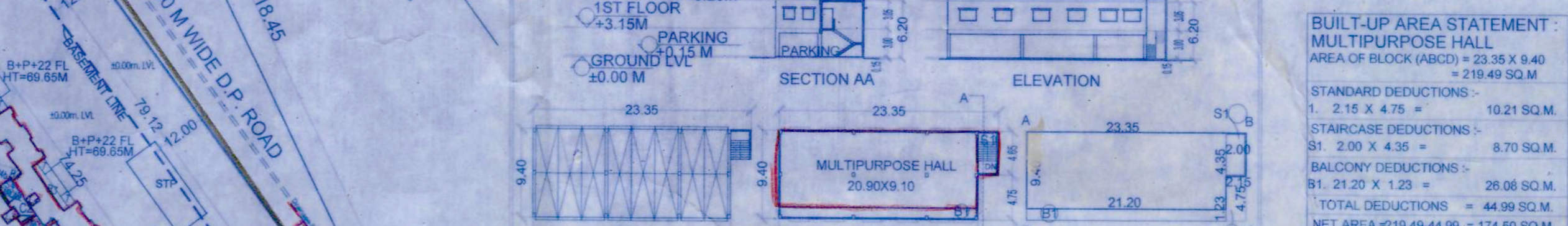
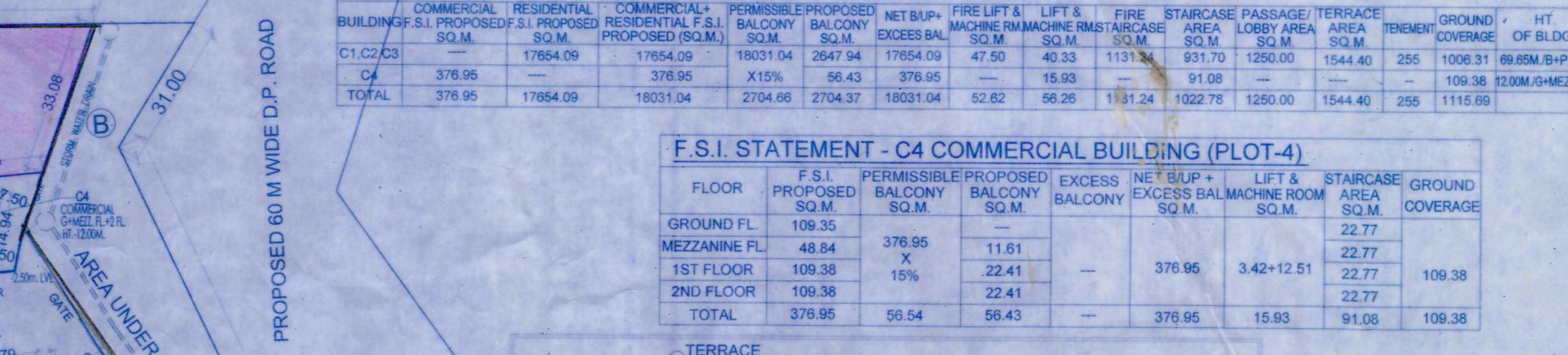
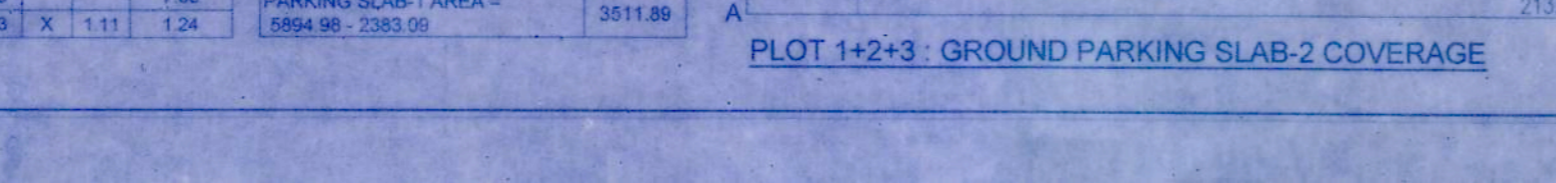
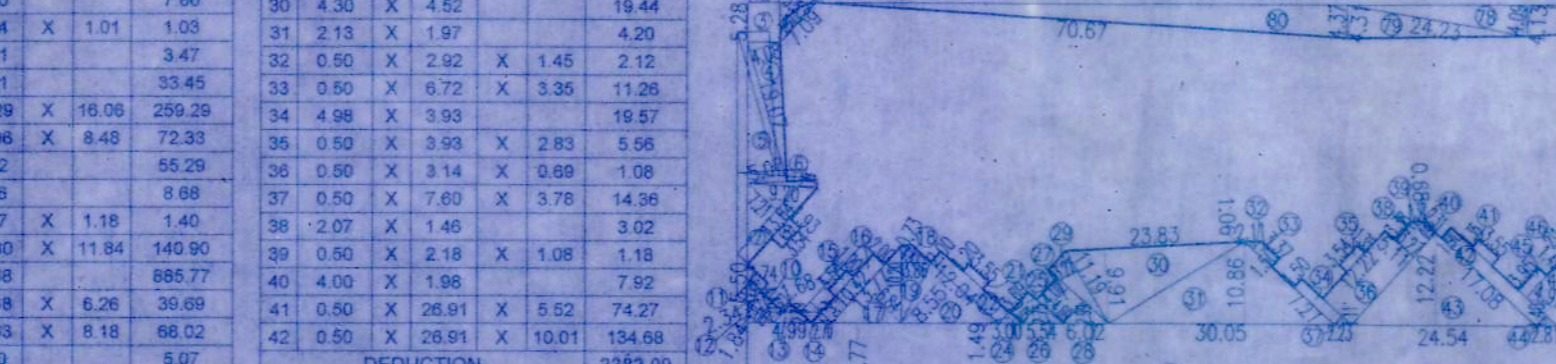
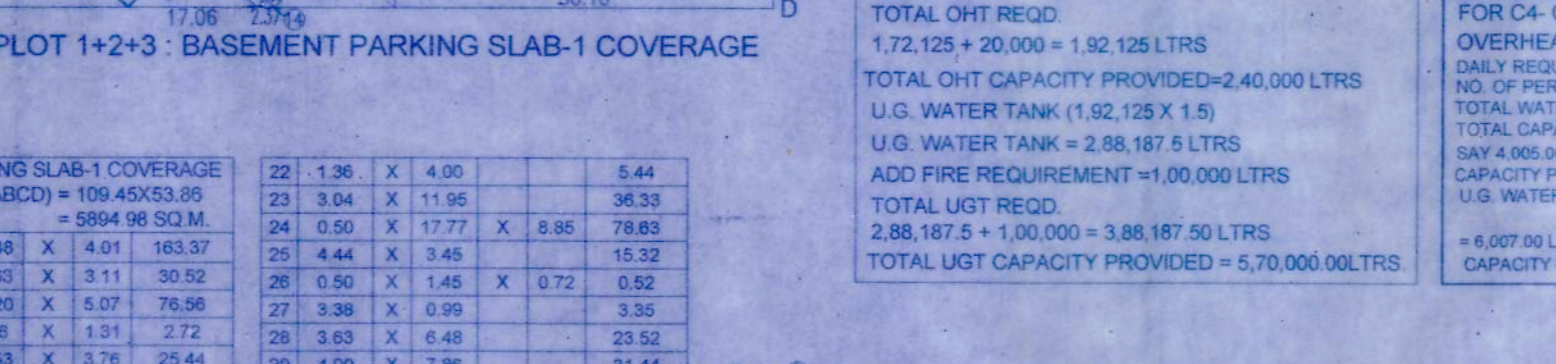
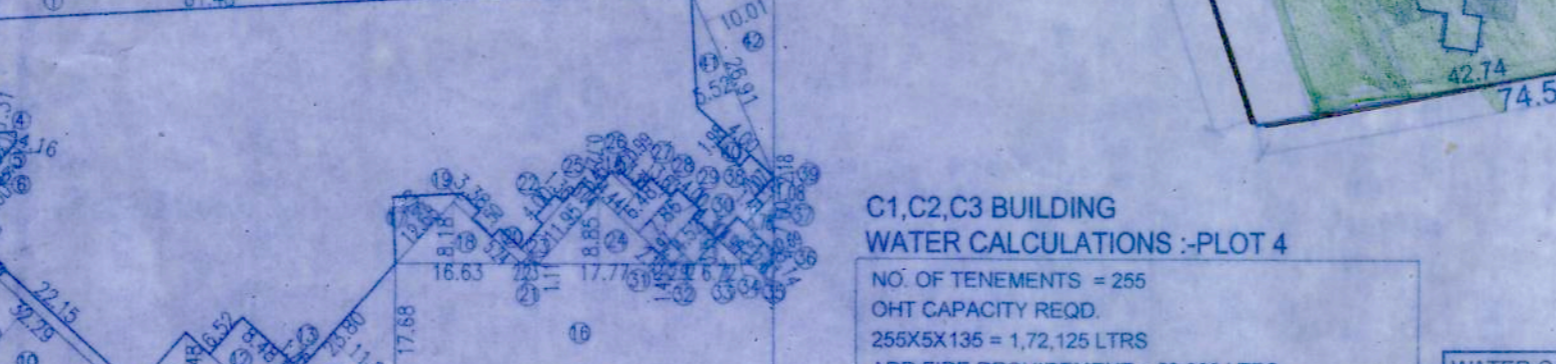
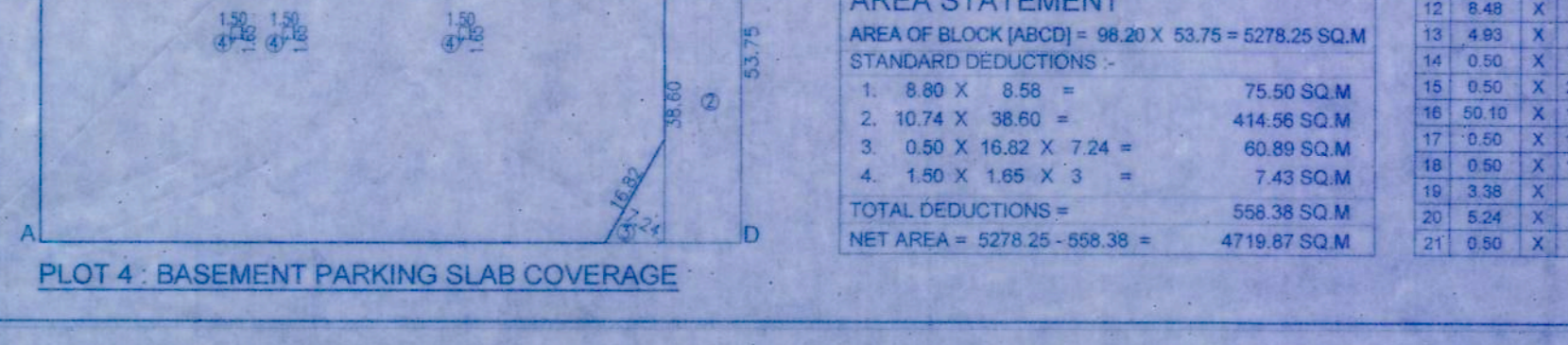
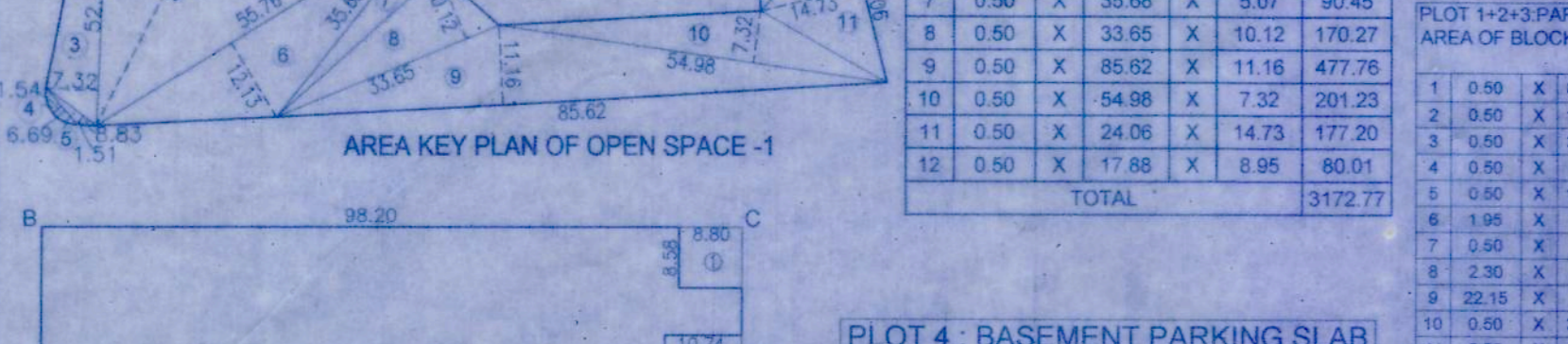
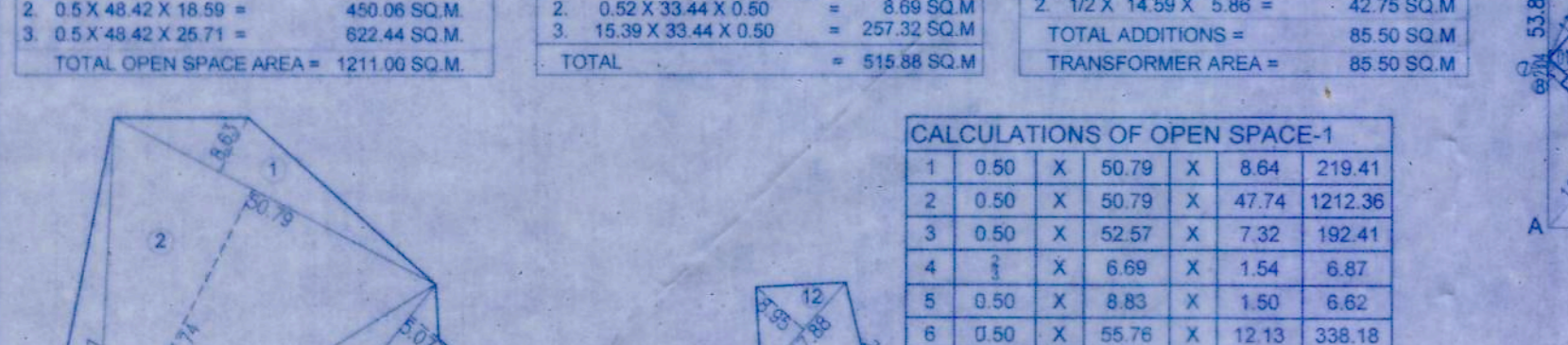
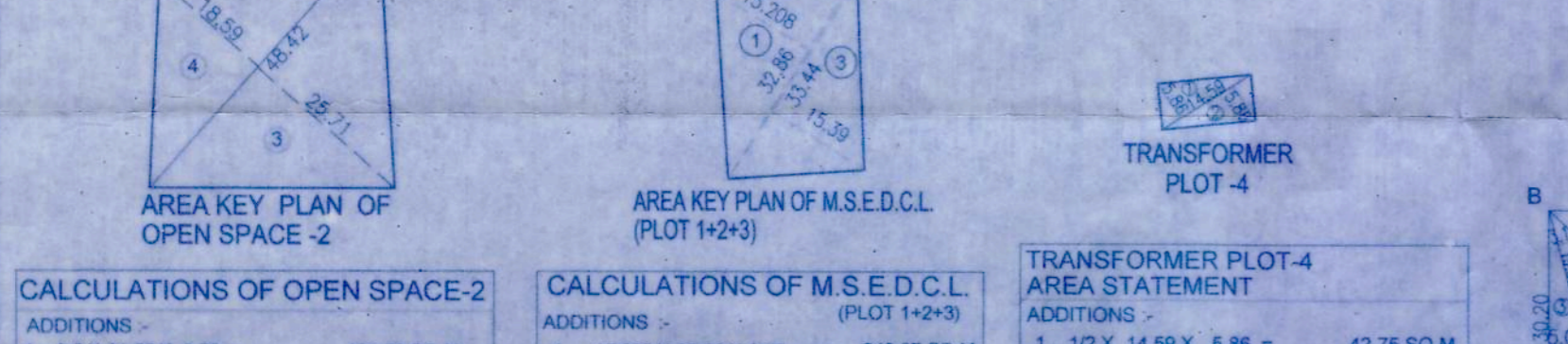
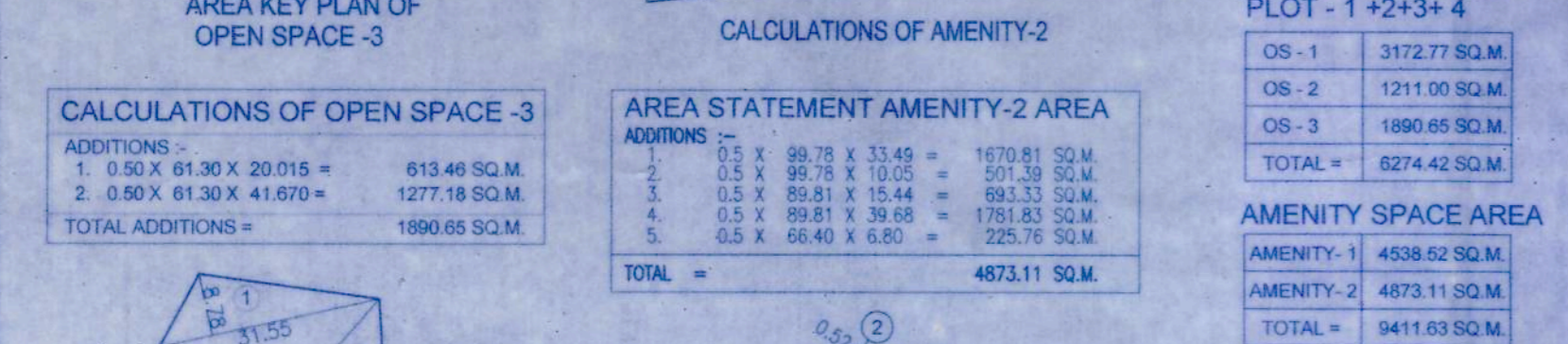
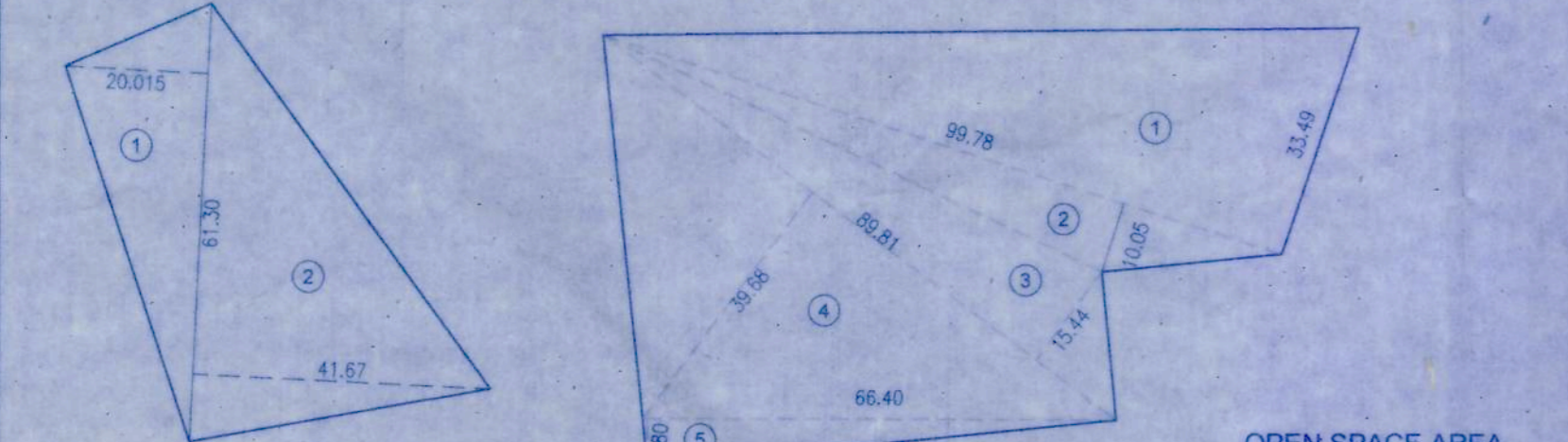
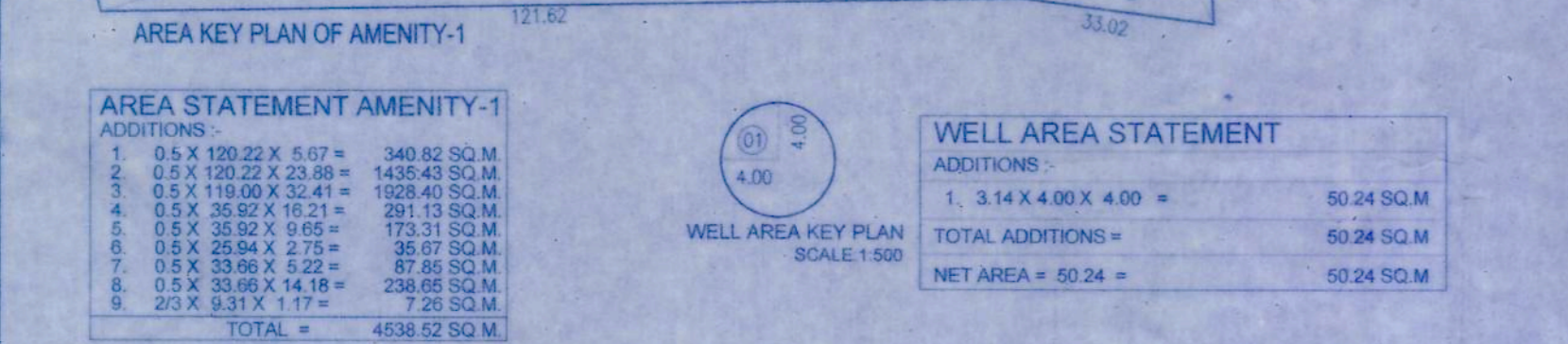


Table: AREA STATEMENT showing area of plot, deductions for roads, and other areas.

Table: AREA STATEMENT FOR PLOT-1+2+3 showing area of plot, deductions, and net area.

Table: AREA STATEMENT FOR PLOT-4 showing area of plot, deductions, and net area.

Table: LEGEND defining symbols for plot boundary, proposed work, etc.

NOTES: ALL DRAWINGS ARE PREPARED AS PER THE DOCUMENTS GIVEN BY THE OWNER P.A.H.

REVISOR'S NAME AND SIGNATURE OF OWNER

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 24010437/24020781
/24037124/24035273
Fax : 24044532/24024068
/24023516
Email : jdwater@mpcb.gov.in
Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor,
Sion- Matunga Scheme Road No. 8,
Opp. Cine Planet Cinema, Near Sion Circle,
Sion (E), Mumbai - 400022

Infrastructure /Red/LSI

Consent order No: Format1.0/BO/JD (WPC)/UAN-077627/CE/CC-2001000680

Date 1 2019 08/01/2020

To,

M/s. 'Kumar Princetown' of Manikchand Kumar Properties,

S. no. 9/1, 9/2/1A to 9/2/7, Village Undri, Tal: Haveli, Dist: Pune.

Sub: Revalidation of Consent to Establish with Expansion for Construction of Residential & Commercial Projects granted under Red Category.

- Ref:**
1. Consent to Establish granted vide No. BO/RO(P&P)/EIC No. PN-4045-09/E/CC-291 Dt. 07/08/2009
 2. Consent to Establish Expansion granted vide No. BO/ROHQ/PN-22799-14/CE-Extension/CC-11336 dt. 02/12/2014.
 3. Consent to Operate granted vide No. Format1.0/BO/ROHQ/CO/PN-19263-13/CC-2826 dt. 24/03/2014
 4. Renewal with amendment in consent to Operate (Part-I) granted vide No. Format1.0/BO/JD(WPC)/UAN-51742/CO/CC-19006001250 dt. 25/06/2019.
 5. Your Application vide UAN No. -000077627 Dated: 29/07/2019.
 6. Minutes of 8th Consent Committee meeting held on 26/11/2019.

For: Revalidation of Consent to Establish with Expansion for Construction of Residential & Commercial project 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 under Rule 5 of the Hazardous and Other Wastes (M & TM) Rules, 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent is granted for a period up to commissioning of the project or of 5 years whichever is earlier.
2. The proposed capital investment of the project is Rs.152.25 Cr.
(As per C.A certificate submitted by project proponent)

Revalidation of Consent to Establish with Expansion is valid for construction of Residential & Commercial Project named as M/s. 'Kumar Princetown' of Manikchand Kumar Properties, S. No. 9/1, 9/2/1A to 9/2/7, Village Undri, Tal: Haveli, Dist: Pune, for total plot area of 1,01,600.00 Sqm and Proposed total construction built up area 1,38,851.68 Sqm, including utilities and services and as per Commencement Certificate issued by local body.

3. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. No.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	NIL	NA	NA
2.	Domestic effluent	295	As per Schedule -I	60% should be reused & recycled and remaining should be discharged in municipal sewer

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

Sr. No.	Description of stack/ source	Capacity	Number Of Stack	Standards to be achieved
1.	DG Set	300 KVA	2	As Per Schedule -II

5. Conditions under Solid Waste Management Rules, 2016:

Sr. no.	Type Of Waste	Quantity & UOM	Treatment	Disposal
1	Wet garbage	168.00 Kg/Day	Organics waste Converter with composting facility / Biogas digester with composting facility	Used as Manure
2	Dry garbage	112.00 Kg/Day	--	Segregate and Hand over to Local Body for recycling
3.	STP sludge	6.00 Kg/day	STP	Used as manure

6. Conditions under Hazardous and Other Wastes (M & TM) Rules, 2016 for treatment and disposal of hazardous waste; NIL.
7. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same should be binding on the industry.
8. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
9. 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.
10. Project Proponent shall submit an affidavit in Board's prescribed format within 15 days regarding the compliance of conditions of EC/CRZ clearance and C to E.
11. Project Proponent shall install online monitoring systems for BOD, TSS and flow at the outlet of STP.
12. Project Proponent shall provide Organic waste digester with composting facility or Biogas digester with composting facility.
13. The applicant should comply with the conditions stipulated in Environmental Clearance Obtained from SEIAA, Environment Department, Government of Maharashtra, dt. 03/08/2019 for total plot area 1,01,600.00 Sqm and total construction BUA 1,38,851.68 Sqm.

For and on behalf of the
Maharashtra Pollution Control Board

(E. Ravendiran, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount (Rs.)	Transaction No.	Date	Drawn On
1	3,04,500/-	HDFCR52019080389856398	03/08/2019	HDFC Bank

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune-I -- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC desk- for record & website updating purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have proposed to install of Sewage Treatment Plants (STP) with the design capacity of 300.00 CMD

B] The Applicant shall operate the effluent 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.

1.	pH	Between	6.5 to 9.0
2.	Total Suspended Solids	Not more than	20 mg/l.
3.	BOD 3 Days 27 degree C	Not more than	10 mg/l.
4.	Chemical oxygen Demand (COD)	Not to more than	50 mg/l.
5.	NH4 N	Not more than	5 mg/l.
6.	N Total	Not more than	10 mg/l.
7.	Fecal Coliform MPN/100 MI	Less than	100.0

C) The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, firefighting, on land for gardening etc and remaining shall be discharged in to the municipal sewerage system.

D] Project proponent shall operate STP for five years from the date of obtaining occupation certificate.

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 should 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

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

3) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Domestic purpose	327.00

4) 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 install the Air pollution control (APC) system and also proposed to erect following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type Of Fuel	Quantity	UOM	S%	SO ₂
1.	DG Set (300 KVA)	Acoustic enclosure	3.46	HSD	27.4	Lit/Hr	--	--
2.	DG Set (300 KVA)	Acoustic enclosure	3.46	HSD	27.4	Lit/Hr	--	--

* Above roof of the building in which it is installed.

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

Particulate matter	Not to exceed	150 mg/Nm ³
--------------------	---------------	------------------------

3. The Applicant should obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement alteration well before its life come to an end or erection of new pollution control equipment. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary)



Schedule-III
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Establish	Rs. 10 lakh	15 Days	Towards Compliance of EC and consent conditions.	Up to Commissioning of the project	Up to Commissioning of the project

Maharashtra Pollution Control Board

General Conditions:

Schedule-IV

The following general conditions shall apply as per the type of the industry.

- 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 Rules, 2016 and E-Waste (Management) Rules, 2016.
- 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) The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
 - d) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - e) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - f) 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.
 - g) D.G. Set shall be operated only in case of power failure.
 - h) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - i) The applicant shall comply with the notification of MOEF dated 17.05.2002 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 Rules, 2016 & E-Waste (M) Rules, 2016.
- 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) The treated sewage shall be disinfected using suitable disinfection method
- 9) 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
- 10) The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.



GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers
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(No. Q - 1508 / 32 / 2007 - CPW)
(ISO 9001, 14001 & 45001 Certified Organizations)

Report No:- GCI/V/LAB/PEC/20-21/Feb-00/0070

Date: 20/02/2021

ANALYSIS REPORT

Client details		Sample Details	
Name	Kumar Princetown by Manikchand Kumar Properties	Sample Code	GCI/V/21/B2/KMK/AAQ1
Address	Survey No. 9/1, 9/2/1A to 9/2/7, village Undri, Pune	Location	NEAR SECURITY GATE
		Date of Sampling	09.02.2021
Sampling Done By	Mukesh	Date of Sample Received	10/02/2021
Analysis Starts On	10/02/2021	Sampling Instrument	RDS, FPS
Analysis Completion On	18/02/2021	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)	µg/m ³	43.2	100	IS 5182 : Part 23 : 2006
2	Particulate Matter (PM _{2.5})	µg/m ³	32.8	60	NAAQS Guidelines
3	Sulphur dioxide (SO ₂)	µg/m ³	11.5	80	IS 5182 : Part 2 : 2001
4	Oxides of Nitrogen (NO _x)	µg/m ³	18.9	80	IS 5182 : Part 6 : 2006
5	Carbon Monoxide CO	mg/m ³	0.46	2.0	IS 5182 : Part 10 : 1999
6	Ozone as O ₃	µg/m ³	13.7	100	NAAQS Guidelines
7	Lead as Pb	µg/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	µg/m ³	9.8	400	NAAQS Guidelines
11	Benzene , C ₆ H ₆	µg/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



Authorized Signatory

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Date: 20/02/2021

ANALYSIS REPORT

Client details		Sample Details	
Name	Kumar Princetown by Manikchand Kumar Properties	Sample Code	GCI/V/21/B2/KMK/AAQ2
Address	Survey No. 9/1, 9/2/1A to 9/2/7, village Undri, Pune	Location	SOUTHWEST CORNER OF SITE
		Date of Sampling	09/02/2021
Sampling Done By	Mukesh	Date of Sample Received	10/02/2021
Analysis Starts On	10/02/2021	Sampling Instrument	RDS, FPS
Analysis Completion On	18/02/2021	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)	µg/m ³	44.8	100	IS 5182 : Part 23 : 2006
2	Particulate Matter (PM _{2.5})	µg/m ³	31.1	60	NAAQS Guidelines
3	Sulphur dioxide (SO ₂)	µg/m ³	13.7	80	IS 5182 : Part 2 : 2001
4	Oxides of Nitrogen (NO _x)	µg/m ³	19.8	80	IS 5182 : Part 6 : 2006
5	Carbon Monoxide CO	mg/m ³	0.378	2.0	IS 5182 : Part 10 : 1999
6	Ozone as O ₃	µg/m ³	10.2	100	NAAQS Guidelines
7	Lead as Pb	µg/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	µg/m ³	10	400	NAAQS Guidelines
11	Benzene, C ₆ H ₆	µg/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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Date: 20.02.2021

ANALYSIS REPORT

Client details		Sample Details	
Name	Kumar Princetown by Manikchand Kumar Properties	Sample Code	GCI/V/21/B2/KMK/AAQ3
Address	Survey No. 9/1, 9/2/1A to 9/2/7, village Undri, Pune	Location	NORTHEAST CORNER OF SITE
		Date of Sampling	09/02/2021
Sampling Done By	Mukesh	Date of Sample Received	10/02/2021
Analysis Starts On	10/02/2021	Sampling Instrument	RDS, FPS
Analysis Completion On	18/02/2021	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)	µg/m ³	46.5	100	IS 5182 : Part 23 : 2006
2.	Particulate Matter (PM _{2.5})	µg/m ³	32.9	60	NAAQS Guidelines
3.	Sulphur dioxide (SO ₂)	µg/m ³	11.5	80	IS 5182 : Part 2 : 2001
4.	Oxides of Nitrogen (NO _x)	µg/m ³	19.4	80	IS 5182 : Part 6 : 2006
5.	Carbon Monoxide CO	mg/m ³	0.458	2.0	IS 5182 : Part 10 : 1999
6.	Ozone as O ₃	µg/m ³	19.2	100	NAAQS Guidelines
7.	Lead as Pb	µg/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	µg/m ³	13.9	400	NAAQS Guidelines
11.	Benzene , C ₆ H ₆	µg/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/PEC/20-21/Feb-00/0070

Date: 20/02/2021

ANALYSIS REPORT

Client Details		Sample Details	
Name	Kumar Princetown by Manikchand Kumar Properties	Sample Code	GCI/V/21/B2/KMK/N 1 To 3
Address	Survey No. 9/1, 9/2/1A to 9/2/7, village Undri, Pune	Location	As per table
		Quantity	NA
		Date of Measurement	09/02/2021
		Sampling Instrument	Sound Level Meter (HTC/SL-1352)
Measurement Done By	Mukesh	Sampling Method	HTC/SL-1352 Inst. Manual

NOISE MONITORING RESULTS

Sr. No.	Location Name	Units	Day Time		Night Time	
			Results	MPCB Permissible Limit	Results	MPCB Permissible Limit
1.	Near Security Gate	dB (A)	51.4	55	40.3	45
2.	Southwest Corner of the Site	dB (A)	50.3	55	41.8	45
3.	Northeast Corner of the Site	dB (A)	45.8	55	39.3	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/PEC/20-21/Feb-00/0070

Date: 20/02/2021

ANALYSIS REPORT

Client Details		Sample Details	
Name	Kumar Princetown by Manikchand Kumar Properties	Sample Code	GCI/V/21/B2/KMK/S1
Address	Survey No. 9/1, 9/2/1A to 9/2/7, village Undri, Pune	Location	SOIL – Project site
		Quantity	2.0 kg
Sampling Done By	Mukesh	Date of Sampling	09/02/2021
Analysis Starts on	10/02/2021		
Analysis Completion On	18/02/2021	Sample Received Date	10/02/2021

SOIL ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	Test Procedure
1	pH (1:5 Soil Suspension)	-	6.6	IS 2720 (Part 26):1987
2	Electrical Conductivity (1:5 Soil Suspension)	mS/cm	0.46	EPA Method 9045
3	Total Nitrogen as N	mg/kg	54.2	Kjeldahl Method
4	Phosphate as P	mg/kg	60.4	Olsen Method
5	Potassium as K	mg/kg	209	EPA 3050 B
6	Exchangeable Calcium as Ca	meq/100g	15.5	EPA 3050 B
7	Exchangeable Magnesium as Mg	meq/100g	14.4	EPA3050 B
8	Exchangeable Sodium as Na	meq/100g	0.82	EPA3050 B
9	Organic Matter	%	1.76	Walkey and Black Method
10	Texture	-	Sandy Clay	Robinson Pipette Method

BDL =Below Detectable Limit

DL =Detectable Limit



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Report No:- GCI/V/LAB/PEC/20-21/Feb-00/0070

Date: 20.02.2021

ANALYSIS REPORT

Client Details		Sample Details	
Name	Kumar Princetown by Manikchand Kumar Properties	Sample Code	GCI/V/21/B2/KMK/DW1
Address	Survey No. 9/1, 9/2/1A to 9/2/7, village Undri, Pune	Location	Municipal Water at Project Site
		Quantity	2000 ml
Sampling Done By	Mukesh	Date of Sampling	09/02/2021
Analysis Starts on	10/02/2021	Sampling Method	APHA 1060
Analysis Completion On	18/02/2021	Sample Received Date	10/02/2021

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	-	Agreeable	Agreeable	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	-	6.7	6.5-8.5	IS : 3025 Part 11- 1983 (Reaff:2002)
6	Total Dissolved Solids	mg/l	223	500	IS : 3025 Part 16-1984 (Reaff:2003)
7	Total Alkalinity as CaCO ₃	mg/l	94	200	IS : 3025 Part 23- 986(Reaff:2003)
8	Total Hardness as CaCO ₃	mg/l	82	200	IS : 3025 Part 21-2009
9	Calcium as Ca	mg/l	42	75	IS : 3025 Part 40-1991 (Reaff:2003)
10	Magnesium as Mg	mg/l	16	30	APHA 22nd EDITION-3500 Mg-B
11	Chloride as Cl-	mg/l	83	250	IS : 3025 Part 32-1988 (Reaff:2003)
12	Sulphate as SO ₄	mg/l	72	200	APHA 22nd EDN-4500- SO ₄ - E
13	Nitrate as NO ₃	mg/l	22	45	APHA 22nd EDN -4500- NO ₃ - B
14	Iron as Fe	mg/l	0.08	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	0.42	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	0.71	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 Cl ₂	mg/l	BDL (<0.10)	0.20	APHA 22nd EDN -4500-Cl B
22	Cadmium as Cd	mg/l	BDL (<0.03)	0.003	IS:3025 Part 48(Reaff:2003)
23	Aluminium	mg/l	BDL (<0.03)	0.03	IS:3025 Part:55 (Reaff:2003)

BDL =Below Detectable Limit



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Date: 20.02.2021

ANALYSIS REPORT

Client Details		Sample Details	
Name	Kumar Princetown by Manikchand Kumar Properties	Sample Code	GCI/V/21/B2/KMK/ST1
Address	Survey No. 9/1, 9/2/1A to 9/2/7, village Undri, Pune	Location	200 DG set
Sampling Done By	Mukesh	Date of Sampling	09.02.2021
		Sampling Method	APHA 1060

DG STACK EMISSION ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	MPCB Standard	Reference Method
1	Capacity of DG	KVA	200	-	
2	Material of DG	-	MS	-	
3	Stack Height	m	550	-	
4	Shape of Stack	-	Rectangle	-	
5	Diameter of Stack	m	0.1	-	
6	Flue gas temperature	0C	180	-	
7	Gas quantity	Nm ³ /hr	3357.2	-	
8	Stack emission			-	
a	Particulate Matter (PM10)	mg/N m ³	53.2	150 mg/N m ³	IS 11255 : Part 1
b	Sulphur dioxide (SO ₂)	µg/m ³	31.2	-	IS 11255 : Part 2
c	Oxides of Nitrogen (NOX)	µg/m ³	112.1	-	IS 11255 : Part 7



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Date: 20.02.2021

ANALYSIS REPORT

Client Details		Sample Details	
Name	Kumar Princetown by Manikchand Kumar Properties	Sample Code	GCI/V/21/B2/KMK/ST1
Address	Survey No. 9/1, 9/2/1A to 9/2/7, village Undri, Pune	Location	200 DG set
Sampling Done By	Mukesh	Date of Sampling	09.02.2021
		Sampling Method	APHA 1060

DG STACK EMISSION ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	MPCB Standard	Reference Method
1	Capacity of DG	KVA	200	-	
2	Material of DG	-	MS	-	
3	Stack Height	m	550	-	
4	Shape of Stack	-	Rectangle	-	
5	Diameter of Stack	m	0.1	-	
6	Flue gas temperature	0C	180	-	
7	Gas quantity	Nm ³ /hr	3357.2	-	
8	Stack emission			-	
a	Particulate Matter (PM10)	mg/N m ³	55.3	150 mg/N m ³	IS 11255 : Part 1
b	Sulphur dioxide (SO ₂)	µg/m ³	28.2	-	IS 11255 : Part 2
c	Oxides of Nitrogen (NOX)	µg/m ³	110.4	-	IS 11255 : Part 7



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Manikchand Kumar Properties

Kumar Capital, 1st Floor, 2413, East Street, Camp, Pune-411001. Tel :- 020-67641600 / 30583660 / 30528888 Fax :- 91-20-26353365
PAN No.- AANFM4061E, GSTIN/UIN - 27AANFM4061E1ZA

PROJECT : Princetown Towers - C3 (B+P+22) - 88 Flats - 2 Bhk	Suppliers : Arelcon RMC
Client : Manikchand Kumar Properties	Address : RMC Plant, Gat No.1234/A2, Ubale Nagar, Village Chowki Dhani Road, Wagholi, Pune - 412207.
Address : 1st Floor, Kumar Capital, 2413, East Street, Camp, Pune - 411001.	Mobile : 9552292222
PURCHASE ORDER	
Indent No : 1050020	PAN No : AAFPL4922K
Indent Date : 22/1/2019	Prov. GST No : 27AAFPL4922K1ZJ
Purchase Order No : 2055030	GST No : 27AAFPL4922K1ZJ
Purchase Order Date : 28/01/2019	KIND ATTN :
Prepared By : Ganesh Gajakas	

Delivery Address : " Princetown Towers C3",
Sr.No.9, Undri,
Punyacham Ashram Road, Pune - 411048.
Mr. Mallikarjun, M- 8411022557

Please supply the under mentioned goods in accordance with the terms over leaf.

Req.No - 2470 Dt-19/01/2019 For Slab Concreting Work

(B/B)

NO	Item Code	Description	Unit	Quantity	Price	Amount	CGST %	SGST %	HSN Code
1	04-010-01-050	RMC M-25 With Pump, OPC+PFA(265+90), Slump : 120+, 28 Days Strength : FCK+3	m3	106.000	4300.85	455890.10	9.00	9.00	3824.50.10
Basic						455890.10			
CGST						41030.11			
SGST						41030.11			
Total Order Value						537950.32			

Tax Code	Net Amount	% Taxes	Amount Taxes
CGST	455890.10	9.000	41030.11
SGST	455890.10	9.000	41030.11

Amount (in words) Rupees :- Five Lakh Thirty Seven Thousand Nine Hundred Fifty Rupees And Thirty Two Paise Only

Terms and Conditions :-

GST - Inclusive, Transport - Inclusive, Loading - Inclusive, Unloading - Inclusive.

- All delivery challans / bills should indicate our Purchase Order No. & other relevant information in them, size, quantity, etc.
- Only items & quantities mentioned on the purchase order will be accepted at site. The same will be in complete sets only.
- Strictly adhere to the delivery schedule mentioned on the purchase order.
- Delivery at site accepted between 10 am to 5.30 pm on all working days except Sunday & Holidays.
- All rejections / defective items / inferior quality will be reduced from the bill.
- This purchase order is valid for 8 days from the date of issue.
- Subject to pune jurisdiction only.
- Cheques will be issued after 30 days of receiving the bill / bills.
- The Company would pay GST as per the rate mentioned in the Purchase order. In case of any dispute with respect to the GST rate charged on the invoice with respect to supply of goods/ services, the Company is not responsible for any additional liability with respect to the same. In case of decrease in GST liability, the supplier is liable to pass on the said benefit.
- Vendor undertakes to remit the applicable GST to the appropriate authority within the time specified in the GST Law. The Vendor undertakes to submit all necessary information, documents and other evidences, including the copy of Vendor's registration certificate, copy of challan evidencing payment of GST and such other documents that may be required by the Company to claim the credit of GST charged to it by the Vendor. In the event, the Vendor does not file the appropriate return(s) remit the under GST as stated above and which has resulted in denial of credit to the Company, if any, then Vendor shall become liable to promptly, without delay or demur, reimburse to Company all the corresponding amount of GST along with interest, if any.
- All Material Carrying Vehicle entering in the Delivery Premises should carry valid PUC.
- All Vehicles carrying Materials which may emit dust should be covered.



Adequacy and efficiency audit report

Intent:

- Treat waste water generated on-site, so as to avoid polluting the receiving streams by safe disposal and reduce the burden on centralized municipal water treatment plants
- Operation efficiency of the plant along with the treated water confirming to the CPCB norms.

Approach:

Capacity Verification:

The project has installed on-site STP plant and waste water is treated on-site. The treated waste water is then used for irrigation. There are 2 STP plants in the project, one for building A1 to A4 and other for B1, B2 & B4. The capacity of STP plants are 100 & 100 KLD respectively. Together, these cater to the complete requirement of the project. The calculation of the waste water quantity generation is estimated as:

Quantification of wastewater generated:

Total Number of Dwelling Units (A1-A4)	: 176
Total Number of Dwelling Units (B1 ,B2 & B4)	: 169
Total Number of units	: 345
Average number of occupants in each unit	: 5
Total number of occupants	: 1725
Average water consumption per person (litres/ day)	: 135 lit/person :
Total water requirement by all occupants per day (in KLD)	: 233 KLD
Considering 85% diversity, the wastewater generation would be	: 198 KLD
Installed capacity of STP	: 200 KLD

Operation Efficiency:

The STP plants are installed and operational. The STP plant installed with tertiary treatment plant and based on SMBR technology. The output water is tested regularly, and the recent lab test report is attached, which shows that the parameters of the treated water comply to the CPCB norms.



Photographs of the project:





The attachments:

1. PO of STP plants with capacity
2. Lab test reports of 2018 and 2019



GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers
(Recognized By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)
(No. Q - 1508 / 32 / 2007 - CPW)
(ISO 9001, 14001 & 45001 Certified Organizations)

Report No:- GCI/V/LAB/PEC/20-21/Feb-00/0070

Date: 20/02/2021

ANALYSIS REPORT

Client Details		Sample Details	
Name	Kumar Princetown by Manikchand Kumar Properties.	Sample Code	GCI/V/21/B2/KMK/WW1
Address	S. No. 9/1, 9/2/1A to 9/2/7, village Undri, Dist: Pune	Location	Outlet sample of STP- 100 KLD
		Quantity	2000 ml
Sampling Done By	Mukesh	Date of Sampling	09/02/2021
Analysis Starts on	10/02/2021	Sampling Method	APHA 1060
Analysis Completion On	18/02/2021	Sample Received Date	10/02/2021

TREATED WATER ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	Concentration not to be exceeded	Reference Method
1	pH at 25 °C	-	7.2	6.5-9.0	IS 3025 (Part 11) (1983)
2	BOD (3 days @ 27°C)	Mg/l	8.9	10	IS 3025 part 44 (1993 Reaffirmed 2003)
3	Total Suspended Solids	Mg/l	14.6	<20	APHA 2540 D (22nd Edition)
4	COD	Mg/l	35	50	USEPA 410.4
5	Oil & Grease	Mg/l	8.4	NS	IS 3025 (Part 39) (1991)

BDL =Below Detectable Limit



Authorized Signatory

- Analysis is subject to the condition in which the sample is received at our Laboratory.
- Reports can not be used as an evidence anywhere including judiciary purpose without our prior permission.
- Sample will be retained till one month from the date of sampling.



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(ISO 9001, 14001 & 45001 Certified Organizations)

Report No:- GCI/V/LAB/PEC/20-21/Feb-00/0070

Date: 20/02/2021

ANALYSIS REPORT

Client Details		Sample Details	
Name	Kumar Princetown by Manikchand Kumar Properties.	Sample Code	GCI/V/21/B2/KMK/WW2
Address	S. No. 9/1, 9/2/1A to 9/2/7, village Undri, Dist: Pune	Location	Outlet sample of STP- 100 KLD
		Quantity	2000 ml
Sampling Done By	Mukesh	Date of Sampling	09/02/2021
Analysis Starts on	10/02/2021	Sampling Method	APHA 1060
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TREATED WATER ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	Concentration not to be exceeded	Reference Method
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3	Total Suspended Solids	Mg/l	9.2	<20	APHA 2540 D (22nd Edition)
4	COD	Mg/l	36	50	USEPA 410.4
5	Oil & Grease	Mg/l	8.1	NS	IS 3025 (Part 39) (1991)

BDL =Below Detectable Limit



Authorized Signatory

- Analysis is subject to the condition in which the sample is received at our laboratory.
- Reports can not be used as an evidence anywhere including judiciary purpose without our prior permission.
- Sample will be retained till one month from the date of sampling.



kumar properties <kumarworldcompliance2025@gmail.com>

Six Monthly Compliance Report for period April 2020 to September 2020 for project -Manikchand Kumar Properties

kumar properties <kumarworldcompliance2025@gmail.com>

Tue, Dec 1, 2020 at 5:23 PM

To: eccompliance-mh@gov.in

Bcc: MoEF11@kumarworld.com

Dear Sir/Madam,

Please find the Post EC Compliance Report attached herewith for Period of April 2020 to September 2020 of Residential cum Commercial

 [POEC report_Prince town_April 2020 to September...](#)

project proposed on plot bearing Survey No. 9/1(Pt), village Undri, Dist: Pune, Maharashtra by Manikchand Kumar Properties.,with reference to Environmental Clearance Letter No. 21-221/2007-IA.III dated 24 December 2007. and further extension of EC no. 21-221/2007-IA.III dated 11th June 2014 and further expansion in EC was obtained no. SEIAA-EC-0000001925 dated 3.08.2019.

Hope this is in line with your requirement.

Thanking you
Yours Sincere

Manikchand Kumar Properties



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1	Visit Report	Visit Report	23-08-2019	Download Message

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Sr No.	Document Category	Document Name	Date	Action
1	Detailed proposal of pollution control system	Details of Pollution control system	29-07-2019	Download
2	Other	EC extension letter_2014	29-07-2019	Download
3	Previous Consent copy	Previous CFE_2009	29-07-2019	Download
4	Other	EC amendment MOM of SEAC-3	29-07-2019	Download
5	Other	Bank Guarantee for CTE dt. 02/12/2014	22-08-2019	Download
6	Previous Consent copy	Previous CFE_2014	29-07-2019	Download
7	Other	Six Monthly Report-Princetown_Oct 2019 to MArch 2020	23-07-2020	Download
8	Other	Bank Guarantee for CTO dt. 25/06/2019	22-08-2019	Download
9	Previous Consent copy	Previous CTO copy	29-07-2019	Download
10	Other	Six monthly Compliance report-Princetown-April to sep-2019	20-01-2020	Download
11	Industry Registration	Industry Registration Certificate	29-07-2019	Download
12	Other	Water Balance chart	29-07-2019	Download
13	Environment Clearance copy of existing product	Latest EC Expansion Copy 2019	16-08-2019	Download
14	CA Certificate Balance Sheet Capital Investment	CA Certificate	29-07-2019	Download
15	Previous Consent copy	CTO amendment copy_ 2019	29-07-2019	Download
16	Manufacturing Process	Manufacturing Process	29-07-2019	Download
17	Other	Architect Certificate	29-07-2019	Download
18	Land Ownership Certificate	Land Ownership Document	29-07-2019	Download
19	Other	EC letter_2007	29-07-2019	Download

Six Monthly Compliance
Report-Princetown_April to
Sept 2020

01-12-2020

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Note: For infrastructure projects submit architecture area statement additionally.

Note: If project attracts EIA notifications submit environmental clearance copy and for infrastructure project environmental clearance & architect completion certificate.

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MANIKCHAND KUMAR PROPERTIES

REGISTERED ADDRESS : KUMAR CAPITAL, 2413, EAST STREET, CAMP, PUNE - 411 001. TEL : 30528866, 30583826
FAX : 91-20-26353365 Email : contact@kumarworld.com Website : www.kumarworld.com

To
Chairman, SEIAA
Environment Department,
15th Floor, New Administrative Building,
Mantralaya, Mumbai-400032

Date: 08/12/2020

Recd
15.12.20
आवक लिपिक (नों.शा.)
पर्यावरण व वातावरणीय बदल विभाग
मंत्रालय, मुंबई ४०० ०३२

Sub: Post EC Compliance Report for Period of April to September 2020 of Residential and Commercial Project at S. No. 9/1(Pt), village Undri, Dist: Pune, Maharashtra being developed by Manikchand Kumar Properties

Ref.: Environmental Clearance Letter No. 21-221/2007-IA.III dated 11th June, 2014 & expansion in EC SEIAA-EC-0000001925 dated 3.08.2019

Dear Sir/Madam

As per the condition laid down in the Environmental Clearance Letter, we are submitting herewith post EC compliance report of our Residential and Commercial Project for period of April to September 2020.

Hope this is in line with your requirement.

Thanking you.

Sandeep

For, Manikchand Kumar Properties

CC: I.MPCB -Member Secretary, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Sion, Mumbai, Maharashtra 400022.



MANIKCHAND KUMAR PROPERTIES

REGISTERED ADDRESS : KUMAR CAPITAL, 2413, EAST STREET, CAMP, PUNE - 411 001. TEL. : 30628866, 30987026
FAX : 91-20-26353365 Email : contact@kumarworld.com Website : www.kumarworld.com

Date: 08/12/2020

To
Chairman, SEIAA
Environment Department,
15th Floor, New Administrative Building,
Mantralaya, Mumbai-400032

Sub: Post EC Compliance Report for Period of April to September 2020 of Residential and Commercial Project at S. No. 9/1(Pt), village Undri, Dist: Pune, Maharashtra being developed by Manikchand Kumar Properties

Ref: Environmental Clearance Letter No. 21-221/2007-IA.III dated 11th June, 2014 & expansion in EC SEIAA-EC-0000001925 dated 3.08.2019

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Hope this is in line with your requirement.

Thanking you.

Sandeep

For, Manikchand Kumar Properties

12/12/20
महाराष्ट्र प्रदूषण नियंत्रण मंडळ,
- स्टाफ पोस्ट - २, ३/४ या मजळ, माना मॉडेल नगर,
मुंबई - ४०० ०२२
फोन २४०१०४३९/२४०२०६६९

CC: 1.MPCB -Member Secretary, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Sion, Mumbai, Maharashtra 400022.



kumar properties <kumarworldcompliance2025@gmail.com>

Six Monthly Compliance Report for period October 2019 to March 2020 for project -Manikchand Kumar Properties

kumar properties <kumarworldcompliance2025@gmail.com>

Mon, Jul 20, 2020 at 7:03 PM

To: eccompliance-mh@gov.in

Bcc: MoEF8@kumarworld.com

Dear Sir/Madam,

Please find the Post EC Compliance Report attached herewith for Period of October 2019 to March 2020 of Residential project proposed on plot bearing Survey No. 9/1(Pt), village Undri, Dist: Pune, Maharashtra by Manikchand Kumar Properties.,with reference to Environmental Clearance Letter No. 21-221/2007-IA.III dated 24 December 2007. and further extension of EC no. 21-221/2007-IA.III dated 11th June 2014 and further expansion in EC was obtained no. SEIAA-EC-0000001925 dated 3.08.2019.

 [0-POEC report_Prince town_Oct 2019 to March 202...](#)

Hope this is in line with your requirement.

Thanking you

Yours Sincere

Manikchand Kumar Properties



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6	Other	Bank Guarantee for CTO dt. 25/06/2019	22-08-2019	Download Message Delete
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Note: If project attracts EIA notifications submit environmental clearance copy and for infrastructure project environmental clearance & architect completion certificate.

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kumar properties <kumarworldcompliance2025@gmail.com>

Six Monthly Compliance Report for period April 2019 to September 2019 for project - Manikchand Kumar Properties

kumar properties <kumarworldcompliance2025@gmail.com>

Fri, Jan 17, 2020 at 3:18 PM

To: ecompliance-mh@gov.in

Bcc: teenu.vyas@kumarworld.com, Pradnya Raskar <pradnya.raskar@kumarworld.com>, Samir Patil

<samir.patil@kumarworld.com>, Sandeep Shinde <sandeep.shinde@kumarworld.com>, supriya.patil@kumarworld.com

Dear Sir/Madam

Please find the Post EC Compliance Report attached herewith for Period April to September 2019 of Residential project proposed on plot bearing Survey No. 9/1(Pt), village Undri, Dist: Pune, Maharashtra by Manikchand Kumar Properties.,with reference to Environmental Clearance Letter No. 21-221/2007-IA.III dated 24 December 2007. and further extension of EC no. 21-221/2007-IA.III dated 11th June 2014.

Hope this is in line with your requirement.

Thanking you
Yours Sincere

Manikchand Kumar Properties

**Final Compliance report_Princetown_April to september 19.pdf**

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1	Other	Bank Guarantee for CTE dt. 02/12/2014	22-08-2019	Download Message Delete
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MANIKCHAND KUMAR PROPERTIES

REGD. OFFICE ADDRESS: 15th FLOOR, NEW ADMINISTRATIVE BUILDING, 15th FLOOR, NEW ADMINISTRATIVE BUILDING, MANTRALAYA, MUMBAI-400032.
FAX: 9172 2638306, email: contact@manikchand.com Website: www.manikchand.com

To
Chairman, SEIAA
Environment Department,
15th Floor, New Administrative Building,
Mantralaya, Mumbai-400032

By
3-6-2019
आवक लियोक
पर्यावरण विभाग
मंत्रालय, मुंबई

Date: 03/06/2019

Sub: Post EC Compliance Report for Period of October 2018 to March 2019 of Residential Project "Princetown" At S. No. 9/1(Pt), village Undri, Dist: Pune, Maharashtra by M/s. Manikchand Kumar Properties.

Ref.: Environmental Clearance Letter No. 21-221/2007-1A.III dated 24th December 2007 and its extension dated 11th June, 2014

Dear Sir/Madam

As per the condition laid down in the Environmental Clearance Letter, we are submitting herewith post EC compliance report of our Residential Project "Princetown" for period of October 2018 to March 2019.

Hope this is in line with your requirement.

Thanking you

Yours Sincerely

M/s. Manikchand Kumar Properties



MANIKCHAND KUMAR PROPERTIES

REGISTERED ADDRESS: KUMAR DAP TAL. 2413, EAST STREET, CAMP, PUNE - 411 001. TEL: 020-25753205, 25753206
FAX: 31-20-25753205, e-mail: contact@manikchand.com Website: www.manikchand.com

Date: 03/06/2019

To
Member Secretary
MPCB
Kalpataru Point, 3rd and 4th floor,
Opp. Cine Planet, Sion Circle,
Sion, Mumbai, Maharashtra 400022

Sub: Post EC Compliance Report for Period of October 2018 to March 2019 of Residential Project "Princetown" At S. no. 9/1(Pt), village Undri, Dist: Pune, Maharashtra by M/s. Manikchand Kumar Properties.

Ref.: Environmental Clearance Letter No. 21-221/2007-IA.III dated 24th December 2007 and its extension dated 11th June, 2014.

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Hope this is in line with your requirement.



Thanking you

Yours Sincerely

M/s. Manikchand Kumar Properties

A 3.6.2019
आवक विभाग (मुख्यालय)
पहाराष्ट्र प्रदूषण नियंत्रण मंडळ,
कल्याण पार्क, ३रा मजला, सायन सर्कल,
सिनेप्लेनेट सपोर, सायन (पूर्व),
मुंबई - ४०० ०२२.
फोन :- २४०१०४३७ / २४०२०७८१.

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Manikchand Kumar Properties

Correspondence Address: "Kumar Capital" 1st Floor, 2413, Eas: Street, Camp, Pune - 411 001

Ph.No. 26350660, 3052 6988 FAX: 262153355

भारत सरकार
पर्यावरण एवं वन विभाग
पर्यावरण एवं वन विभाग
Min. of Environment & Forests
भारत सरकार / Govt. of India
नं. ए. ए. ए. बिल्डिंग, लोदी रोड
CGO Complex, Lodi Road
नई दिल्ली, / New Delhi-110010

Date: 25/12/2009

The Additional Director (IA)
Ministry of Environment and Forests,
Paryavaran Bhawan, CGO Complex,
Lodi Road, New Delhi - 110 003

Sub: Post EC Monitoring report for Construction of Proposed Residential Complex at S.No. 9/1(pt) Undri, Pune by M/s. Manikchand Kumar Properties

Ref: Environmental Clearance No. 21-221/2007-IA-III dated December 24, 2007.

Dear Sir,

This is in reference to the requirement stated in the Environmental Clearance No. 21-221/2007-IA-III Dated: December 24, 2007 for our above mentioned Residential Complex at Undri, Pune

In accordance to EC requirement, please find enclosed herewith following documents for your kind reference.

1. Data sheet (July, 2009 - December, 2009)
2. EC Letter
3. Compliance report
4. Post Environment Monitoring Report (July, '09 - September, '09)
5. Post Environment Monitoring Report (October, '09 - December, '09)
6. Annexure I - Project Details
7. Advertisement
8. CFE Copy
9. Project status report

Hope the above is in line with your requirement and kindly acknowledge the receipt.

Thanking you,

Yours faithfully,

For M/s. Manikchand Kumar Properties



MANIKCHAND KUMAR PROPERTIES

Correspondence Address: "Kumar Capital" 1st Floor, 2413, East Street, Camp, Pune - 411 001. Tel.:26350660, 3052 8888, Fax: 26353365

Date: September 16, 2013

To,
The Secretary,
Department of Environment
Govt. of Maharashtra, 15th floor,
New Administrative building,
Mantralaya, Mumbai- 400 032

Sub: Post EC Monitoring report for Construction of Proposed Residential Complex- "Princetown" at S. No. 9/1(pt) Undri, Pune by M/s. Manikchand Kumar Properties.

Ref: Environmental Clearance No. 21-221/2007-IA-III dated 24th December, 2007.

Dear Sir,

This is in reference to the requirement stated in the Environmental Clearance No. 21-221/2007-IA-III dated 24th December, 2007 for our above mentioned Residential Complex at Undri, Pune.

In accordance to EC requirement, please find enclosed herewith following documents for your kind reference.

1. Data sheet (January,2013-June,2013)
2. EC Letter
3. Compliance report
4. Post Environment Monitoring Report (January,2013-March,2013)
5. Post Environment Monitoring Report (April,2013-June,2013)
6. Annexure I - Project Details
7. News Paper Advertisement
8. CFE Copy
9. Project Status Report
10. Also find attached set of previous post EC reports for the following period for your kind reference.
 - i. October 2010 to March 2011
 - ii. April 2011 to September 2011
 - iii. October 2011 to March 2012

Hope the above is in line with your requirement and kindly acknowledge the receipt.

Thanking you,

Yours faithfully,
For, M/s. Manikchand Kumar Properties

CC: The CCF, Regional Office, Western Region, "Kendriya Paryavaran Bhavan" Link Road No. 3 Raishankar Nagar, Bhopal- 462 016. (M. P.)



MANIKCHAND KUMAR PROPERTIES

Correspondence Address: "Kumar Capital" 1st Floor, 2413, East Street, Camp, Pune - 411 001. Tel.:26350660, 3052 8888, Fax: 26353365

Date: September 16, 2013

To,
The CCF,
Regional Office, Western Region,
"Kendriya Paryavaran Bhavan"
Link Road No. 3, Raishankar Nagar,
Bhopal- 462 016. (M. P.)

Sub: Post EC Monitoring report for Construction of Proposed Residential Complex- "Princetown" at S. No. 9/1(pt) Undri, Pune by M/s. Manikchand Kumar Properties.

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5. Post Environment Monitoring Report (April,2013-June,2013)
6. Annexure I - Project Details
7. News Paper Advertisement
8. CFE Copy
9. Project Status Report
10. Also find attached set of previous post EC reports for the following period for your kind reference.
 - i. October 2010 to March 2011
 - ii. April 2011 to September 2011
 - iii. October 2011 to March 2012

Hope the above is in line with your requirement and kindly acknowledge the receipt.

Thanking you,

Yours faithfully,

For, M/s. Manikchand Kumar Properties

CC: The Secretary, Department of Environment Govt. of Maharashtra, 15th floor, New Administrative building, Mantralaya, Mumbai- 400 032

Received Retail
(7-10-13)
पर्यावरण एवं वन मंत्रालय
Ministry of Environment & forest
क्षेत्रीय कार्यालय (पश्चिम क्षेत्र)
Regional Office (Western Regional)
"केन्द्रीय पर्यावरण भवन"
"Kendriya Paryavaran Bhawan"
लिंक रोड नं.3/ Link Road No.3
इ-5, राविशंकर नगर
E-5, Ravishankar Nagar
भोपाल/Bhopal



MANIKCHAND KUMAR PROPERTIES

Correspondence Address: "Kumar Capital" 1st Floor, 2413, East Street, Camp, Pune - 411 001. Tel.:26350660, 3052 8888, Fax: 26353365

Date: September 16, 2013

To,
Shri B. R. Naidu,
Senior Environmental Engineer & Incharge
Parivesh Bhawan opp., VMC ward Office No. 10,
Subhanpura, Vadodara-390 023

Sub: Post EC Monitoring report for Construction of Proposed Residential Complex- "Princetown" at S. No. 9/1(pt) Undri, Pune by M/s. Manikchand Kumar Properties.

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Yours faithfully,

For, M/s. Manikchand Kumar Properties

CC: The CCF, Regional Office, Western Region, "Kendriya Paryavaran Bhavan" Link Road No. 3, Raishankar Nagar, Bhopal- 462 016. (M. P.)

राज्य प्रदूषण नियंत्रण बोर्ड,
राज्यीय कार्यालय, (पश्चिम) बhopal
19.10.13
Blonde



MANIKCHAND KUMAR PROPERTIES

Correspondence Address: "Kumar Capital" 1st Floor, 2413, East Street, Camp, Pune - 411 001 Tel.:3052 8888, 30583663 Fax: 91-20-26353365

Date: March 14, 2014

To,
The Member Secretary
Maharashtra Pollution Control Board,
Kalpataru Point, 3rd and 4th floor,
Opp. Cine Planet, Sion Circle,
Mumbai-400 022,

Subject: Post EC Monitoring report for Construction of Proposed Residential Complex- "Princetown"
at S. No. 9/1(pt) Undri, Pune by M/s. Manikchand Kumar Properties.

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Yours faithfully,

For, M/s. Manikchand Kumar Properties

RECEIVED LETTER
On date 14.03.14
M.P.C. BOARD (H.O.)
INWARD SECTION
MUMBAI - 400 022.

Copy to:

1. The CCF, Regional Office, Western Region, "Kendriya Paryavaran Bhavan" Link Road No. 3, Raishankar Nagar, Bhopal- 462 016. (M. P.)
2. Shri B. R. Naidu, Senior Environmental Engineer & Incharge, Parivesh Bhawan opp., VMC ward Office No. 10, Subhanpura, Vadodara - 390 023.
3. The Secretary, Department of Environment, Govt. of Maharashtra, 15th floor, New Administrative building, Mantralaya, Mumbai- 400 032



MANIKCHAND KUMAR PROPERTIES

Correspondence Address: "Kumar Capital" 1st Floor, 24/13, East Street, Camp, Pune - 411 001 Tel.: 3052 8888, 30583663 Fax: 91-20-26353365

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The Secretary,
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Govt. of Maharashtra, 15th floor,
New Administrative building, Mantralaya,
Mumbai- 400 032

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For, M/s. Manikchand Kumar Properties

2-6-14
बाबक लिपक
कचिबिरम विधात
कचिबिरम

Copy to:

1. Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai-400 022, India
2. Shri B. R. Naidu, Senior Environmental Engineer & Incharge, Parivesh Bhawan opp., VMC ward Office No. 10, Subhanpura, Vadodara - 390 023.
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For, M/s. Manikchand Kumar Properties

Handwritten signature
A.H. - 2014
केन्द्रीय प्रदूषण नियंत्रण बोर्ड
(परिवेश एवं वन मंत्रालय, भारत सरकार)
'परिवेश भवन',
सुभाषनगर, वडोदरा - ३९० ०२३

Copy to:

1. To, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai-400 022, India
2. The Secretary, Department of Environment, Govt. of Maharashtra, 15th floor, New Administrative building, Mantralaya, Mumbai- 400 032
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MANIKCHAND KUMAR PROPERTIES

Correspondence Address: "Kumar Capital" 1st Floor, 2413, East Street, Camp, Pune - 411 001 Tel.:3052 8888, 30583663 Fax: 91-20-26353365

Date: July 21, 2014

To,
Shri B. R. Naidu,
Senior Environmental Engineer & Incharge,
Parivesh Bhawan opp.,
VMC ward Office No. 10, Subhanpura,
Vadodara - 390 023.

Subject: Post EC Monitoring report for Construction of Proposed Residential Complex- "Princetown" at S. No. 9/1(pt) Undri, Pune by M/s. Manikchand Kumar Properties.

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9. Project Status Report
10. CTO Copy
11. EC Extension letter

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Yours faithfully,

For, M/s. Manikchand Kumar Properties

केजीएम प्रॉपर्टीज प्राइवेट लिमिटेड
(पारिवेशिक एवं स्वयं संवर्धन, भारत संस्थान)
आंध्रप्रदेश राजधानी (दुर्ग), "पारिवेशिक भवन",
बी.ए. रोड, बी.ए. राजधानी नं. १० के सामने,
सुमानपुर, वडोदरा - ३९० ०२३

Copy to:

1. To, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai-400 022, India
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Mumbai-400 022,

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For, M/s. Manikchand Kumar Properties

21/7/14
Maharashtra Pollution Control Board
Kalpataru Point, 2/3/4th Floor,
Sion Matunga Scheme, Road No. 8,
Opp. Sion Circle, Sion (East),
MUMBAI - 400 022

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MANIKCHAND KUMAR PROPERTIES

Correspondence Address: "Kumar Capital" 1st Floor, 2413, East Street, Camp, Pune - 411 001 Tel.:3052 8888, 30583663 Fax: 91-20-26353365

Date: March 02, 2015

To,
Shri B. R. Naidu,
Senior Environmental Engineer & Incharge,
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VMC ward Office No. 10, Subhanpura,
Vadodara - 390 023.

Subject: Post EC Monitoring report for Construction of Proposed Residential Complex- "Princetown" at S. No. 9/1(pt) Undri, Pune by M/s. Manikchand Kumar Properties.

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11. Copy of CTER

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(पर्यावरण एवं वन मंत्रालय, भारत सरकार)
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सुभाषपुरा, बड़ोदरा - ३९० ०२३

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MANIKCHAND KUMAR PROPERTIES

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3. The Secretary, Department of Environment, Govt. of Maharashtra, 15th floor, New
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Maharashtra Pollution Control Board
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Opp. Cine Planet, Sion Circle, Sion (East),
MUMBAI - 400 022.
Phone: 3052 8888 / 30583663



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कार्यालय / OFFICE
पर्यावरण एवं वन विभाग (केन्द्रीय)
Ministry of Environment & Forests (C)
क्षेत्रीय कार्यालय (पश्चिम क्षेत्र)
Regional Office (Western Region)
भोपाल (म.प्र.)-462016



MANIKCHAND KUMAR PROPERTIES

Correspondence Address: "Kumar Capital" 1st Floor, 2413, East Street, Camp, Pune - 411 001 Tel.:3052 8888, 30583663 Fax: 91-20-26353365

Date: 11 JULY 2015

To,
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Link road No. 3, Raishankar Nagar,
Bhopal-462 016 (M.P.)

Subject: Post EC Monitoring report for Construction of Proposed Residential Complex "Princetown" at S. No. 9/1(pt) Undri, Pune by M/s. Manikchand Kumar Properties.

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For, M/s. Manikchand Kumar Properties



- CC to:
1. Shri B.R.Naidu, Senior Environmental Engineer & Incharge, Parivesh Bhawan opp., VMC ward office No. 10, Subhanpura, Vadodara-390 023
 2. The member secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd & 4th floor, Opp. Cine Planet, Sion Circle, Mumbai- 400022, India
 3. The Environmental Secretary, Room No. 217, 2nd floor, Environment Department, Govt. of Maharashtra Mantralaya, Mumbai- 400 032

केंद्रीय / ऑफिस
प्रवावरण एवं वन संप्रदाय (केंद्रीय)
Ministry of Environment & Forests (C)
क्षेत्रीय कार्यालय (पश्चिम क्षेत्र)
Regional Office (Western Region)
भोपाल-462016
7/15

M/s. Manikchand Kumar Properties.

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Ph. No.: 91-020-3052 8888. Fax: 91-20-26353365

To,
The Environmental Secretary,
Room No. 217, 2nd floor,
Environment Department,
Govt. of Maharashtra Mantralaya,
Mumbai- 400 032

Date:

Subject: Post EC Monitoring report for Construction of Proposed Residential Complex "Princetown" at S. No. 9/1(pt) Undri, Pune by M/s. Manikchand Kumar Properties.

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6. Post EC Environment monitoring report (October'15 - December'15)
7. Annexure I- Project details
8. Copy of Newspaper Advertisement (English & Local language)
9. Project Status report
10. Copy of Consent

Hope you will find the above in the line with your requirement.

Thanking you,



Yours faithfully,
For, M/s. Manikchand Kumar Properties.



RD
20/2/16
राज्य सचिव
पर्यावरण विभाग
मंत्रालय, मुंबई-४०० ०३२



MANIKCHAND KUMAR PROPERTIES

Correspondence Address: "Kumar Capital" 1st Floor, 2413, East Street, Camp, Pune - 411 001 Tel.:3052 8888, 30583663 Fax: 91-20-26353365

Date: 11 JULY 2015

To,
Shri B.R.Naidu,
Senior Environmental Engineer & Incharge,
Parivesh Bhawan opp., VMC ward office No. 10,
Subhanpura, Vadodara-390 023

Subject: Post EC Monitoring report for Construction of Proposed Residential Complex "Princetown" at S. No. 9/1(pt) Undri, Pune by M/s. Manikchand Kumar Properties.

Ref: Environmental Clearance No. 21-221 /2007-IA-III Date: 11th June, 2014.

Dear Sir,
This is in reference to the requirement stated in the Environmental Clearance No. 21-221 /2007-IA-III Date: 11th June, 2014 for our above mentioned Residential Project at S. No. 9/1(pt) Undri, Pune by M/s. Manikchand Kumar Properties.

In accordance to your requirement please find enclosed herewith following documents for Post EC for the subject project for your kind reference

1. Data sheet (January'15 - June'15)
2. Environmental Clearance Letter (21-221 /2007-IA-III Date: 24th December, 2007)
3. EC Extension Letter (21-221 /2007-IA-III Date: 11th June, 2014)
4. Compliance report
5. Post EC Environment monitoring report (January'15 - March'15)
6. Post EC Environment monitoring report (April'15 - June'15)
7. Annexure I- Project details
8. Copy of News paper Advertisement (English & Local language)
9. Project Status report
10. Copy of CTO
11. Copy of CTE

Hope you will find the above in the line with your requirement.
Thanking you,

Yours faithfully,

For, M/s. Manikchand Kumar Properties



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
(पर्यावरण एवं वन मंत्रालय, भारत सरकार)
आंचलिक कार्यालय (पश्चिम), 'परिवेश भवन',
वी.एम.सी. बोर्ड कार्यालय नं. १० के सामने,
सुभानपुरा, वडोदरा - ३९० ०२३

- CC to:
1. The member secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd & 4th floor, Opp. Cine Planet, Sion Circle, Mumbai- 400022, India
 2. The CCF, Regional Office, Western region, "Kendriya Paryavaran Bhavan" Link road No. 3, Raishankar Nagar, Bhopal-462 016.(M.P.)
 3. The Environmental Secretary, Room No. 217, 2nd floor, Environment Department, Govt. of Maharashtra Mantralaya, Mumbai- 400 032

M/s. Manikchand Kumar Properties.

Correspondence Address: "Kumar Capital" 1st Floor, 2413, East Street, Camp, Pune – 411 001.
Ph. No.: 91-020-3052 8888, Fax: 91-20-26353365

To,
Shri B.R.Naidu,
Senior Environmental Engineer & Incharge,
Parivesh Bhawan opp., VMC ward office No. 10,
Subhanpura, Vadodara-390 023

Date:

Subject: Post EC Monitoring report for Construction of Proposed Residential Complex "Princetown" at S. No. 9/1(pt) Undri, Pune by **M/s. Manikchand Kumar Properties.**

Ref: Environmental Clearance No. 21-221 /2007-IA-III Date: 11th June, 2014.

Dear Sir,

This is in reference to the requirement stated in the Environmental Clearance No. 21-221 /2007-IA-III Date: 11th June, 2014 for our above mentioned Residential Project at S. No. 9/1(pt) Undri, Pune by **M/s. Manikchand Kumar Properties.**

In accordance to your requirement please find enclosed herewith following documents for Post EC for the subject project for your kind reference

1. Data sheet (July'15 – December'15)
2. Environmental Clearance Letter (21-221 /2007-IA-III Date: 24th December, 2007)
3. EC Extension Letter (21-221 /2007-IA-III Date: 11th June, 2014)
4. Compliance report
5. Post EC Environment monitoring report (July'15 – September'15)
6. Post EC Environment monitoring report (October'15 – December'15)
7. Annexure I- Project details
8. Copy of News paper Advertisement (English & Local language)
9. Project Status report
10. Copy of Consent

Hope you will find the above in the line with your requirement.

Thanking you,



Yours faithfully,

For, **M/s. Manikchand Kumar Properties**

[Handwritten Signature]
24.2.16

उद्योग प्रदूषण नियंत्रण बोर्ड,
राज्यिक कार्यालय, (परिवेश) वडोदा

M/s. Manikchand Kumar Properties.

Correspondence Address: "Kumar Capital" 1st Floor, 2413, East Street. Camp, Pune – 411 001.
Ph. No.: 91-020-3052 8888, Fax: 91-20-26353365

To,
The member secretary,
Maharashtra Pollution Control Board,
Kalpataru Point, 3rd & 4th floor,
Opp. Cine Planet, Sion Circle,
Mumbai- 400022, India

Date:

Subject: Post EC Monitoring report for Construction of Proposed Residential Complex "Princetown" at S. No. 9/1(pt) Undri, Pune by **M/s. Manikchand Kumar Properties.**

Ref: Environmental Clearance No. 21-221 /2007-IA-III Date: 11th June, 2014.

Dear Sir,

This is in reference to the requirement stated in the Environmental Clearance No. 21-221 /2007-IA-III Date: 11th June, 2014 for our above mentioned Residential Project at S. No. 9/1(pt) Undri, Pune by **M/s. Manikchand Kumar Properties.**

In accordance to your requirement please find enclosed herewith following documents for Post EC for the subject project for your kind reference.

1. Data sheet (July'15 – December'15)
2. Environmental Clearance Letter (21-221 /2007-IA-III Date: 24th December 2007)
3. EC Extension Letter (21-221 /2007-IA-III Date: 11th June, 2014)
4. Compliance report
5. Post EC Environment monitoring report (July'15 – September'15)
6. Post EC Environment monitoring report (October'15 – December'15)
7. Annexure I- Project details
8. Copy of News paper Advertisement (English & Local language)
9. Project Status report
10. Copy of Consent

Hope you will find the above in the line with your requirement.

Thanking you,

Yours faithfully,
For, **M/s. Manikchand Kumar Properties.**

Handwritten signature and date: 22/07/16
Maha. Pollution Control Board
S. No. 9/1, Undri, Pune
Phone: 26353365

01

Manikchand Kumar Properties

Correspondence Address: "Kumar Capital" 1st Floor, 2413, East, Grant, Camp, Pune-411 001. Tel. 26350600, 3052 8888, Fax: 26353365

Date: 27/07/16

To,
The Additional Director (S),
Ministry of Environment and Forest and Climate Change
Regional Office (WCZ), Ground Floor,
East Wing, New Secretariat Building,
Civil Line, Nagpur, Maharashtra-440001.

Sub: Submission of Environmental Clearance compliance for construction of "PRINCETOWN"
Residential Complex at s.no.9/1, Undri, Tal Haveli, District-Pune, State- Maharashtra.

Ref: No. 21-221/2007-IA.III

Respected Sir,

With reference to the above subject we are submitting the Current Status of our construction work, monitoring reports, data sheet and Point wise compliance status to various stipulations laid down by the Ministry of Environment and Forest in its clearance letter No. 21-221/2007-IA.III along with the necessary enclosure and annexure.

This is for your kind consideration and records. Kindly acknowledge the same.

Thanking you,

Yours Sincerely,

FOR MANIKCHAND KUMAR PROPERTIES

Authorized Signatory

Encl:

Part A: Current Status of Construction Work

Part B: Point wise compliance status

Part C: Enclosures

Part D: Annexures

Part E: CD

A copy Forwarded to Maharashtra Pollution Control Board.

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest & Climate Change
क्षेत्रीय कार्यालय (पश्चिम मध्य क्षेत्र)
Regional Office (Western Central Zone)
भू-तल, पूर्व - Ground Floor, East Wing
नया सचिवालय भवन / New Secretariat Building,
सिविल लाईन्स / Civil Lines
नागपुर / Nagpur-440 001



Received
25-08-2016

23-09-2016
Maharashtra Pollution Control Board
Kalptaru Point, 2/3/4 Floor,
Opp. Cine Planet, Near Sion Circle,
Sion (East), Mumbai - 400 022.



Manikchand Kumar Properties

Correspondence Address: "Kumar Capital" 1st Floor, 2413, East Street, Camp, Pune - 411 001. Tel. 26350660, 3052 8888, Fax: 26353365

Date: 30.12.2016

To,
The Additional Director (S),
Ministry of Environment and Forest and Climate Change
Regional Office (WCZ), Ground Floor,
East Wing, New Secretariat Building,
Civil Line, Nagpur, Maharashtra-440001.

Sub: Submission of Environmental Clearance compliance for construction of "Residential Complex" at Undri, Tal Haveli, District-Pune, State- Maharashtra.

Ref: No. 21-221/2007-IA.III

Respected Sir,
With reference to the above subject we are submitting the Current Status of our construction work, monitoring reports, data sheet and Point wise compliance status to various stipulations laid down by the Ministry of Environment and Forest in its clearance letter No. 21-221/2007-IA.III along with the necessary enclosure and annexure.

This is for your kind consideration and records. Kindly acknowledge the same.

Thanking you,

Yours Sincerely,

FOR MANIKCHAND KUMAR PROPERTIES

Authorized Signatory

Encl:

- Part A: Current Status of Construction Work
- Part B: Point wise compliance status
- Part C: Enclosures
- Part D: Annexures
- Part E: CD

A copy Forwarded to Maharashtra Pollution Control Board.

Maharashtra Pollution Control Board
Kalptaru Point, 2/3/4 Floor
Opp. Cine Planet, Near Sion Circle,
Sion (East), Mumbai - 400 022.



Pasmt
30-12-16

परिचरणा, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest & Climate Change
राष्ट्रीय कार्यालय (पश्चिम मध्य क्षेत्र)
Regional Office (Western Central Zone)
महानगर, पूर्व खंड / Ground Floor, East Wing
नया सचिवालय भवन / New Secretariat Building
सिविल लाईन्स / Civil Lines
नागपुर / Nagpur-440 001



MANIKCHAND KUMAR PROPERTIES

REGISTERED ADDRESS: 401, 2nd Floor, Kalpataru Point, Sion Matunga Scheme, Road No 8, Opp. Sion Circle, Sion (East), Mumbai - 400022.

Date: 05/07/2017.

To,
The Member Secretary,
Maharashtra Pollution Control Board,
Kalpataru Point, 2/3/4th Floor,
Sion Matunga Scheme, Road No 8,
Opp. Sion Circle, Sion (East),
Mumbai- 400022.

Sub: Submission of Environmental Clearance compliance for construction of "**Residential Complex**" at Undri, Tal Haveli, District-Pune, State- Maharashtra.

Ref: No. 21-221/2007-IA.III

Respected Sir,

With reference to the above subject we are submitting the Current Status of our construction work, monitoring reports, data sheet and Point wise compliance status to various stipulations laid down by the State Level Environment Impact Assessment Authority, Maharashtra in its clearance letter No. 21-221/2007-IA.III along with the necessary enclosure and annexure.

This is for your kind consideration and records. Kindly acknowledge the same.

Thanking you,

Yours Sincerely,

FOR MANIKCHAND KUMAR PROPERTIES

Encl:

Part A: Current Status of Construction Work

Part B: Point wise compliance status

Part C: Enclosures

Part D: Annexures

Part E: CD

A copy Forwarded to Maharashtra Pollution Control Board.


Maharashtra Pollution Control Board
Kalpataru Point, 2/3/4 Floor,
Opp. Cine Planet, Near Sion Circle,
Sion (East), Mumbai - 400 022.



MANIKCHAND KUMAR PROPERTIES

Date: 30th June 2017

To,
The Additional Director (S),
Ministry of Environment and Forest and Climate Change
Regional Office (WCZ), Ground Floor,
East Wing, New Secretariat Building,
Civil Line, Nagpur, Maharashtra-440001.

Sub: Submission of Environmental Clearance compliance for construction of "Residential Complex" at Undri, Tal Haveli, District-Pune, State- Maharashtra.

Ref: No. 21-221/2007-IA.III

Respected Sir,
With reference to the above subject we are submitting the Current Status of our construction work, monitoring reports, data sheet and Point wise compliance status to various stipulations laid down by the State Level Environment Impact Assessment Authority, Maharashtra in its clearance letter No. 21-221/2007-IA.III along with the necessary enclosure and annexure.

This is for your kind consideration and records. Kindly acknowledge the same.

Thanking you,

Yours Sincerely,

FOR MANIKCHAND KUMAR PROPERTIES

Authorized Signatory

Encl:

- Part A: Current Status of Construction Work
- Part B: Point wise compliance status
- Part C: Enclosures
- Part D: Annexures
- Part E: CD

A copy Forwarded to Maharashtra Pollution Control Board,

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest & Climate Change
क्षेत्रीय कार्यालय (पश्चिम मध्य क्षेत्र)
Regional Office (Western Central Zone)
पु.उ.स. पूर्व खंड / Ground Floor, East Wing
नया सचिवालय भवन / New Secretariat Building
सिविल लाईन्स / Civil Lines
नागपुर / Nagpur-440 001
Power signed
30/6/17



Manikchand Kumar Properties

CORRESPONDENCE ADDRESS: KUNAR CAPITAL, 2410, EAST STREET, CAMP, PUNE: 411001 TEL.: 30528888, 30589663
FAX: 91-2026352365

Date: 30/12/2017

To,
The Additional Director (S),
Ministry of Environment and Forest and Climate Change
Regional Office (WCZ), Ground Floor,
East Wing, New Secretariat Building,
Civil Line, Nagpur, Maharashtra-440001.

Sub: Submission of Environmental Clearance compliance Report (April-2017 to September-2017) for construction of "Residential Complex" at Huledi, Tal Havell, District Puno, State Maharashtra.

Ref: No. 21-221/2007-IA.III

Respected Sir,

With reference to the above subject we are submitting the Current Status of our construction work, monitoring reports, data sheet and Point wise compliance status to various stipulations laid down by the State Level Environment Impact Assessment Authority, Maharashtra in its clearance letter No. 21-221/2007-IA.III along with the necessary enclosure and annexure.

This is for your kind consideration and records. Kindly acknowledge the same.

Thanking you,

Yours Sincerely,

FOR MANIKCHAND KUMAR PROPERTIES

Authorized Signatory

Encl:

- Part A: Current Status of Construction Work
- Part B: Point wise compliance status
- Part C: Enclosures
- Part D: Annexures
- Part E: CD

A copy Forwarded to Maharashtra Pollution Control Board.





Manikchand Kumar Properties

CORRESPONDENCE ADDRESS: KUMAR CAPITAL, 2413, EAST STREET, CAMP, PUNE: 411001 TEL: 30528888, 30583663
FAX: 91-2026353365

Date: 01.12.2017

To,
The Member Secretary,
Maharashtra Pollution Control Board,
Kalpataru Point, 2/3/4th Floor,
Sion Matunga Scheme, Road No 8,
Opp. Sion Circle, Sion (East),
Mumbai- 400022.

Sub: Submission of Environmental Clearance compliance Report (April-2017 to September-2017) for construction of "Residential Complex" at Undri, Tal Haveli, District-Pune, State- Maharashtra.

Ref: No. 21-221/2007-IA.III

Respected Sir,

With reference to the above subject we are submitting the Current Status of our construction work, monitoring reports, data sheet and Point wise compliance status to various stipulations laid down by the State Level Environment Impact Assessment Authority, Maharashtra in its clearance letter No. 21-221/2007-IA.III along with the necessary enclosure and annexure.

This is for your kind consideration and records. Kindly acknowledge the same.

Thanking you,

Yours Sincerely,

FOR MANIKCHAND KUMAR PROPERTIES

Authorized Signatory

Encl:

- Part A: Current Status of Construction Work
- Part B: Point wise compliance status
- Part C: Enclosures
- Part D: Annexures
- Part E: CD

A copy Forwarded to Maharashtra Pollution Control Board.

30/12/17
Maharashtra Pollution Control Board
Kalpataru Point, 2/3/4 Floor,
Opp. Cine Planet, Near Sion Circle,
Sion (East), Mumbai - 400 022.

ole

Manikchand Kumar Properties

CORRESPONDENCE ADDRESS: KUMAR CAPITAL, 2419, 2407 STREET, CAMP, PUNE-411001 TEL: 30526330, 30593883
FAX: 91-2025693235

Date: 16/06/2018

To,
The Additional Director (S),
Ministry of Environment and Forest and Climate Change
Regional Office (WCZ), Ground Floor,
East Wing, New Secretariat Building,
Civil Line, Nagpur, Maharashtra-440001.

Sr.No 9/1(P)

Sub: Submission of Environmental Clearance compliance Report (October-2017 to March-2018) for construction of "Residential Complex" at Undri, Tal Haveli, District-Pune, State- Maharashtra.

Ref: No. 21-221/2007-IA.III dated as 11th June 2014.

Respected Sir,

With reference to the above subject we are submitting the Current Status of our construction work, monitoring reports, data sheet and Point wise compliance status to various stipulations laid down by the State Level Environment Impact Assessment Authority, Maharashtra in its clearance letter No. 21-221/2007-IA.III along with the necessary enclosure and annexure.

This is for your kind consideration and records. Kindly acknowledge the same.

Thanking you,

Yours Sincerely,

FOR MANIKCHAND KUMAR PROPERTIES

Encl:

- Part A: Current Status of Construction Work
- Part B: Point wise compliance status
- Part C: Enclosures
- Part D: Annexures
- Part E: CD

A copy Forwarded to Maharashtra Pollution Control Board Zonal office of CPCB

पर्यावरण, वन एवं जलवायु परिषद
Ministry of Environment, Forest & Climate Change
क्षेत्रीय कार्यालय (पश्चिम मध्य क्षेत्र)
Regional Office (Western Central Zone)
मूल-तल, पूर्व खंड / Ground Floor, नया
नया सचिवालय भवन / New Secretariat Building
सिविल लाईन्स / Civil Lines
नागपुर / Nagpur-440 001

12/6/18
05/07/18

OK

Manikchand Kumar Properties

CORRESPONDENCE ADDRESS: KUMAR CAPITAL, 2413, EAST STREET, CAMP, PUNE-411001 TEL: 20930628, 20930663
FAX: 91-2026253365

Date: 16/06/18

To,
The Member Secretary,
Maharashtra Pollution Control Board,
Kalpataru Point, 2/3/4th Floor,
Sion Matunga Scheme, Road No 8,
Opp. Sion Circle, Sion (East),
Mumbai- 400022.

Sr.No. 9/1 (CP)

Sub: Submission of Environmental Clearance compliance Report (October-2017 to March-2018) for construction of "Residential Complex" at Undri, Tal Haveli, District-Pune, State- Maharashtra.

Ref: No. 21-221/2007-IA.III dated as 11th June 2014.

Respected Sir,

With reference to the above subject we are submitting the Current Status of our construction work, monitoring reports, data sheet and Point wise compliance status to various stipulations laid down by the State Level Environment Impact Assessment Authority, Maharashtra in its clearance letter No. 21-221/2007-IA.III along with the necessary enclosure and annexure.

This is for your kind consideration and records. Kindly acknowledge the same.

Thanking you,

Yours Sincerely,

FOR MANIKCHAND KUMAR PROPERTIES

- Part A: Current Status of Construction Work
- Part B: Point wise compliance status
- Part C: Enclosures
- Part D: Annexures
- Part E: CD

21/06
2018
आवक विभाग (मुख्यालय)
महाराष्ट्र प्रदूषण नियंत्रण मंडल,
कल्पतरु पॉइंट, 2/3/4 वा मंज्य, सावन रॉकल,
सिओ मातुंगा स्कीम, सियो (पूर्व),
मुंबई - 400 022.
28930628 / 2802

Manikchand Kumar Properties

CORRESPONDENCE ADDRESS: KUMAR CAPITAL BLDG, EAST STREET, CAMP, PUNE-411001 TEL: 30520998, 30520650
FAX: 91-2026153103

Date: 16/06/18

To,
Shri B. R. Naidu,
Senior Environmental Engineer & Incharge,
Parivesh Bhawan opp., VMC ward office No. 10,
Subhanpura, Vadodara-390 023

Sub: Submission of Environmental Clearance compliance Report (October-2017 to March-2018) for construction of "Residential Complex" at Undri, Tal Haveli, District-Pune, State- Maharashtra. *(Sr. No. 9/ICP)*

Ref: No. 21-221/2007-IA.III dated as 11th June 2014.

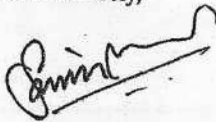
Respected Sir,

With reference to the above subject we are submitting the Current Status of our construction work, monitoring reports, data sheet and Point wise compliance status to various stipulations laid down by the State Level Environment Impact Assessment Authority, Maharashtra in its clearance letter No. 21-221/2007-IA.III along with the necessary enclosure and annexure.

This is for your kind consideration and records. Kindly acknowledge the same.

Thanking you,

Yours Sincerely,



FOR MANIKCHAND KUMAR PROPERTIES

Part A: Current Status of Construction Work
Part B: Point wise compliance status
Part C: Enclosures
Part D: Annexures
Part E: CD

Central Pollution Control Board
(Ministry of Environment, Forest & Climate Change, Govt. of India)
Regional Directorate (West),
'Parivesh Bhawan',
Near Ward Office No.10, Subhanpura,
Vadodara-390 023.

[Signature]
13-7-18



Manikchand Kumar Properties

CORRESPONDENCE ADDRESS: KUMAR CAPITAL, 2413, EAST STREET, CAMP, PUNE-411001 TEL: 30520890, 30481062
FAX: 91-2026353245

Date: 29/11/2018

To,
The Additional Director (S),
Ministry of Environment and Forest and Climate Change
Regional Office (WCZ), Ground Floor,
East Wing, New Secretariat Building,
Civil Line, Nagpur, Maharashtra-440001.

Sub: Submission of Environmental Clearance compliance Report (April-2018 to September-2018) for construction of "Residential Complex" at Undri, Tal Haveli, District-Pune, State- Maharashtra.

Ref: No. 21-221/2007-IA.III dated on 11th June 2014.

Respected Sir,

With reference to the above subject we are submitting the Current Status of our construction work, monitoring reports, data sheet and Point wise compliance status to various stipulations laid down by the State Level Environment Impact Assessment Authority, Maharashtra in its clearance letter **No. 21-221/2007-IA.III** along with the necessary enclosure and annexure.

This is for your kind consideration and records. Kindly acknowledge the same.

Thanking you,

Yours Sincerely,

FOR MANIKCHAND KUMAR PROPERTIES

Encl:

- Part A: Current Status of Construction Work
- Part B: Point wise compliance status
- Part C: Enclosures
- Part D: Annexures
- Part E: CD

A copy Forwarded to Maharashtra Pollution Control Board.





Manikchand Kumar Properties

CORRESPONDENCE ADDRESS: KUMAR CAPITAL, 2113, EAST STREET, CAMP, PUNE-411001, TEL: 30570389, 30593663
FAX: 91-2026553165

Date: 29/11/18

To,
The Member Secretary,
Maharashtra Pollution Control Board,
Kalpataru Point, 2/3/4th Floor,
Sion Matunga Scheme, Road No 8,
Opp. Sion Circle, Sion (East),
Mumbai- 400022.

Sub: Submission of Environmental Clearance compliance Report (April-2018 to September-2018) for construction of "Residential Complex" at Undri, Tal Haveli, District-Pune, State- Maharashtra.

Ref: No. 21 221/2007-IA.III dated as 11th June 2014.

Respected Sir,

With reference to the above subject we are submitting the Current Status of our construction work, monitoring reports, data sheet and Point wise compliance status to various stipulations laid down by the State Level Environment Impact Assessment Authority, Maharashtra in its clearance letter No. 21-221/2007-IA.III along with the necessary enclosure and annexure.

This is for your kind consideration and records. Kindly acknowledge the same.

Thanking you,

Yours Sincerely,

FOR MANIKCHAND KUMAR PROPERTIES

Encl:

- Part A: Current Status of Construction Work
- Part B: Point wise compliance status
- Part C: Enclosures
- Part D: Annexures





Manikchand Kumar Properties

CORRESPONDENCE ADDRESS: PUNAK CAPITAL, 2413, EAST STREET, CAMP, PUNE: 411001 TEL: 30528623, 30523553
FAX: 01-2026353336

Date: 29/11/18

To,
Shri B.R.Naidu,
Senior Environmental Engineer & Incharge,
Parivesh Bhawan Opp-Ward Office No.10,
Subhanpura, Vadodara-390 023

Sub: Submission of Environmental Clearance compliance Report (April-2018 to September-2018) for construction of "Residential Complex" at Undri, Tal Havell, District-Pune, State- Maharashtra.

Ref: No. 21-221/2007-IA.III dated as 11th June 2014

Respected Sir,

With reference to the above subject we are submitting the Current Status of our construction work, monitoring reports, data sheet and Point wise compliance status to various stipulations laid down by the State Level Environment Impact Assessment Authority, Maharashtra in its clearance letter No. 21-221/2007-IA.III along with the necessary enclosure and annexure.

This is for your kind consideration and records. Kindly acknowledge the same.

Thanking you,

Yours Sincerely,

FOR MANIKCHAND KUMAR PROPERTIES

Encl:

Part A: Current Status of Construction Work
Part B: Point wise compliance status
Part C: Enclosures



स्वारगेट पाणी पुरवठा विभाग
पुणे महानगरपालिका, पुणे
जावक क्र. १०२४
दिनांक :- ११/०६/२०१९

प्रति,
मे. माणिकचंद कुमार प्रॉपर्टीज,
कुमार कॅपिटल २४१३,
ईस्ट स्ट्रीट कॅम्प,
पुणे - ४११००१.

यांजकडेस...

विषय :- स. नं. ९/१, ९/२/१अ ते ९/२/७, उंड्री येथील नियोजित गृह प्रकल्पासाठी पर्यावरण ना -
हरकत प्रमाणापत्रासाठी पाणीपुरवठा विभागाचे अभिप्राय.

संदर्भ :- आपला प्रस्ताव आ. क्र. ६५१ दि. २४/०५/२०१९..

संदर्भाकित पत्रान्वये नियोजित गृह प्रकल्पास पर्यावरण ना- हरकत प्रमाणपत्र मिळणेसाठी पाणी पुरवठा विभागाचे ना - हरकत दाखल्याची मागणी आपण केली आहे. जागेवर समक्ष पाहणी केली असता व मान्य लेआऊटनुसार प्रतिदिन ३,४१,७७५ लि. पाण्याची मागणी आहे. त्या अनुषंगाने खालील १ ते १३ अटींचे अधिन राहून पाणीपुरवठा विभागाचे ना-हरकत दाखला देण्यात येत आहे.

१. विषयांकित मिळकतीवरील गृह संकुलनास भोगवटा पत्र प्राप्त झाल्यानंतर भोगवटा पत्राच्या सदनिकांच्या प्रमाणात पाणीपुरवठा करणेकरिता नळजोड प्रस्ताव सादर करावा लागेल.
 २. विकसकाने स्वखर्चाने मनपाचे सुचनेनुसार जलवाहिनी विकसित करावी लागेल.
 ३. एस.टी.पी. बाबत स्वतंत्र माहिती खात्यास सादर करावी लागेल.
 ४. जागेवर बांधकाम चालू करणेपूर्वी मिळकतीमधील मनपाच्या नळजोडावरील थकबाकी भरून घेऊन सदर नळजोड बंद केले जाईल.
 ५. इमारतीचे पिण्याचे पाणी, वापरावयाचे पाणी, फ्लशिंगचे पाणी इत्यादी कारणासाठी प्रत्येक सदनिकेसाठी स्वतंत्र व्यवस्था करण्यात येईल.
 ६. इमारती अंतर्गत पाणी वितरणासाठी प्रत्येक सदनिकेकरिता स्वतंत्र वॉटर मीटर बसविणार व इमारती अंतर्गत पाण्याची संगणक प्रणाली तयार करून संबंधित सोसायटी/अपार्टमेंट यांना देणार.
 ७. सदर प्रकल्पाकरिता पाण्याचे उपलब्धतेनुसार होणारा पाणीपुरवठा वगळता जादा पाण्याची व्यवस्था विकसक या नात्याने स्वतः करावी लागेल.
 ८. अंतर्गत वापरण्यात येणाऱ्या फिटिंग्जचा डिसचार्ज पाच लीटर पेक्षा कमी ठेवणार.
 ९. सर्व कामे सक्षम कन्सल्टंट यांचेकडून डिझाईन करून त्यांचे सुपरव्हिजन अंतर्गत पूर्ण करणार.
 १०. निवासी व व्यापारी पाणी वापरासाठी संपवेल बांधाणार.
 ११. तत्कालीन पाण्याच्या परिस्थितीनुसार मनपाकडील नियामानुसार व धोरणानुसार यापुढील कार्यवाही तत्कालीन वेळी निश्चित करण्यात येईल.
 १२. प्रस्तुत मिळकतीचा लेआऊट मान्य झाल्यानंतर त्याची एक प्रत खात्यास सादर करावी लागेल. ले आऊट म.न.पा. सॅक्शन झाल्यानंतर सी.सी.ची एक प्रत व लेआऊटची एक प्रत खात्यास देणेस. मीटर विभागाचा ना हरकत दाखला मागणेपूर्वी वॉटर लाईन डेव्हलपमेंट शुल्क म. न. पा. कोषागारात भरणार किंवा वॉटरलाईन डेव्हलपमेंट करून देणार.
 १३. मिळकतीस भोगवटा पत्र प्राप्त झाल्यानंतर व तसा प्रस्ताव खात्याकडे प्राप्त झाल्यानंतर भोगवटा पत्राच्या सदनिकांच्या प्रमाणात त्या वेळच्या प्राप्त धोरणानुसार पाणीपुरवठा उपलब्ध केला जाईल.
- कळावे,

अशित वे. जोधव
कार्यकारी अभियंता क्र. १
स्वारगेट पाणीपुरवठा विभाग
पुणे महानगरपालिका.

ARS

११

कार्यकारी अभियंता कार्यालय
मलनिःसारण देखभाल व दुरुस्ती
पुणे महानगरपालिका
जावक क्र. :- ४५३.
दिनांक :- १३/६/१९.

प्रति,
मे. मानिकचंद कुमार प्रॉपर्टीज,
कुमार कॅपिटल, २४१३, ईस्ट स्टेट,
कॅम्प पुणे - ४११ ००१.

यांजकडेस...

विषय : मौजे गाव उंडी स.नं.९/१, ९/२/१अ ते ९/२/७, या मिळकती मधील नियोजित बांधकामासाठी इनव्हायरमेंटल क्लियरन्ससाठी ड्रेनेज विभागाकडून प्रोव्हीजनल दाखला मिळणेबाबत.

संदर्भ : आपले पत्र आ.क्र.२९३ दि. २४/०५/२०१९

महोदय,

आपण आपले बांधकामाचे नकाशे व अर्ज दाखल केल्यावरून कळविण्यात येते की, आपण मौजे गाव उंडी स.नं.९/१, ९/२/१अ ते ९/२/७, या मिळकतीसाठी ड्रेनेज डेव्हलपमेंट चार्जेस महानगरपालिका नियमानुसार ठरविणेत येतील त्याप्रमाणे भरणेचे मान्य केले आहे. तसेच सदर प्रस्तावात खालील बाबी प्रस्तावीत केलेल्या आहेत. (१३८८५१.६८ चौ.मी. बांधकाम क्षेत्रासाठी)

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|----|---|---|--|
| १ | मिळकतीचे क्षेत्रफळ | - | १०१६००.०० चौ.मी. |
| २ | बिलटप ऐरिया (एफ.एस्.आय + नॉन एफ.एस्.आय) | - | ७२६९१.२१ चौ.मी. + ६६१६०.४७ चौ.मी. = १३८८५१.६८ चौ.मी. |
| ३ | इमारतीची संख्या आणि उंची | - | इमारती १३
(ए१ - ३५.९५ मी.) (ए२ - ३५.९५ मी.)
(ए३ - ३५.९५ मी.) (ए४ - ३५.९५ मी.)
(बी१ - ५०.०० मी.) (बी२ - ५०.०० मी.)
(बी३ - ५०.०० मी.) (बी४ - ५०.०० मी.)
(बी५ - ५०.०० मी.) (बी६ - ५०.०० मी.)
(सी१ - ६९.६५ मी.) (सी२ - ६९.६५ मी.)
(सी३ - ६९.६५ मी.) |
| ४ | निवासी सदनिका संख्या | - | ७६७ |
| ५ | व्यापारी गाळे | - | शॉप २, ऑफिस ४ |
| ६ | मान्य नकाशा प्रत | - | आहे. |
| ७ | जा.क्र.CC/३७१०/१६ दि.२९/०३/२०१७ | - | आहे. |
| ८ | आवश्यक पाणी पुरवठा | - | ५२२ KLD |
| ९ | तयार होणारे मैलापाणी | - | ४१८ KLD |
| १० | सिवरेज टिंटमेंट प्लॉटची आवश्यक क्षमता | - | ४१८ KLD |
| ११ | सिवरेज टिंटमेंट प्लॉटची प्रस्तावित क्षमता | - | ४८० KLD |
| १२ | एस.टी.पी डिझाईन ची ड्राईंग व अहवाल | - | नाही. |
| १३ | मंजूर/प्रस्तावित नकाशात एस.टी.पी दर्शविलेला आहे का? असल्यास मोजमापे | - | नियोजित नकाशात दर्शविला आहे. |

- १४ पाण्याचा पुर्णवापर करण्याच्या उपाययोजना - गार्डन, फ्लशिंग व इत्यादी
- १५ जागेवर एस.टी.पी. च्या अनुषंगाने सुरक्षेच्या दृष्टीने केलेल्या उपाय योजना - अद्याप जागेवर काम सुरु नाही. सदरचा पर्यावरण दाखला मिळणेसाठी ना हरकत पत्र आवश्यक आहे.
- १६ विकसनकर्ता यांचे र.रु.१००/- स्टॅम्प पेपरवर हमीपत्र - नाही.

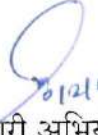
वरील प्रमाणे संदर्भ क्र.१ अन्वये प्रस्ताव दाखल केलेला आहे. त्या अनुषंगाने मलनिःसारण विभागामार्फत खालील अटीस अधिन राहून नियोजित बांधकामासाठी ड्रेनेज विभागाचा अंतरिम पर्यावरण ना हरकत दाखला देण्यात येत आहे.

- १) सदर इमारतीचे बेसमेंटचे कनेक्शन म.न.पा मलनिःसारण नलिकेस जोडू नये.
- २) पावसाळ्यातील पाण्याची बोअरवेल घेऊन पाणी जिरवण्याची व्यवस्था स्वतंत्रपणे करणेत यावी.
- ३) सदर प्रकल्पासाठी (४८०.०० KLD) घमी प्रतिदिन क्षमतेचा मैलाशुध्दीकरण केंद्र बांधण्यात यावे.
- ४) मैलाशुध्दीकरण प्रकल्पातील प्रक्रिया केलेले पाणी Gardening Flushing साठी वापरण्यात यावे. सदर पाण्याचा वापर पिण्यासाठी करू नये तसेच प्रक्रियायुक्त पाण्याचा पुर्नवापर करून उर्वरित पाणी (over flows) म.न.पा च्या परवानगीशिवाय जोडण्यात येऊ नये, अथवा नाले/पावसाळी लाईन यामध्ये सोडण्यात येऊ नये.
- ५) प्रस्तुत प्रकल्पासाठी वरील संदर्भात नमूद केलेल्या ईसी व महाराष्ट्र पोल्यूशन कंट्रोल बोर्ड यांचेकडील कन्संट टू ऑपरेट लेटर इ. प्राप्त करण्याची जबाबदारी व सदर मधील क्षमतासह इतर सर्व अटी बंधनकारक राहतील.
- ६) पुणे महानगरपालिका आरोग्य उप विधी मधील तरतुदी बंधनकारक राहतील.

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

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

तरी सदरचे नाहरकत प्रमाणपत्र पर्यावरण दाखल्यासाठी देणेत येत आहे.


 ०१/०६/१९
 प.कार्यकारी अभियंता
 मलनिःसारण देखभाल व दुरुस्ती
 पुणे महानगरपालिका



पुणे महानगरपालिका
वृक्ष प्राधिकरण विभाग
कोंढवा-येवलेवाडी क्षेत्रिय कार्यालय
जा.क्र.वृ.प्रा.जा / २८९
दिनांक १२/१०/२०१८

प्रति

मा. उप अभियंता

बांधकाम विकास विभाग झोन क्र.२

पुणे महानगरपालिका

यांजकडेस.....

विषय :- स.नं.९ हिस्सा नं. १, आणि २/१ अंते २/७, प्लॉट क्र. १+२+३+४, उंड्री, पुणे. येथील .
इमारत क्र. बी- ४ साठीच्या बांधकामास पूर्णत्वाचा दाखला देणेबाबत.

संदर्भ :- १) मे.माणिकचंद कुमार प्रॉपर्टीज तर्फे श्री. केवलकुमार जैन, यांचा दि.०३/१०/२०१८ चे पत्र.

२) महापालिका आयुक्त यांचे कार्यालयीन परिपत्रक जा.क्र.न.अ.जा./ज/२३३,
दि.२६/११/२००७.

३) मिळकतीचे एकूण क्षेत्रफळ ६६६३५.९३ चौ.मी.

४) मान्य बांधकाम परवाना क्र.सी.सी/११४८/१८, दि.२१/०७/२०१८

संदर्भाकित क्र. १ च्या पत्रानुसार विषयाकित ठिकाणी असलेल्या जागेची समक्ष पाहणी करण्यात आली.
सदर जागेचे क्षेत्रफळ ६६६३५.९३ चौ.मी. असून सदर ठिकाणी ४१० वृक्षांचे यशस्वीरित्या संवर्धन केले आहे.

सबब विषयाकित ठिकाणच्या इमारत क्र. बी - ४ साठीच्या बांधकामास पूर्णत्वाचा दाखला देण्यास
खात्याची शिफारस आहे.

(अंतिम भोगवटा पत्र घेण्यापूर्वी पुन्हा ना हरकत पत्र घेण्याच्या अटीवर पार्ट ना हरकत पत्र देण्यात येत आहे.)

मा.स.कळावे.



प्र.सहा उद्यान अधिक्षक
पुणे महानगरपालिका



महापालिका सहा आयुक्त तथा
वृक्ष अधिकारी
कोंढवा-येवलेवाडी क्षेत्रिय कार्यालय
पुणे महानगरपालिका

टिप:- १) मिळकतीत असलेल्या वृक्षाभोवती माती टाकणेसाठी २×२ आकाराची जागा सोडण्यात यावी.

२) संदर्भ क्र.२ नुसार प्रस्तुत मिळकतीचे नकाशे मंजूर करताना वृक्ष प्राधिकरण विभागाचे बांधकाम पूर्व ना
हरकत पत्र घेतलेले नाही. त्याबाबत या खात्याची जबाबदारी राहणार नाही.

प्रत:- मे.माणिकचंद कुमार प्रॉपर्टीज तर्फे श्री. केवलकुमार जैन

स.नं.९ हिस्सा नं. १, आणि २/१ अंते २/७, प्लॉट क्र. १+२+३+४, उंड्री, पुणे.



Office of the Chief Fire Officer
Pune Municipal Corporation
Out W.No : FB/ 2200
Date : 20 / 8 / 2010.

(80/ 2008)

To,
Voussairs Architect,
Erandwane, Pune.

Sub :- Final N.O.C. for building at S.No.9/1, 9/2/1A to 9/2/7, Undri, Pune. (For Building A3 Only)

Ref :- Your letter Dtd. 07.07.2010.

Sir,

As per your referred letter, visited the proposed site along with Mr.Raju Patil on 06.07.2010 and tested the Hydrant system, Hose Reel system with equipments and portable fire extinguishers suggested in Provisional fire N.O.C.FB/3905, Dt. 11.03.2008 issued by Fire Department.

The suggestions made in Provisional N.O.C. are carried out to my satisfaction and I have No Objection to use the building for proposed purpose. Fire service fee & annual fee paid by challan no. 112734, Dt. 03.08.2010, Rs. 2,02,000/-

The fire fighting equipments and systems installed in the building should be maintained in high efficiency state and in proper working order at all time during the use of the building by owner or occupier. It will be your responsibility to get the yearly renewal of this Fire NOC after due inspection from the Fire Brigade authorities.

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

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


Chief Fire Officer,
Pune Municipal Corporation.

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



Office of the Chief Fire Officer

Pune Municipal Corporation

Out W.No: FB/ 28/8

Date: 11/10/18

(100 / 2018)

To,
Sameer Valimbe Architects,
Erandwane, Pune.

Sub:- Final Fire NOC for the building at S.No. 9/1, 9/2/1A + 9/2/7, Undri, Pune.
(For Building B4 Only)

Ref :- Your Office letter Dt.05.10.2018.

As per your above referred request letter, visited the proposed site along with Mr. Jayesh Jain on Dt.06.10.2018 and tested the Hydrant system, Hose Reel system with equipments portable fire extinguishers and all type of fire fighting system suggested in Provisional N.O.C.FB/2610, Dt.28.09.2018 issued by Fire Department.

The suggestions made in Provisional N.O.C. are carried out to my satisfaction and I have No Objection to use the building for proposed purpose. M/s. Sujay Fire LLP, Pune has submitted the "FORM A" to this office for the fire prevention, protection & fire fighting system installed in the above said building as per The Maharashtra Fire Prevention & Life Safety Measures Act 2006.

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

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

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


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


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

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



Office of the Chief Fire Officer

Pune Municipal Corporation

Out W.No: FB/ 3225

Date: 31/3/2012

(52/2012)

To,
Voussoirs Architects,
Erandwane, Pune.

**Sub :- Provisional Fire NOC for proposed building at S. No. 9/1, 9/2/1A to 9/2/7,
Undri, Pune. (For Buildings B1, B2 Only)**

Ref :- Your Office letter Dt.03.02.2012.

Sir,

As per your request, visited the proposed site along with your representative Mr. Sachin Kulkarni on 31.01.2012 and discussed with him regarding the fire protection system to be installed in the proposed building.

1. It is a open plot.
2. Motorable road is available for proposed site.
3. Two staircases will be provided to each building as per plans submitted to this office.
4. Two lifts will be provided to each building as per plans submitted to this office and one of them should be a stretcher lift as per NBC 2005.
5. The buildings will be use for residential purpose.
6. Height of the proposed building will be 50.00 Mtrs.
7. Parking will be provided at upper ground floor as per plans submitted to this office.
8. Fire protection premium is paid by challan No.2103, Dt. 13.02.2012, Rs. 11,43,100/-
9. Fire infrastructure charges are paid by challan no.2104, Dt. 13.02.12, Rs. 26,50,700/-
10. Fire service fee and annual fees are paid by challan no.2105, Dt. 13.02.12, Rs. 1,55,400/-
11. The plot area is 101600.00 Sq. Mtrs. and the built-up area is 12822.08 Sq. Mtrs. as per plans submitted to this office

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 in each tower.

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 Dept. Of PMC. The Completion certificate shall be issued subject to "Final No-Objection Certificate" from this department.
3. Proper roads in the premises should be provided for easy mobility of the Fire Brigade Appliance & marginal spaces should be kept free from obstructions all the time. If ramps provided in open marginal spaces, it should not affect the easy mobility of Fire Engines around the building.
4. The internal roads and podium shall be able to withstand the load of minimum 45 Tons.
5. All fire fighting equipments installed at various locations as per local hazard such as Hydrant valves, Hose Reel, Co2-ABC, Foam, and Fire buckets etc. must be strictly conforming to relevant I.S. specification.
6. All the fire fighting equipments shall be well maintained and should be easily accessible in case of emergency.
7. Emergency Telephone numbers like "Police", "Fire Brigade", "Hospital", "Doctors", and "Responsible persons of the building" should be displayed in security cabin & at each passage of the each building.
8. It shall be ensured that security staff 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 fluorescent 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. Interconnectivity between fire water tank & Domestic water tank with isolated valve should be provided so that during emergency the stored water in domestic water tank can be utilized for fire fighting.
12. 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. Minimum one passenger lift shall be "Fire Lift" & the construction. Installation shall be as per relevant standards.

13. Fire Escape Staircase shall be directly connected to the ground Fire escape constructed of M.S. angles is not permitted. Entrance to the Fire Staircase shall be separate and remote from the internal staircase.
14. Staircase shall always be kept in sound operable condition. Emergency lighting arrangements shall be provided in fire escape.
15. Emergency lights shall be provided in all the staircases & corridors, Passageways, Gangways etc.
16. Transformer should not be installed in the basement or any upper floors. It should be out side of the building. Installation should be done in accordance with the relevant norms.
17. 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.
18. Refuge area should be provided on a floor immediate floor after Height 24.00 Mtrs. after 36.00 Mtrs. & so on every 7th floor 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.
19. Non- smoking cables should be used for all installations.
20. All the fire fighting systems drawing / layout should be approved from the Chief Fire Officer, PMC, before starting any work.
21. Ramps should not be provided in open marginal spaces, the provision of Ramp should be done in such a way that, clear open spaces should be provided for easy & unobstructed mobility of fire engines around the building.
22. In case of emergency, the alternate power supply should be provided for the Fire Pumps, Fire Lifts etc. The Certificate from electric engineer regarding this, should be provided at the time of Final NOC.

Requirement and Provision : - The following fire protection system will be required to each tower for the safety of the building.

Sr. No	Fire Fighting Installation	Requirements	Provision	Remark
1	Hose Reel	Required at prominent places.	In fire staircases	30 Mtrs. length Hose reel ISI Marked hose pipe with shut of nozzle
2	Wet Risers	Required	In fire staircases	6" GI 'C' class pipes of TATA / Zenith/ Jindal / Surya / APL Apollo make
3	Landing Valves	Required		
4	Automatic Sprinkler System	Required	At upper ground floor & each floor including lobbies, passages of the buildings.	GI 'C' class pipes of TATA / Zenith/ Jindal / Surya / APL Apollo / Siddhartha make should be use. Distance should not be more than 3.00 Mtrs. Drive way also should be provided with sprinkler system.
5	Manually Operated Fire Alarm System	Required	On every floor with talk back facility	
6	Addressable Fire Detection & Alarm System	Required	Addressable Smoke Detector at all upper floors including passages, lobbies	Heat detectors in kitchen area. LPG Leakage detector in LPG cylinders, Battery Room.
7	Fire drenchers	Required	Required for the protection of refuge area.	

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8	Fire Brigade connection	Required for underground fire water tank. For fire hydrant system.	4 way connection 3 way connection	
9	Underground Static Storage Tank	Required 2,00,000 ltrs.		
10	Terrace Level Tank	Required 20,000 Ltrs.	On fire staircase	On Fire staircase with Booster pump of 900 lpm.
11	Fire Pump	2 No. 2850 lpm electrical driven main pump. 1 No. 2850 lpm Diesel driven or alternate supply 1 No. 180 lpm electric driven Jockey Pump (All Pumps should be capable enough to deliver a pressure of 3.5kg/cm ² at the topmost point)		Fire Fighting pumps shall be well maintained.
12	Courtyard Hydrant	Required		
13	Emergency Lights	Required		Near all staircases, lobbies and passages.
14	Fire Door	Required (to fire staircases)		Main door of all flats should be minimum 2 hrs. fire resistance above 24 Mtrs.
15	Pressurization system.	Required		Fire escape staircase and Fire lift should be pressurized.

ELECTRICAL SERVICES:-

1. Non-smoking cables should be used for installations. 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.
2. Water mains, telephone lines, intercom lines, gas pipes or any other service lines shall not be laid in the duct of electric cables.
3. Separate circuits for water pumps, lifts, 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 others.
4. Medium & low voltage wiring running in shaft and within falls ceiling shall run in metal conduit.
5. 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. The doors provided for the service room shall have fire resistance of not less than two hours.

STAIRCASE AND CORRIDOR LIGHTINGS:-

- 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.
- b) Staircase and corridor lighting shall also be connected to alternate source of supply.
- c) Emergency lights shall be provided in the each staircase/corridor.
- d) Suitable arrangements 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 sources of supply simultaneously. Double throw switch shall be installed in the service room for terminating the stand by supply.
- e) The fire escape staircase shall be provided with mechanical Pressurization devices, which will inject the air in to 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.

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 System or Single Stage System)
15 Mtrs. or above	15 Pa	50 Pa

FIRE ESCAPE: (ENCLOSED TYPE) SHALL COMPLY THE FOLLOWING: -

1. Travel Distance should be maintained as per the guidelines given in National Building Code 2005 & D.C. Rules of PMC. Exits and staircase guidelines should be followed as per PMC's DC Rules and National Building Code-2005.
2. Fire escape constructed of M.S. angles is not permitted.
3. Opening of the Fire Escape Staircase should be from outside.
4. Fire Escape staircase should be enclosed type. These should always be kept in sound operable condition.
5. Exits door shall open outwards, that is away from the room, but shall not obstruct the travel along any exit.
6. Fire Escape Staircase shall be directly connected to the ground.
7. Entrance to the Fire Staircase shall be separate and remote from the internal staircase.
8. Care shall be taken to ensure that no wall opening or window opens on to or close to Fire Escape Stairs.
9. The route to the external staircase shall be free of obstructions at all times.
10. The Fire Escape stairs shall be constructed of non-combustible materials, and any doorway leading to it shall have the required fire resistance.
11. No Staircase, used as a fire escape, shall be inclined at an angle greater than 45° from the horizontal.
12. The width of the staircase should be as per NBC. The other detailed provision for exits in accordance with National building code - 2005.
13. Fire Staircase shall have straight flight not less than 125 c.m. wide with 20 c.m. treads and risers not more than 19 c.m. The number of risers shall be limited to 15 per flight.
14. Handrails shall be of a height not less than 100 c.m. and not exceeding 120 c.m.

FIRE LIFT :

1. To enable fire services personnel to reach the upper floors with the minimum delay, one fire lift per 1200 Sq. Mtrs. of floor area shall be provided and shall be available for the exclusive use of the fireman in an emergency.
2. The lift shall have a floor area of not less than 1.4 Sq. Mtrs. It shall have loading capacity of not less than 545 Kg. (8 persons) with automatic closing doors of minimum 0.8 Mtrs. width.
3. The electric supply shall be on a separate service from electric supply mains in a building and the cables run in a safe route safe from fire, that is, within the lift shaft. Lights and fans in the elevators having wooden panelling or sheet steel construction shall be operated on 24 Volt supply.
4. Fire fighting lift should be provided with a ceiling hatch for use in case of emergency, so that when the car gets stuck up, it shall be easily open able.
5. In case normal electric supply fails, it shall automatically trip over to alternate supply. Alternatively, the lift shall be so wired that in case of power failure it will come down to the ground level and stand still with door open.
6. The operation of a fire lift is 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 should become inoperative and the lift will be on car control only or on a priority device. When the switch is off, the lift will return to normal working.
7. The words "Fire Lift" shall be conspicuously displayed in fluorescent paint on the lift landing doors at each floor level. The speed of the fire lift shall be such that it can reach the top floor from ground level within 1 Min.

STAIRCASE AND CORRIDOR LIGHTINGS:

- 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.

- c) Suitable arrangements 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 sources of supply simultaneously. Double throw switch shall be installed in the service room for terminating the stand by supply.
- d) Emergency lights shall be provided in the each staircase/corridor.

AIR CONDITIONING :-

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 fire walls or floors, the opening around the duct shall be sealed with fire resisting material such as asbestos rope, vermiculite concrete, glass wool etc.
4. As far as possible, metallic ducts shall be used even for the return air instead of space above false ceiling.
5. The material used for insulation the duct system (inside or outside) shall be of non-combustible material such as glass wool etc.
6. The automatic fire dampers provided in the A.C. ducts shall also be capable to operated manually.
7. Air ducts serving main floor areas corridors etc. shall not pass through the stair well.

BASEMENT :-

1. Automatic sprinkler system should be provided for entire basement. Distance between 2 sprinklers should not be more than 3.00 Mtrs.
2. De watering arrangement should be made in the basement. Separate dedicated de-watering pumps shall be provided.
3. The sprinkler pump should be separate and should be interlink with wet riser.
4. The basement should be provided with sufficient no. of staircases as per NBC.
5. The staircase should have at least four hrs. fire resistance. The staircase provided for the upper floors shall not communicate to the basement. Separate staircase with separate entry from ground floor shall be provided for basement.

Regular Training and Maintenance of these systems should be carried out by the housing society / builders. As per provisions made in Maharashtra Fire Prevention And Life Safety Act 2006, the necessary Fire Service Fees and Annual Fees should be paid to PMC before obtaining the Final Fire NOC. All other provisions of D.C. Rules of Pune Municipal Corporation & National Building Code Of India- 2005 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 licence 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.

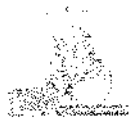
This is a "Provisional No Objection Certificate" which shall be treated valid for the period of ONE YEAR from the date of issue. After providing the above fire prevention and protection system and after scrupulous compliance of above recommendations the inspection of the fire prevention & protection 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.


Chief Fire Officer

Pune Municipal Corporation

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



(1055 / 2014)

To,
Messrs Architects,
Munhware, Pune.

**Subj:- Provisional Fire NOC for proposed building at S.No. 9/1, 9/2/1A To 9/2/7, Landri,
Pune. (For Buildings C1, C2 & C3 Only)**

Ref:- Your Office letter DA. 2459/2014.

In response to your request, visited the proposed site along with your representative Mr. Nikhil Khilare on 07.11.14 and discussed with him regarding the fire protection system to be installed in the proposed building.

1. Fire escape plan.
2. Fire fighting tank is available in proposed site.
3. Fire staircase will be provided to each building as per plans submitted to this office.
4. Fire lifts will be provided in each building as per plans submitted to this office and one of them should be a stretcher lift as per NBC 2005.
5. All buildings will be used for residential purpose.
6. Backing will be provided at suit & basement to each building as per plans submitted to this office.
7. Height of the proposed all buildings will be 69.65 Mtrs. as per plans submitted to this office.
8. Fire protection premium is paid by challan No. 46385, Dt. 07.11.14, Rs. 13,34,000/-
9. Fire insurance charges are paid by challan no.46386, Dt. 07.11.14, Rs. 93,60,000/-
10. The service fees and Annual fees is paid by challan No. 46387, Dt. 07.11.14, Rs. 2,35,750/-
11. The plot area is 11600.00 Sq. Mtrs. and the built-up area 19001.80 Sq. Mtrs. as per plans submitted to this office.

Marginal spaces of Norm. D.C. Rule No 21.6.6

Sr. No.	Height Rise Building Height	Minimum Area of plot required	Minimum width of Access road required in Mtrs.	Marginal spaces on either sides in Mtrs.	Front set back in Mtrs.
1	Up to 15.24 Mtrs. and up to 50.00 Mtrs.	2000	10	9	7
2	Above 15.24 Mtrs. and up to 70.00 Mtrs.	6000	18	10	12
3	Above 70.00 Mtrs. and up to 100.00 Mtrs.	8000	24	12	15

These requirements should be taken in account while developing / proposed development of the building.

- a) The access road mentioned in table above should join another street of equal or greater width.
- b) Basement & parking is not permissible within required front and other marginal open spaces.
- c) No construction of any sort shall be permissible within minimum required marginal Distances
- d) Soft copy of the structural Design shall be submitted to Municipal Corporation at the time of submission of Building Plan and same to be submitted to this department also.

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

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

1. The plan 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 marginal roads shall be able to with stand the load of minimum 45 Tons.
5. All fire fighting equipments to be installed as per NBC - 2005/ D.C. Rule. Must be strictly conforming to relevant I.S. specification.

6. All the fire fighting equipments shall be well maintained and should be easily accessible in case of emergency.
7. Emergency Telephone numbers like "Police", "Fire Brigade", "Hospital", "Doctors", and "Responsible persons" should be displayed in security cabin & Reception & every room 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 planned & 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, Naggur 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. angles 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 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 should 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 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 2005 and the other IS and various Acts and Rules. The following recommendations are given for better life and fire 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 wind tunnel testing of prototype structures and estimating wind load for tall buildings.
2. **Enhanced Fire Resistance of Structures:**
The material used in the construction stage and for carrying out internal finished should have the fire resistance of structures should be enhanced by improving the technical basis for construction classification and fire resistance ratings improving technical basis for standard fire resistance testing methods, using the "structural frame" approach to fire resistance ratings; and developing in service performance requirement and conformance criteria for spray applied fire resistive material (commonly referred to as "fireproofing")
The recommendations are:
 - * Validating 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);

 ...1-

- * 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 un-limited 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 rapid egress; methods for ensuring clear and timely emergency communications to occupants better occupant preparedness for evacuation during emergencies and incorporation of appropriate egress technologies should be implemented in high rise buildings.

Among the recommendations are

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

6. **Improved Emergency Response:**

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

Among the recommendations are

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

Improved Procedures and Practices:

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

7. Education And Training :

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

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

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

- (1) The plans of the building should be approved by the B.C. 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) The approval from the Aviation Authorities i.e. Director General of Civil Aviation Coast Guard Indian Navy Army Air Force for the helipad clearance is required as the building height is above 69.00 Mtrs. from the ground level.
- (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 tonnes of fire appliances.
- (5) The basement and upper floors should be separated with proper fire resistance wall and doors of 4 hours fire rating. The staircase provided in high rise residential tower should be pressurized and provided with self closing fire doors of 2 hours fire resistance.
- (6) All portable fire fighting equipments installed at various locations as per local hazard such as Co2 - DCP, Foam as per IS: 2190 & it must be strictly conforming to relevant IS specification. It is recommended for every 100 Sq. Mtrs. one fire extinguisher should be provided for electrical installation Co2 extinguisher of 4.5 Kg should be provided.
- (7) All fire fighting equipments shall be well maintained and should be easily accessible in case of emergency.
- (8) Emergency Telephone numbers like "Police", "Fire Brigade" "Hospital", "Doctors", and "Responsible" persons of the office" should be displayed in Fire Control Room, Security office and in Reception area.
- (9) It shall be ensured that security staff & every employee of the office security are trained in handling fire fighting equipment & in fire fighting.
- (10) Cautionary boards such as "DANGER", "NO SMOKING", "EXIT", "FIRE ESCAPE", "FIRE HYDRANT", "EXTINGUISHER" etc. should be displayed on the strategic location to guide the occupants in case of emergency. The signs should be of florescent type and should glow in dark.
- (11) The Fire Exit Drill or Evacuation Drill should plan and instruction should be given to the staff minimum four times in a year and drill should be carried out twice in a year.
- (12) "On-Site" & "Off-Site" emergency plan shall be prepared & mock drills shall be conducted twice a year & instructions to every employee shall be given once in three months.
- (13) For construction of high rise building noncombustible material shall be used and the internal walls of staircase enclosures should be with minimum of 2 hrs Fire Resistance rating.
- (14) The construction should be done considering the seismic zoning and proper care should be taken while designing the building of such a high rise.
- (15) A high rise building during construction shall be provided with the following fire protection measures, which shall be maintained in good working conditions at all times.
 - a) Dry riser of minimum 150 mm. dia. Pipe with hydrant outlets on the floors constructed with a fire service inlet.
 - b) Drums filled with water of 2000 Ltr. Capacity, with two fire buckets on each floor
 - c) A water storage tank of minimum 20,000 Ltrs. Capacity, which may be used for other construction purpose also.
- (16) The use of combustible surface finishes on walls (including facade 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.

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 margin of safety to allow for unforeseen contingencies.
- (21) The fluorescent glow signs like "Staircase", "Extinguisher", "Fire Escape", "Hydrant Point", "Manual Call Point", "Exit", "Lift" Shall be installed on strategic locations in all common areas of the building like passages Corridors etc.
- (22) Fire evacuation orders & exit map shall be provided in every floor & in lobbies of the buildings
- (23) Portable rescue chute should be provided in Refuge area or in fire escape walls for easy evacuation of occupants in case of emergency.
- (24) The passage ways and the staircase width should be maintained as per NBC 2005 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 2005, 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 2005, part 4 should be strictly followed and implemented.
- (27) Storm water management in case of 150 years contingency planning should be done in consultation with Town Planning Department of Govt. of Maharashtra and Pune Municipal Corporation.
- (28) All internal furniture and fixtures used for the building should be fire resistance type and it should not give toxic fumes and smoke in case involved in fire. It should have minimum Two hours Fire Resistance.
- (29) LPG banks should not be stored on upper floor for cooking etc.
- (30) The Glassing and façade other Glasses should have at least one hour fire resistance and be UL approved and in accordance with NFPA requirements.
- (31) Breaking of glass the glass can remain in its place some hours before replacement. This will reduce the risk of injuries to occupants and fire & rescue personal. In the event of blast the shock wave created which creates the damage to glass faced the use of film will help to reduce the damages due to glass breaking.
- (32) This being a very special type of building if any additional recommendations to be added or deleted depending upon the need of the fire safety requirement of buildings.
- (33) The Chief Fire officer reserves all right to modify the fire safety recommendations and it shall be responsibility of company authorities to maintained close liaison with fire department.
- (34) The Fire Officer to be appointed by the company should have advance Diploma of National Fire Service College, Govt. of India, Nagpur. He should be responsible for Fire Safety of the building and in charge of Fire Station maintained by the company.

Standard Specifications and Regulations to be followed:

- a) D.C. Rules for Class A & B Municipal Council & Part -3 & 4 National Building Code 2005.
- b) IS: 3844 - for installation and maintenance of internal fire hydrants and hose reels on premises.
- c) IS: 2189 - for selection, installation and maintenance of automatic fire detection and alarm system.
- d) IS: 2190 - for selection, installation and maintenance of portable first aid fire extinguishers.
- e) IS: 9583 : 1981 Emergency lighting units.
- f) IS: 12436: 1988 Code of practice for fire protection of electronic data processing installation.
- g) IS: 4963 : 1987 Recommendations for buildings and facilities for physically handicapped.
- h) IS: 3614 (Part I) : 1966 Specification for fire check doors.
- i) Code of practice for Fire Safety Building IS 1642 - for Details of Construction.
- j) Code of practice for Fire Safety Building IS 1643 - Exposure Hazard.
- k) Code of practice for Fire Safety Building IS 1644 - Exit requirement and Personal Hazard.
- l) IS : 15105 - Design and installation of fixed automatic sprinkler fire extinguisher system.
- m) IS: 9668 - 1990 Code of practice for provision and maintenance of water supplies and fire fighting.
- n) IS 2175 : 1988 Specification for heat sensitive fire detectors for use in automatic fire alarm system.
- o) IS : 1360 : 1985 Specification for smoke detectors for use in automatic electrical fire alarm system.
- p) IS 9457 : 1980 Safety colour and safety signs.
- q) IS 12349 1988 fire Protection - Safety signs.
- r) 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 2005.

Sr. No	Clause Number	Description
1	Clause No: 3.3.1 & 3.3.2	Fire Test General Requirement: Element / Component shall have the requisite fire resistance performance when tested in accordance with the accepted standards.
2	Clause No: C-9	Compartmentation: 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	Clause No: 4.10.5	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	Clause No: 3.4.12.3	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	Clause No: 3.4.12.3	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	Clause No: C-1.12a	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	Clause No: C-1.12e	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	Clause No: 3.3.3	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	Clause No: 4.13	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	Clause No: C-1.4	Glazing: If glazing or glass bricks are used in a staircase shall have fire rating of minimum 2 hours.
11	Clause No: C-1.4.19	Glazing: If glass is used as a facade for building it shall have minimum 1 hours fire rating.
12	Clause No: 3.48.3	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	Clause No: 3.48.4	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	Clause No: C-1.9	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.



Clause No: C-1.12 Fire stopping cable ducts penetration: The electrical distribution cables Airing 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. Exits shall be clearly visible and the route to reach the exits 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 or an 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 exits 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 that 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., Angles, 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 9 c.m. The number of risers shall limited to 15 per flight.
11. Handrails shall be of a height not less than 100 c.m. and not exceeding 120 c.m.
12. The width of the staircase shall not less than 1.50 Mtrs. All the staircases in the building shall be provided with Pressurization devices. In this method air is injected to the staircases, lobbies, corridors, to raise their pressure slightly above the pressure in the adjacent part of the building. This will prevent ingress of smoke or toxic gases into the escape routes. The Pressurization devices shall be integrated with the smoke & heat detection system. The device should operate automatically after the smoke, heat, etc. is detected by the detector.
13. All the staircase doors on every floor shall be provided with two hours fire resistive doors having panic bars at both the sides.

Staircase Enclosures:-

1. The external enclosing walls of the staircase shall be of the brick or the RCC construction having the fire resistance of not less than two hours. All enclosed staircase shall have access through self closing door of one hour fire resistance. These shall be single swing doors opening in the direction of escape. The door shall be fitted with the check action door closers.

2. The staircase enclosure on the external wall of the building shall be ventilated to the atmosphere at each landing.
3. Permanent vent at the top equal to the 5% of the cross section area of the enclosure and open able sashes at each floor level with area equal to 1 to 15% of the cross sectional area of the enclosure on external shall be provided. The roof of the shaft shall be at least 1 meter above the surrounding roof. There shall be no glazing or the glass bricks in any internal closing wall of staircase. If the staircase is in the core of the building and cannot be ventilated at each landing a positive pressure of 5 mm w.g. by an electrically operated blower blower shall be maintained.
4. The mechanism for pressurizing the staircase shaft shall be so installed that the same shall operate automatically on fire alarm system/ sprinkler system and be provided with manual operation facilities.

Pressurization of Staircases (Protected Escape Routes):

1. Though in normal building design compartmentation plays a vital part in limiting the spread of fire, smoke will readily spread to adjacent spaces through the vertical leakages opening in the compartment enclosure, such as cracks, opening around pipes ducts, airflow grills and doors, as perfect sealing of all these opening is not possible. It is smoke and toxic gases, rather than flame, that will initially obstruct the free movement of occupants of the building through the means of escape (Escape Routes) Hence the exclusion of smoke and toxic gases from the protected routes is of great importance.
2. Pressurization is the method adopted for protected escape routes against ingress of smoke, especially in high rise building. In pressurization, air is injected into the staircases, lobbies or corridors, to raise their pressure, 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	30 Pa

It is possible the same levels shall be used for lobbies and corridors but levels slightly lower may be used for those 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 15 c.m. (0.2 sq.m.) in clear area.
3. Lift motor room shall preferably be sited at the top of the shaft and shall be separate from lift shafts by the enclosing wall of the shaft or by the floor of the motor room.
4. Landing doors in lift enclosures shall open in the ventilated corridor/ lobby & shall have fire resistance of not less than one hour.
5. The number of lifts in one lift bank shall not exceed four. Lift car doors shall have fire resistance of not less than one hour. A wall of two hours fire rating shall separate individual shafts in a bank. Minimum one lift in every lift bank must be a "Fire Lift"
6. For the building 15 meters and above in height, collapsible gates shall not be permitted for lifts and shall have solid doors with fire resistance of at least one hour.
7. If the lift shaft and lobby is in the core of the building a positive pressure between 25 and 30 pa shall be maintained in the lobby and a possible pressure of 50 pa shall be maintained in the lift shaft. The mechanism for the pressurization shall act automatically with the fire alarm /sprinkler system and it shall be possible to operate this mechanically also.
8. Exit from the lift lobby, if located in the core of the building shall be through a self closing fire smoke check door of one hour fire resistance.
9. Lift shall not normally communicate with the basement. If however, lifts are in communication, the lift lobby of the basement shall be pressurized as mention above with self closing doors.
10. The lift machine room shall be separate and no other machinery shall be installed therein.
11. Ground switch/switches at ground floor level to enable the fire service personnel to ground the lift car-cars in emergency shall be provided.

14. Telephone or other communication facilities shall be provided in the lift cars which shall be connected to fire control room of the building.
15. 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.
16. A sign shall be posted & maintained on every floor as 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.
17. 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 have 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 framed 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 one fourth and one half of the area of the shaft. Refuge chutes shall have an outlet at least wall of non combustible material with fire resistance of not less than two hours. They shall not be located within the staircase enclosure or service shafts or air conditioning shafts. Inspection panel and door shall be tight fitting with one hour fire resistance, the chutes should be as far away as possible from exists.
3. Refuge chutes shall not be provided in staircase wall and A/c shaft etc.

ELECTRICAL SERVICES:

1. The electric distribution cables/wiring shall be laid in separate duct. The duct shall be sealed at every alternate floor with non-combustible materials having same fire resistance as that of the duct. Low & medium voltage wiring running in shaft & false ceiling shall run in separate conduit.
2. Water mains, telephones lines, intercom lines, gas pipes or any other service lines shall not be laid in the duct of electric cables, use of bus ducts /solid rising mains instead of cables shall be preferred.
3. Separate circuits for water pumps, lift, staircase & corridor lighting shall be provided directly from the main switch gear panel and these circuits shall be laid in separate conduit pipes so that fire in one circuit will not affect the other. Such circuits shall be protected at the origin by an automatic circuit breaker with its no-volt coil removed. Master switches controlling essential service shall be clearly labeled.
4. The inspection panel doors and any other opening in the shaft shall be provided with air tight fire doors having the fire resistance of not less than one hour.
5. Medium & low voltage wiring running in shaft and within false 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 stalling current of all the machines & circuits stated above simultaneously. If 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 exits.
 - 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 route
 - 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 does 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 lighting 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 conform 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.



- ii) 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 installed 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 stand 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 or 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 or insufficient heat to actual heat sensitive devices controlling fans or dampers. Such means shall consist of approved effective sensitive control.

Air Conditioning Should Conform 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:653-1963 (Revised)
- 3. Whenever 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 same 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 space above false ceiling.
- 6. Where plenum is used for return air passage, ceiling & its fixtures shall be non-combustible material.
- 7. The materials used for insulating the duct system (inside or outside) shall be non-combustible material. Glass wool shall not be wrapped or secured by any combustible material.
- 8. Area more than 750 Sq. Mtrs. on individual floor shall be segregated by a fire wall & automatic fire dampers for isolation shall be provided.
- 9. The fire dampers shall be capable of operating manually
- 10. Air ducts serving main floor area corridor etc. shall not pass through fire 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 unit serves more than 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 dust 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 sunglasses with neoprene facing enclosed & wrapped with aluminium 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 than 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.

FIRE TOWER:-

1. Fire Towers are the preferred type of escape route for storied buildings and these shall be considered as the safest route for escape. Their number, location and size depend on the building concerned and its associated escape route.
2. In high building with over 8 storey or 24 Mtrs. in height at least one required means of egress shall preferably be fire tower
3. The fire tower shall be constructed of walls with a 2 hours fire resistance rating without opening other than the exit doorways with platforms landing and balconies having the same fire resistance rating.

TRANSFORMER:-

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

BASEMENT:-

1. Automatic sprinkler system should be provided for entire basement. Distance between 2 sprinklers should not be more than 3.00 Mtrs.
2. De-watering arrangement should be made in the basement. Separate dedicated de-watering pumps shall be provided.
3. The sprinkler pump should be separate and should be interlink with wet riser.
4. The basement should be provided with sufficient no. of staircases as per NBC.
5. The staircase should have at least four hrs. fire resistance. The staircase provided for the upper floors shall not communicate to the basement. Separate staircase with separate entry from ground floor shall be provided for basement.
6. The alternate power supply should be provided at all basements.
7. Proper mechanical ventilation should be provided in basements

GUIDELINES FOR ROOFTOP LANDING FACILITIES (For the building above 60 Mtrs. as per NBC 2005 part 4, annex C.) (NFPA 418 STANDARDS FOR HELIPORTS) :

1. **Structural Support :** Main structural support members that could be exposed to a full spill shall be made fire resistant using listed materials and methods to provide a fire resistance rating of not less than 2 hour
2. **Landing Pad Pitch:** The roof top landing pad shall be pitched to provide drainage that flows away from passenger holding areas, access points, stairways, elevator shafts ramps, hatches, & other openings
3. **Landing Pad Construction Materials:** The rooftop landing pad surface shall be constructed of noncombustible nonporous materials that are approved. The contiguous building roof covering within 50 feet (15.2Mtrs.) of the landing pad edge shall have class A ratings.
4. **Means of Egress:** At least two approved means of egress from the roof top landing pad edge shall be provided and shall be remotely located from each other to the extent practical
5. For heliports occupied by 50 or more people two approved means of egress from the roof shall be provided shall be remotely located from each other to the extent practical but shall not be located less than 30 feet (9.1Mtrs) from each other. For helipads occupied by less than 50 people one approved means of egress from the roof shall be provided.
6. Means of egress from the roof top landing pad and roof shall not obstruct flight operations
7. **Fire Protection :** A foam fire extinguishing system shall be designed and shall to protect the roof top landing pad For H-1 heliports two portable foam extinguishers each having a rating of 20 --A 160 --B shall be permitted to be used to satisfy this requirement.



The foam discharge rate shall be as following

AFV	4.1 L/min/sq. Mtrs
Flour protein	6.5 L/min/sq. Mtrs
Protein	8.1 L/min/sq. Mtrs

8. The area of application of foam discharge for fixed discharge outlet systems shall be the entire roof top landing pad. The duration shall be 10 minutes.
9. The area of application of foam discharge for hose line system shall be the practical critical area for the category of the helicopter landing facility. The duration shall be 2 minutes.

Practical critical fire areas

Category	Helicopter overall Length	Practical critical Fire Area.
H-1	Up to but not including 50 feet (15.2m)	575 Sq. feet (53.48sq. m)
H-2	From 50 feet (15.2m) up to but not including 80 feet (24.4m)	840Sq. feet (77.08sq. m)
H-3	From 80 feet (24.4m) up to but not including 120 feet (36.6m)	1440Sq. feet (133.88sq. m)

Note : Helicopter length including the full boom and the rotors.

10. The water supply for the foam system shall be from a reliable source. The fire pumps for the system shall be installed in accordance with NFPA 20 Standard for the installing of centrifugal fire pumps.
11. Stand pipes and hose station shall be installing in accordance with NFPA 14 Standard for the installation of stand pipe & hose system
12. The foam components shall be installing in a readily accessible area of the heliport and shall not penetrate the primary approach departure and transitional surfaces defined in paragraphs 3J, 3k, 3L, 13 & 21 of FAA A/C 150/5390-2 Heliport design advisory circular.
13. If building shall more than one rooftop landing pad the supply of foam available shall be sufficient to cover incident on at least one of the pads.
14. If fixed foam system utilizing fixed deck nozzles or oscillating foam wretts or both are installing system components shall be listed or approved by relevant standards.

Stand Pipes : If a building with roof top heliport is supplied with a standpipe system a class II standpipe shall be extended to roof level on which the rooftop heliport is located Such stand pipe shall be installed in accordance with NFPA-14 Standard for the installing of stand pipe & hose system.

Fire Alarm : Where building are provided with a fire alarm system a manual pull station shall be provided for each designated means of egress from the roof.

Portable Fire Extinguishers: At least one portable extinguisher as specified in below given table shall be provided for each take - off & landing area, parking area, fuel storage area.

Category	Helicopter overall Length	Minimum Rating
H-1	Up to but not including 50 feet (15.2m)	4-A:80B
H-2	From 50 feet (15.2m) up to but not including 80 feet (24.4m)	10-A:120-B
H-3	From 80 feet (24.4m) up to but not including 120 feet (36.6)	30-A:40-B

Note : Helicopter length including the full boom and the rotors.

As per Table 23 of part IV, NBC 2005 the provisions should be provided for buildings C1, C2, C3.

Sr. No	Protection	Requirements	Provision	Remarks
01	Fire Extinguishers for A, B, C, class of fires	Required	As per IS 2190	At strategic Location
02	Hose Reel Hose with jet & spray multipurpose nozzle	Required in fire staircase	Rubber hose preferably yellow fluorescent, 19 mm ID ISI marked, not less than 20.00 Mtrs.	
03	Court Yard hydrant or Ring Hydrant System around Building	Required	Confirming IS:3844:1989, IS:13039:1991	Spacing at not more than 45.00 Mtrs.

04	Wet Riser cum down corner	Required in fire staircase	"C" class ISI marked - 6" dia. Pipeline of Zenith / Jindal / TATA / Surya / APL Apollo / Siddhartha / Bhushan make	
05	Automatic Sprinkler System	Required at basement & all entire floors including corridors, lobbies & passages of each building.	Confirming to IS:15105:2002	Distance should be maintained - 1.4 Mtrs. between sprinklers
06	Manually Operated Fire Alarm System.	Required		On each floor near each staircase
07	Automatic Fire Detection & Alarm System	Required at all entire floors including corridors, lobbies & passages of each building.	Confirming to IS:2189:1999&IS:11560:1985,& 2175:1988	Addressable Fire alarm & detection system recommended
08	Underground Static Storage tank	Required 3,00,000 ltrs.		
09	Terrace Tank	Required 20,000 ltrs. to each wing		Above staircase on terrace floor for independent water supply to wet riser cum down corner.
10	Fire pumps main Pumps on Underground water tank	2 Nos. 3250 lpm Electrical driven 1 No. 3250 lpm Diesel driven 1 No. 180 lpm jockey pump electrical driven		Positive fire pump suction preferred Pumps of Kirloskar / Crompton / Mather & Platt makes
	Booster Pumps On terrace level with stand by pump.	1 Nos. 900 lpm electrical driven		
11	1. Fire Brigade Connection For Static Water Tank 2. Hydrant Sprinkler Riser System 3. External hydrant ring main	2 way. 3 way. 4 way.		Near the entry point of the building.
12	Fire Dampers in AC Ducts	Required	IS:655:1965 specifications for metal air ducts (Revised)	
13	Fire Lift	Required	50% of total lifts provided to the building	
14	Refuge Area	Required		For High-rise Bldgs only
15	Fire Doors	Required at each floor to the staircase and front door of each flat of each building	Confirming to IS: 3614 (Part-1)1966	2 hrs. Fire resistive types with panic bar from both the sides (Tested by Roark) or A.R.A. (only)
16	Safety signs & Exit Signs	Florescent type	IS:12349:1988&IS12407:1988	On all strategic locations
17	Helipad	Required		To be provided on terrace of the building
18	Compartmentation floors	Required		750 Sq.Mtrs. area per floor

[Handwritten Signature] ... 15 -

	Pressurization of fire escape staircases/ Fire lift	Required	For Highrise buildings above 24 Mtrs. height
20	Fire Resistance Insulation or sealing of floor or compartment doors.	Required for limiting the spread of heat & smoke	
21	Emergency Lights	Required	
22	Fire watering System	Required in basement.	
23	PA system with talk Back Facility	Required	
24	Auto D.C. Backup	Required for all fire safety systems & fire lift	
	Fire Resistance rating for Glass used for facade	Required	

The other provisions of D.C. Rules of PMC & NBC, Part IV, 2005 should be strictly followed.

Final Fire NOC for the said project cannot be issued, until this department procures adequate fire fighting equipments (Hydraulic Platform) to cater services for high rise buildings up to 100 Mtrs.

Regular Training and Maintenance of these systems should be carried out by the housing society / owners. As per provisions made in Maharashtra Fire Prevention And Life Safety Act 2006, the necessary Fire Service Fees and Annual Fees should be paid to PMC before obtaining the Final Fire NOC. All other provisions of D.C. Rules of Pune Municipal Corporation & National Building Code Of India- 2005 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 compliant to the above provisions and are conform by the undersign during the site 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 proved 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.

(Prashant D. Karpise)
Chief Fire Officer

Pune Municipal Corporation.
P.H.

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



सत्यमेव जयते

पीएनए/ पीएनए(४)/ एचएसजी/
(टीसी) / ११९००/२०१२-१३
दिनांक २५/०६/२०१२

महाराष्ट्र शासन
सहकार व वस्त्रोद्योग विभाग

नोंदणी प्रमाणपत्र

या प्रमाणपत्राद्वारे प्रमाणित करण्यात येत आहे की,

कुमार प्रिन्सटाऊन सहकारी गृहरचना संस्था मर्यादित,

स.नं.९, हिस्सा नं.१+२/१ए,२/२,२/३,२/४,२/५,२/६,२/७,उंडी ता.हवेली जि.पुणे

ही संस्था महाराष्ट्र सहकारी संस्थांचे अधिनियम १९६० मधील (सन १९६१ चा महाराष्ट्र अधिनियम क्रमांक २४) कलम ९ (१) अन्वये नोंदण्यात आलेली आहे.

उपरिनिर्दिष्ट अधिनियमाच्या कलम १२ (१) अन्वये व महाराष्ट्र सहकारी संस्थांचे नियम, १९६१ मधील नियम क्रमांक १० (१) अन्वये संस्थेचे

वर्गीकरण गृहनिर्माण संस्था असून

उपवर्गीकरण भांडेकरु सहभागिदारी गृहनिर्माण संस्था आहे.



पुणे

दिनांक २५/०६/२०१२

(के.लास जेबळे)

उपनिबंधक, सहकारी संस्था
पुणे शहर (४) पुणे



GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers
(Recognized By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)
(No. Q - 1508 / 32 / 2007 - CPW)
(ISO 9001, 14001 & 45001 Certified Organizations)

Report No:- GCI/V/LAB/PEC/20-21/Feb-00/0070

Date: 20/02/2021

ANALYSIS REPORT

Client Details		Sample Details	
Name	Kumar Princetown by Manikchand Kumar Properties	Sample Code	GCI/V/21/B2/KMK/OWC1
Address	Survey No. 9/1, 9/2/1A to 9/2/7, village Undri, Pune	Location	Manure sample of OWC 75 kg/Day
		Quantity	2.0 kg
Sampling Done By	Mukesh	Date of Sampling	09/02/2021
Analysis Starts on	10/02/2021		
Analysis Completion On	18/02/2021	Sample Received Date	09/02/2021

MANURE ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	Limits as per FCO	Test Procedure
1	pH	-	7.2	6.5-7.5	IS 2720 (Part 26):1987
2	Moisture	%	17.4	<25	IS 2720 - Part - 2
3	Odour	-	Blackish Brown	Dark brown to Black	In house
4	Colour	-	Absence of Foul Smell	Absence of Foul smell	In house
5	Bulk Density	g/cm ³	0.43	<1.0	IS: 2720-P-28-1974
6	Total Organic Carbon	%	24.2	>14.0	IS 2720 : Part 22 : 1972
7	Total Nitrogen as N	mg/kg	1.6	>0.8	Kjeldahl Method
8	Phosphate as P	mg/kg	0.5	>0.4	Olsen Method
9	Potassium as K	mg/kg	0.7	>0.4	EPA 3050 B
10	C:N ratio	-	15.1	<20:1	-
11	Particle Size	-	87 % pass through 4mm Sieve	Min 90% material pass through 4mm IS sieve	IS: 2720-P4-1985



Authorized Signatory

- Analysis is subject to the condition in which the sample is received at our laboratory.
- Reports can not be used as an evidence anywhere including judiciary purpose without our prior permission.
- Sample will be retained till one month from the date of sampling.



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Report No:- GCI/V/LAB/PEC/20-21/Feb-00/0070

Date: 20/02/2021

ANALYSIS REPORT

Client Details		Sample Details	
Name	Kumar Princetown by Manikchand Kumar Properties	Sample Code	GCI/V/21/B2/KMK/OWC2
Address	Survey No. 9/1, 9/2/1A to 9/2/7,village Undri, Pune	Location	Manure sample of OWC 75 kg/Day
		Quantity	2.0 kg
Sampling Done By	Mukesh	Date of Sampling	09/02/2021
Analysis Starts on	10/02/2021		
Analysis Completion On	18/02/2021	Sample Received Date	10/02/2021

MANURE ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	Limits as per FCO	Test Procedure
1	pH	-	7.1	6.5-7.5	IS 2720 (Part 26):1987
2	Moisture	%	18.7	<25	IS 2720 – Part – 2
3	Odour	-	Blackish Brown	Dark brown to Black	In house
4	Colour	-	Absence of Foul Smell	Absence of Foul smell	In house
5	Bulk Density	g/cm ³	0.44	<1.0	IS: 2720-P-28-1974
6	Total Organic Carbon	%	24.6	>14.0	IS 2720 : Part 22 : 1972
7	Total Nitrogen as N	mg/kg	1.8	>0.8	Kjeldahl Method
8	Phosphate as P	mg/kg	0.6	>0.4	Olsen Method
9	Potassium as K	mg/kg	0.9	>0.4	EPA 3050 B
10	C:N ratio	-	13.6	<20:1	-
11	Particle Size	-	86 % pass through 4mm Sieve	Min 90% material pass through 4mm IS sieve	IS: 2720-P4-1985



Authorized Signatory

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- Reports can not be used as an evidence anywhere including judiciary purpose without our prior permission.
- Sample will be retained till one month from the date of sampling.

Budget for Environment Management Plan

Construction Phase:

Sr. No.	Attributes	Parameter	Total cost in Lakhs per annum
1	Air environment	Water for dust suppression	0.14
2	Site sanitation & Safety	Provide workers Hygienic & safe environment to work	2.93
3	Disinfection	Maintain hygiene of work place.	0.32
4	Good Health Practices	To check health of worker on site.	0.6
5	Environment Monitoring	To monitor the environmental parameters.	2.5
6		Total Cost	6.49

Operation Phase:

Sr. No.	Component	Pollution Control Measures	Capital Cost (Rs. Lakhs) (As per EC)	Recurring Cost Per Annum (Rs. Lakhs) (As per EC)	Actual cost incurred at site
1.	Rain Water Harvesting	RWH pits will be provided	35	1.5	0.05
2.	Waste management	To assure proper disposal of Dry and Wet Waste, OWC will be provided for wet waste	23.85	4.0	1.76
3.	Waste water Management	Sewage Treatment Plant	143	12.0	17.28
4.	Landscaping	Landscaping and gardening	62.8	3.6	0.12
5.	Energy saving	Solar and other energy efficient appliances	203	10.0	15.67
		Total	467.65	31.1	34.88



HAMZA KHAN
JAIPUR, AUGUST 5

RAJASTHAN ASSEMBLY on Monday passed Bills against mob lynching and honour killing, which make them cognisable, non-bailable and non-compoundable offences with life imprisonment and fine up to Rs 5 lakh. The Bill to curb honour killing also has a provision of death penalty.

Following "many" such lynchings "resulting in loss of livelihood, injuries and death of persons at the hands of mob" the Ashok Gehlot government had said it hopes to "nip the evil in the bud." The state has witnessed several incidents of lynching since 2017, beginning with dairy farmer Pehlu Khan in April 2017.

Rajasthan Prohibition of Interference with the Freedom of Matrimonial Alliances in the Name of Honour and Tradition Bill, tabled by minister Shanti Dhariwal on July 30, were discussed on Monday and subsequently passed by voice vote.

During the discussion in the Assembly on the Rajasthan Protection from Lynching Bill, Leader of Opposition Gulab Chand Kataria said there are already adequate provisions in Indian Penal Code (IPC) to penalise those who commit such offences. He said that the Bill defines two people as a mob, which goes against the definition of a mob, and accused the government of trying to please a particular community through the Bill. "Don't push

EXPLAINED E.

What the anti-lynch Bill says

OFFENCES UNDER new law will be investigated by a police officer of the rank of Inspector and above, and state DGP will appoint an officer of IG or above rank as state coordinator to prevent lynchings. In cases of "hurt" and "grievous hurt" from such assault, the convict may get up to seven and 10 years in jail, respectively. If the attack leads to death, the punishment is life imprisonment. The Bill also makes conspirators accountable.

the state into a fire just to make a certain community happy," he said.

Deputy Leader of Opposition Rajendra Rathore termed the Bill a "black law, which will affect generations to come." He said the proposed law doesn't consider "bare minimum" carefulness.

decided to correct a mistake in a famous slogan by Dr BR Ambedkar in one of the Class 5 textbooks of Gujarat State Board of School Textbooks (GSBST). A decision was taken by the authorities after a meeting with Education Minister Bhupendrasinh Chudasama on Monday.

Last week, *The Indian Express* reported that a group of Ambedkarites from Gujarat had submitted a protest letter to the CMO against "tweaking" of the historic slogan given by Dr Ambedkar in the Class 5 textbook. The same letter was also given to Deputy CM Nitin Patel, Education Minister Bhupendrasinh Chudasama and Social Justice & Empowerment Minister Ishvar Parmar.

Following this, Education Minister Chudasama called

Express, P Bharathi, Director GSBST, said, "It was decided the meeting with the Education Minister) to correct the mistake. We all know that the mistake has been committed. We all know that quotation very clearly. We have called a small meeting of experts, those who have complained and two-three other people tomorrow (in this regard)."

"It (correction) will be finished within two days and then we will give it (the textbook) for reprint..It will be changed immediately in online books," Bharathi added. The slogan by Ambedkar in the context — Educate, Agitate, Organise — has become synonymous with the Dalit movement in Gujarat. In Gujarati, it is popular as, "Shikshit Bano, Sangat Bano Ane Sangharsh Karo."

Man dead, IAS officer suspended

Thiruvananthapuram: Kerala IAS officer Sriram Venkitaraman, who was arrested and remanded in judicial custody on charges of killing a journalist in a case of drunk driving accident, was suspended from service on Monday.

The suspension order, issued by the General Administration Department, stated that the IAS officer was placed under suspension with immediate effect under rule 3(3) of All India Services

(Discipline and Appeal) Rules.

Venkitaraman, who had gone abroad for higher studies, was last week appointed director of the state Survey and Land Records Department on return. The accident occurred early Saturday when the car, allegedly driven by the IAS officer in an inebriated condition, rammed into a two-wheeler, killing the rider, M Basheer, who was bureau chief with Malayalam daily 'Siraj'. B

PUBLIC NOTICE

We, Manikchand Kumar Properties, a registered firm having its office at Kumar Capital, 2413, East Street, Camp, Pune - 411001, do hereby bring to the kind notice of general Public that Environment Department - Government of Maharashtra has granted Environmental Clearance for Expansion in proposed "Residential & Commercial Project at S. No. 9/1, 9/2/1A to 9/2/7, Village Undri, Pune." vide their letter dated August 3rd, 2019 vide their EC No. SEIAA-EC-0000001925. The copies of the Clearance letter are available with Maharashtra Pollution Control board and may also be seen on the website of the Department of Environment, government of Maharashtra at <http://www.ec.maharashtra.gov.in>

Manikchand Kumar Properties, Pune

Indian Bank
Pimpri Chinchwad Branch
HIRA MOTI FORTUNE GROUND FLOOR
PUNE MUMBAI HIGHWAY CHINCHWAD-411033
Ph: 020-27464325, 020-27464326
email-pimpri@indianbank.co.in

POSSESSION NOTICE

{Rule - 8(1)} (For immovable property)

Whereas
The undersigned being the Authorised Officer of the Indian Bank under the Securitisation and Reconstruction of Financial Assets and Enforcement of Security Interest Act 2002 and in exercise of powers conferred under Section 13 (12) read with rule 8 and 9 of the Security Interest (Enforcement) Rules 2002 issued a demand notice/Paper publication dated 30.05.2019 calling upon the borrowers, **Mr. Rangayan Govind Swamy and Mrs Prabha Govind Swamy** with our PIMRI CHINCHWAD Branch to repay the amount mentioned in the notice being **Rs. 2997065.10 (in words Rupees, Twenty Nine Lakh ninety seven thousand sixty five & Ten Paise only)** within 60 days from the date of receipt of the said notice.
The amount due as on 31.07.2019 (Please mention the date up to previous month) is **Rs 2941738/- (Rupees Twenty nine lac forty one thousand seven hundred thirty eight only)** with further interest, costs, other charges and expenses thereon.

The borrower having failed to repay the amount, notice is hereby given to the borrower and the public in general that the undersigned has taken possession of the property described herein. Now in exercise of powers conferred on him/her under Section 13 (4) of the said Act read with rule 8 and 9 of the said rules on this 1st day of August of the year 2019

The borrower in particular and the public in general is hereby cautioned not to deal with the property and any dealings with the property will be subject to

SML ISUZU LIMITED

Head Office: Village Aarun, District Gurgaon, Haryana - 122002, India
Phone: 0120-270255, Fax: 0120-270256
Email: investors@smlltd.com
Registered Office: Plot No. 1223, C-1, LSI 0101PB, Gurgaon, Haryana - 122002, India
Website address: www.smlltd.com

NOTICE

Notice is hereby given pursuant to Regulation 29 read with Regulation 47 of the SEBI (Listing Obligations and Disclosure Requirements)



सर्व कायम

घराबाहेर न पडण्याचे महापौरांचे आवाहन

प्रतिनिधी, पुणे

खडकवासलामधून आजपर्यंत मोठ्या प्रमाणात केलेला विसर्ग

वर्ष	विसर्ग (व्युत्सेक केगाने)
१९४३ -	८०,७७६
१९५४ -	१,०५,९४०
१९५८ -	१,९३,३९२
१९८३ -	८६,४९०
१९९७ -	९०,५७०

वाढही करण्यात येईल, अशी माहिती खडकवासला पाटबंधारे विभागाचे कार्यकारी अभियंता पांडुरंग शेलार यांनी दिली.

शहर आणि परिसरात पावसाचा जोर पुढील काही तास कायम राहणार असल्याचा अंदाज हवामान विभागाने वर्तविला आहे. त्यामुळे नागरिकांनी शक्यतो घराबाहेर पडू नये, असे आवाहन शहराच्या महापौर मुक्ता टिळक यांनी केले आहे.

शहरात गेल्या दोन दिवसांपासून संततधार सुरू असून पाणीपुरठा करणाऱ्या चारही धरणांच्या पाणलोट क्षेत्रात मुसळधार पाऊस होत आहे. त्यामुळे पानशेत, वरसगाव आणि खडकवासला धरणातून नदीपात्रात पाण्याचा मोठा विसर्ग सुरू आहे. त्यामुळे शहरात पूरपरिस्थिती उद्भवली आहे. नदीपात्रालगतच्या सोसायट्या, इमारती, वस्त्यांमध्ये पुराचे पाणी शिरले असून आपत्ती निवारण पथकांकडून नागरिकांना सुरक्षित स्थळी स्थलांतरित करण्याची प्रक्रिया सुरू करण्यात आली आहे. शहर आणि परिसरात पावसाचा जोर कायम राहणार असल्याचा अंदाज भारतीय हवामान विभागाने वर्तविला आहे. या पार्श्वभूमीवर महापौर मुक्ता टिळक यांनी हे आवाहन केले आहे.

नागरिकांच्या सुरक्षेच्या दृष्टीने प्रशासन, अग्निशमन विभाग सज्ज असून पाण्याचा वाढता प्रवाह आणि नदीच्या पाण्याची वाढती पातळी लक्षात घेऊन राष्ट्रीय आपत्ती निवारण



नदीला आलेल्या पुरामुळे महापालिकेच्या शाळांमध्ये स्थलांतरित करण्यात आलेल्या ठिकाणांना महापालिका आयुक्त सौरभ राव यांनी सोमवारी भेट दिली. निवास, भोजन, वैद्यकीय सुविधांची पाहणी करून त्यांनी संबंधित अधिकाऱ्यांना सूचना दिल्या. औंध, बाणेर, बालेवाडी, वाकडेवाडी, पाटील इस्टेट या भागाची पाहणी त्यांनी स्थानिक नगरसेवकांच्या बरोबर केली.

पथकाची (एनडीआरएफ) एक तुकडी तैनात करण्यात आली आहे. अनेक कुटुंबांना सुरक्षित स्थळी स्थलांतरित करण्यात आले असून तेथे योम्या त्या सोयी-सुविधा उपलब्ध करून देण्याची सूचना संबंधित अधिकाऱ्यांना दिल्याचे महापौर मुक्ता टिळक यांनी सांगितले.

बंद

वीज देण्याचे आवाहन

गातील वीजपुरवठा बंद करण्यात आला वीज सुरळीत करण्यासाठी प्रयत्न सुरू असून, पाण्याचा ओघ कमी होताच हे. मात्र, पूरस्थितीमध्ये यंत्रणेत कुठे वीजवाहिनी तुटून पडल्यास ०२३३३४३५ किंवा १९१२ या टोल हल करण्यात आले आहे.

जवाहरलाल नेहरू पोर्ट ट्रस्ट
(बंदर नियोजन आणि विकास विभाग)
ISO 9001:2015, ISO 14001:2015, ISO 27001:2013, ISO 45001:2018 CERTIFIED
लघु ई-निविदा सूचना
निविदा क्र.: जेएनपी/पीपीडी/एम-॥/सीटी-कॅटीन रीनोव्हेशन/टी-३१(आर)/२०१९ दि. ०३/०८/२०१९
जवाहरलाल नेहरू पोर्ट ट्रस्टने १५/०७/२०१९ रोजी जे. एन. पोर्टच्या कस्टम-बाउंड क्षेत्रातील कॅटीन आणि शिफ्ट प्रभारी इमारतचे नूतनीकरण या कामासाठी निविदा आमंत्रित केले होते. प्रमाण वित्त सुधारणा केली गेली आहे आणि पुन्हा आमंत्रित करण्यात आले आहे. बोलीदारांना ई-निविदा पोर्टल <http://eprocure.gov.in> आणि जेएनपीटीच्या वेबसाइट www.jnport.gov.in वरून सुधारित प्रमाण बिल डाउनलोड करण्याची विनंती केली जाते. इतर सर्व निविदा अटी तसेच राहतील. मुख्य व्यवस्थापक (बं.नि. आणि वि.वि.)

जाहीर सूचना

आम्ही, माणिकचंद कुमार प्रॉपर्टीज कार्यालय पत्ता: कुमार कॅपिटल, २४१३, ईस्ट स्ट्रीट, कॅम्प, पुणे- ४११००९, याद्वारे जनतेस कळवू इच्छितो की, महाराष्ट्र सरकारच्या पर्यावरण मंडळाने आमच्या सर्व्हे नं. ९/१, ९/२/१९ ते ९/२/७ उंड्री गाव, पुणे येथील नियोजित बांधकाम प्रकल्पास दि. ३ ऑगस्ट २०१९ रोजी दिलेल्या EC No. SEIAA-EC-0000001925 या पर्यावरण विषयक पत्रानुसार मंजुरी दिली आहे. या मंजुरीची प्रत महाराष्ट्र प्रदूषण नियंत्रक मंडळ यांच्या कार्यालयात, तसेच पर्यावरण विभाग, महाराष्ट्र सरकार यांच्या <http://www.ec.maharashtra.gov.in> या संकेतस्थळावर उपलब्ध आहे.

माणिकचंद कुमार प्रॉपर्टीज, पुणे

बीएफ इन्व्हेस्टमेंट लिमिटेड
सीआयएन : L65993PN2009PLC134021
नोंदणीकृत कार्यालय : मुंबई, पुणे कॅन्टॉमेंट, पुणे ४११०३६
दूर : +९१ २० ६६२९ २५५०/२५२६
ई-मेल : Secretarial@bfilpune.com संकेतस्थळ : www.bfilpune.com

सूचना
भारतीय प्रतिभूती आणि विनिमय बोर्ड (नोंदणी कर्तव्ये आणि प्रकटीकरण आवश्यकता) नियम २०१५ च्या नियम क्र. २९(१)(अ) व ४७ अन्वये सूचना देण्यात येते की, दिनांक ३० जून, २०१९ रोजी संपलेल्या तिमाहीचे अलेखापरिक्षित वित्तीय परिणाम विचारात घेऊन व त्यास मान्यता देण्यासाठी कंपनीच्या संचालक मंडळाची बैठक बुधवार १४ ऑगस्ट, २०१९ रोजी होणार आहे. वरील माहिती कंपनीच्या संकेतस्थळावर www.bfilpune.com तसेच शेअर बाजाराच्या संकेतस्थळावर म्हणजेच मुंबई शेअर बाजार www.bseindia.com आणि राष्ट्रीय शेअर बाजार www.nseindia.com येथे उपलब्ध आहे.

बीएफ इन्व्हेस्टमेंट लिमिटेड करिता सही/-
एस. आर. क्षीरसागर
कंपनी सचिव

स्थळ : पुणे
दिनांक : ५ ऑगस्ट, २०१९

ANDHRA BANK
(A Govt. of India Undertaking)
शाखा : बारामती
प्लॉट नं. २, हि. नं. ८७ महावीर हॉस्पिटल वसंतराव पवार नैज्युहा जवळ, पुणे जिल्हा, बारामती - ४१३१०२. टेली. नं. ०२११२-२२८८००८

ताबा नोटीस
(सेक्युरिटी इन्टरेस्ट (एन्फोर्समेंट) नियम २००२ मधील नियम-८(१) अन्वये) (स्थावर मिळकर्तीकरिता)
ज्याअर्थी, खालील सही करणारा हे आंध्रा बँकेचे अधिकृत अधिकारी यांनी सेक्युरिटीयझेशन अँड रिकन्स्ट्रक्शन ऑफ फायनान्शियल असेट्स अँड एन्फोर्समेंट ऑफ सेक्युरिटी इन्टरेस्ट अँड



MANIKCHAND KUMAR PROPERTIES

REGISTERED ADDRESS : KUMAR CAPITAL, 2413, EAST STREET, CAMP, PUNE - 411 001. TEL. : 30528888, 30583635
FAX : 91-20-26353365 Email : contact@kumarworld.com Website : www.kumarworld.com

Date: 07/10/2020

To,
Executive Engineer,
Building Control Department,
PMC, Pune

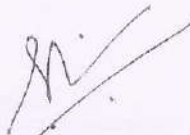
Subject – Regarding submission of Environment Clearance copy of 'Residential & Commercial' is being developed by Manikchand Kumar Properties

Dear Sir,

Manikchand Kumar Properties is developing a residential & commercial project at S. no. 9/1, 9/2/1A to 9/2/7, Village Undri, Pune. The project has received Environment Clearance from State Environment Impact Assessment Authority (SEIAA) vide no. SEIAA-EC-0000001925 dated 03/08/2019. As per condition (LI) given in clearance letter we are herewith submitting Environment Clearance letter for your reference.

This is for your information and record.

Thank you.
Yours Faithfully,


For, Manikchand Kumar Properties

ANNEXURE

1. Environment Clearance copy

SALE
11/10/20
9/19/2020
नगर अभियंता कार्यालय
पुणे महानगरपालिका
बा.वि.वि.
घोष क्रं. ३



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2020

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000025038

Submitted Date

20-08-2020

Company Information

Company Name

Kumar Princetown of Manikchand
Kumar Properties

Application UAN number

MPCB-CONSENT-0000077627

Address

Kumar Capital, East Street, camp,
pune

Plot no

S. no. 9/1, 9/2/1A to 9/2/7,

Taluka

Haveli

Village

Undri

Capital Investment (In lakhs)

15225.00

Scale

L.S.I

City

Pune

Pincode

411060

Person Name

Mr. Kevalkumar Kesarimal Jain

Designation

Partner

Telephone Number

9011009240

Fax Number

Email

moef11@kumarworld.com

Region

SRO-Pune I

Industry Category

Orange

Industry Type

O21 Building and construction project
more than 20,000 sq. m built up area

Last Environmental statement submitted online

no

Consent Number

Format1.0BO/JD(WPC)/UAN-077627/CE/CC-2001000680

Consent Issue Date

08/01/2020

Consent Valid Upto

08/01/2025

Product Information

Product Name

NA

Consent Quantity

-

Actual Quantity

-

UOM

CMD

By-product Information

By Product Name

NA

Consent Quantity

-

Actual Quantity

-

UOM

CMD

1) Water Consumption in m3/day

Water Consumption for Process

Consent Quantity in m3/day

NA

Actual Quantity in m3/day

NA

Cooling

NA

NA

Domestic

327

158

All others

NA

NA

Total

327

158

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Domestic Effluent	295	142	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	-	-	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	-	-	CMD

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
--NA--	-	-	CMD

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
Domestic Effluent	75	pH - 7.2 BOD- 8.9 mg/l COD - 44 mg/l	-	pH - 6.5 to 9 BOD - 10 mg/l COD -50 mg/l	-

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
DG set (1 X 200 Kva)	-	-	-	-	-

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	-	-	Ltr/A

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	30	30	Ltr/A

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Total Solid Waste	396	527	Kg/Day

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	-	-	Kg/Day

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	-	-	CMD

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	30	Ltr/A	NA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Wet waste	316	Kg/Day	60 % of total waste treated in OWC
Dry Waste	211	Kg/Day	40% of total waste Handed over to local recycler for recycling

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)
STP	60	-	-	-	54	-
OWC	-	-	-	-	24.51	-
RWH	-	-	-	-	1.1	-
Green Belt Development	-	-	-	-	8.93	-

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	Prevent air pollution within construction site	0.14
Environment Monitoring	To monitor the environmental parameters.	2.5
Site sanitation & Safety	Provide workers Hygienic & safe environment to work.	2.93
Disinfection	Maintain hygiene of work place.	0.32
Health Check up	To check health of worker on site.	0.6
STP	To treat Domestic effluent and reuse for flushing and Gardening.	17.28
Rain water Harvesting	Collect the rain water within the rooftop for recharging Ground water level.	0.05
Solid waste Management	To treat wet waste in OWC and use as Manure.	1.76
Green Belt Development	To control air pollution and provide acoustic cover to area.	0.12

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
---	-----------------------------------	----------------------------

Water for dust suppression	Prevent air pollution within construction site	0.14
Environment Monitoring	To monitor the environmental parameters.	2.5
Site sanitation & Safety	Provide workers Hygienic & safe environment to work.	3.24
Disinfection	Maintain hygiene of work place.	0.32
Health Check up	To check health of worker on site.	0.6
STP	To treat Domestic effluent and reuse for flushing and Gardening.	17.28
Rain water Harvesting	Collect the rain water within the rooftop for recharging Ground water level	0.05
Solid waste Management	To treat wet waste in OWC and use as Manure.	1.76
Green Belt Development	To control air pollution and provide acoustic cover to area.	0.12

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

Particulars

NA

Name & Designation

Mr. Samir Patil