

Ref: No. MIAL-ENV-F27-05

30th May 2026

To,
Principal Secretary,
Government of Maharashtra,
Environment department,
Room no. 217, 2nd Floor, Mantralaya Annex,
Mumbai - 400032.

Dear Sir,

Subject: Half yearly Environmental Compliance report of Amendment in Environmental Clearance for Non-Operational Area (Landside) Development of Chhatrapati Shivaji Maharaj International Airport by Mumbai International Airport Limited

Ref: - Environment clearance no. SIA/MH/INFRA2/500973/2024 dated 15/10/2024, by SEIAA, GoM & File no. SIA/MH/INFRA2/500973/2024 dated 08th October 2025, from MoEFF&CC.

With reference to the above, please find enclosed herewith the compliance Report of EC conditions for the period from October 25 to March 26.

Kindly acknowledge the receipt of the EC compliance report.

Thanking you. 34

Yours faithfully,

For Mumbai International Airport Limited

Head - Environment & Sustainability

Encl: Half yearly Environmental Compliance report and annexure.

CC: 1) Additional PCCF- Ministry of Environment, Forest & Climate Change, Regional office - Nagpur
2) Zonal officer- Central Pollution Control Board, Vadodara
3) Regional officer - Maharashtra Pollution Control Board, Sion (E)

Mumbai International Airport Limited

Chhatrapati Shivaji Maharaj International Airport
1st Floor, Terminal 1B, Santacruz (E),
Mumbai 400 099,
Maharashtra, India
CIN: U45200MH2006PLC160164

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Environmental Clearance Six Monthly Compliance Report

Chhatrapati Shivaji Maharaj International
Airport (CSMIA)

of

Mumbai International Airport Limited
Terminal 1, Santacruz (East), Mumbai -400099

For

Period of October- 2025 to March 2026

SIX MONTHLY COMPLIANCE REPORT

(01.09.2025 to 31.03.2026)

**Present Status of Compliance to Conditions stipulated in EC no
SIA/MH/INFRA2/500973/2024 dated: 15th October 2025.**

Amendment in EC was obtained vide File No. SIA/MH/INFRA2/500973/2024 dated 15.10.2025 for Non-Operational Area (Landside) Development for amendment in T2 Forecourt Building (T2-C05), with revised plot area 66,686 sqm, Built-up area 4,33,194.16 sqm, Height 40.05 m, along with its support utilities and facilities.

Compliance status of the conditions stipulated in EC letter is as below:

| S.N. | Conditions | Compliance Status |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Specific Conditions | | |
| 1.1 | PP shall obtain IOD / IOA / Concession Document / Plan Approval or any other applicable approvals confirming conformity with local planning rules and RG area as per Hon'ble Supreme Court orders. | Agreed to Comply |
| 1.2 | PP shall submit an undertaking signed by PP, Consultant, and Architect certifying no violation of EIA Notification, 2006 (as amended). | Agreed to Comply |
| 1.3 | PP shall submit copies of CFO NOC, Water NOC, Sewer Connection NOC, Solid Waste Management NOC, and Storm Water Drain NOC. | Complied (CFO NOC, Sewer NOC, Solid Waste Management NOC, Storm Water Drain NOC, enclosed as Annexure 1 -Copy of NOC |
| 1.4 | PP shall use OWC for onsite treatment of biodegradable waste; manure to be used in plantation. | Agreed to Comply |
| 1.5 | PP shall implement recommendations of Heat Island and Carbon Footprint study. | Agreed to Comply |
| 1.6 | PP shall provide online air quality monitoring system with digital display board on 24×7 basis; cost to be included in EMP. | Complied. Online air quality monitoring system with digital display installed (TRACE-Engineering / AQM/ LOGGER) |

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| | | Annexture-2- Photographs of Online air quality monitoring |
| 1.7 | PP shall provide dust mitigation measures as suggested by MCGM / MPCB / CPCB, including foggers. | Being complied Annexture -3-Dust mitigation measures |
| 1.8 | PP shall complete tree plantation within the site during construction phase. | Agreed to Comply |
| 1.9 | PP shall dispose of all e-waste as per E-Waste Management Rules, 2016 & amendments. | Agreed to Comply |
| | B- SEIAA Conditions | |
| 1 | PP has provided mandatory RG area of 33.78 ha on mother earth without any construction. Local planning authority to ensure the compliance of the same. | Agreed to Comply Green area will be developed as per local planning authority approval. |
| 2 | Occupation certificate shall be issued only after availability of sustainable water supply. Local planning authority to ensure the same. | Agreed to Comply |
| 3 | The planning authority shall not issue the commencement certificate unless PP obtains all NOCs. | Agreed to Comply |
| 4 | PP to keep open space unpaved so as to ensure permeability of water. However, whenever paving is deemed necessary, PP to provide grass pavers of suitable types & strength to increase the water permeable area as well as to allow effective fire tender movement. | Agreed to Comply |
| 5 | PP to achieve at least 5% of total energy requirement from solar/other renewable sources. | Agreed to Comply |
| 6 | In view of Maharashtra Electric Vehicle Policy, 2025, PP to provide electric vehicle D.C. charger for 20% of total parking | Agreed to Comply |

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| | provided. The number of D.C. chargers should be worked out as provided in Niti Aayog Handbook of EV charging infrastructure implementation. | |
| 7 | PP shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF & CC vide F.No. 22-34/2018-IA III dated 04.01.2019. | Agreed to Comply |
| 8 | SEIAA after deliberation decided to grant EC for FSI 296370.25 m ² , Non-FSI 1,36,824.31 m ² , total BUA 4,33,194.16 m ² . (Plan approval No. MMRDA-TCP(P-2)/MIAL/CC/3.48/II/860/2024 dated 18.10.2024) (Restricted as per approval). | Noted |
| General Conditions | | |
| | a)- Construction Phase | |
| I | The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material. | Agreed to Comply |
| II | Disposal of muck, Construction spoils, including bituminous material during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in the approved sites with the approval of competent authority. | Agreed to Comply |
| III | Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board. | Agreed to Comply |

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| IV | Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured. | Being complied The said compliance conditions is compiled and the drinking water & sanitary facilities provided to the site workers. Annexture- 4- Adequate drinking water and sanitary facilities |
| V | Arrangement shall be made that waste water and storm water do not get mixed. | Agreed to Comply |
| VI | Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices. | Agreed to Comply |
| VII | The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority. | Not Applicable |
| VIII | Permission to draw ground water for construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project. | Not Applicable |
| 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. | Agreed to Comply |
| X | The Energy Conservation Building code shall be strictly adhered to. | Agreed to Comply |
| XI | All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site. | Agreed to Comply |

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| XII | Additional soil for levelling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved. | Agreed to Comply |
| XIII | Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants. | Agreed to Comply |
| XIV | PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance. | Agreed to Comply |
| XV | The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards. | Agreed to Comply |
| XVI | Vehicles hired for transportation of Raw material shall strictly comply the emission norms prescribed by Ministry of Road Transport & Highways Department. The vehicle shall be adequately covered to avoid spillage/leakages. | Agreed to Comply |
| XVII | Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so | Agreed to Comply |

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| | as to conform to the stipulated standards by CPCB/MPCB. | |
| XVIII | Diesel power generating sets proposed as source of backup power for elevators and common area illumination during construction phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel is preferred. The location of the DG sets may be decided within consultation with Maharashtra Pollution Control Board. | Agreed to Comply |
| XIX | Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings by a separate environment cell /designated person. | Agreed to comply |
| B) | Operation Phase | |
| I | a) The solid waste generated should be properly collected and segregated. b) Wet waste should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. c) Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material. | Agreed to Comply |

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| II | E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016. | Agreed to Comply |
| III | a) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP. b) PP to give 100 % treatment to sewage /Liquid waste and explore the possibility to recycle at least 50 % of water, Local authority should ensure this. | Agreed to Comply |
| IV | Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement. | Agreed to Comply |

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| V | The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms. | Agreed to Comply |
| VI | Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized, and no public space should be utilized. | Agreed to Comply |
| VII | PP to provide adequate electric charging points for electric vehicles (EVs). | Agreed to Comply |
| VIII | Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept. | Agreed to Comply Green area will be developed as per local planning authority approval. |
| IX | A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards. | Agreed to Comply |
| X | Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. This cost shall be included as part of the project cost. The funds earmarked for environment protection measures shall not be diverted for other purposes. | Agreed to Comply |

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| XI | The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at parivesh.nic.in | Complied. The EC related information was circulated through 2 local newspapers in the region around the project. Annexture -5- News paper information |
| XII | A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent. | Complied. A copy of the clearance letter has been sent to the concerned authorities, copies attached as Annexure-6 EC copies are available on Company's website. https://csmia.adaniairports.com/all-reports.aspx/Environment Compliance reports. |
| XIII | The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels are 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. | Agreed to Comply |
| C) | General EC Conditions | |

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| I | PP has to strictly abide by the conditions stipulated by SEAC& SEIAA. | Agreed to Comply. |
| II | If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site. | Complied Component has been covered under existing "Consent to Establish" dated 21/09/2022, valid till 20/09/2027. Copy of the same is attached as Annexure 7 . |
| III | Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance. | Agreed to Comply. |
| IV | The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. | Agreed to Comply. |
| V | The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail. | Agreed to Comply. |

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| VI | No further Expansion or modifications, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted to SEIAA for clearance, a fresh reference shall be made to the SEIAA as applicable to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any. | Agreed to comply |
| VII | This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environmental clearance does not necessarily implies that Forestry & Wildlife clearance granted to the project which will be considered separately on merit. | Not applicable |

INDEX OF ATTACHMENTS

| ANNEXURES | PARTICULARS |
|--------------------|----------------------------------------------------------------|
| Annexure- 1 | Copies of various NOCs |
| Annexure- 2 | Photographs of Online air quality monitoring |
| Annexure- 3 | Dust mitigation measures |
| Annexure- 4 | Photographs of adequate drinking water and sanitary facilities |
| Annexure- 5 | Newspaper information |
| Annexure- 6 | Copy of EC letter submitted to concerned authorities |
| Annexure- 7 | Consent to establish dated 21/09/2022 |

BRIHANMUMBAI MUNICIPAL CORPORATION
MUMBAI FIRE BRIGADE

SUB: Provisional Fire Safety Approval/Clearance stipulating fire protection and firefighting requirements for the Proposed Hotel cum Commercial Building on Plot No. T-2 C05 i.e. CTS No. 145 A(Part) of Village Sahar, and CTS No. 1405(Part) of village Marol, Mumbai – 400099.

REF: Online File No. **P-22567/2024/(145A(Part) and 1405(Part))/K/E Ward/SAHAR/MMRDA-CFO/1/New** submitted by Architect Devyani S. Khadilkar of M/s. Spaceage Consultants.

Name of the Owner,

M/s. Mumbai International Airport Ltd.

This is a proposal for the proposed construction of a total of 09nos. buildings i.e. High Rise Hotel buildings i.e. Block H1, H2 & H3 & High Rise Commercial buildings i.e. Block A, B, C, D., and Low Rise Commercial buildings i.e. Block E & F. **Block 'A' to 'F'** having 03 levels common basements + common ground floor + common 1st floor and thereafter **Block 'A', 'B' 'C' & 'D'** are having 2nd floor + 3rd floor + 4th to 7th upper floors. **Block 'E' & 'F'** having 2nd to 4th upper floor. **Block 'H1'** having 03 levels of common basements + ground floor + 1st to 10th upper floors with **Block 'H2'** having 03 levels of common basements + ground floor + 1st to 9th upper floors. **Block 'H3'** having 03 levels of common basements + ground floor + 1st to 10th upper floors. A&B Block 37.8m, C&D 38.4M. H1 40.05M, H2 39.0M & H3 38.8M, measured from general ground level up to terrace level.

Basements:

Each block having 3 levels of basements. Basements for all buildings will be used for car parking accessible by ramps having (5.5m-6m wide) width as shown on plans. Also, basements will be used for services & etc. Each basement is mechanically ventilated as shown in the plan.

FLOOR-WISE USERS OF THE BUILDING ARE AS UNDER:

| Floors | Users | | | |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|
| | Block A | Block B | Block C | Block D |
| Common Basement 3 (-12.25 m.) | Surface car parking accessible by 6.00 mtrs wide ramp + Fan rooms + electrical panel room, Metro area, etc. | | | |
| Common Basement 2 (-9.15 m.) | Puzzle, Tandem, Surface & Stack car parking accessible by 6.00 6M mtrs wide ramp + LV panel room + water tanks + Fan room, battery room, F&B Stores, Metro area, etc. | | | |
| Common Basement 1 (-5.05 m) | Puzzle, Tandem, Surface & Stack car parking accessible by 5.5mtrs wide ramp + Waste management room + mep area + Cafeteria + Toilets + Laundry + Store + Substation + Panel room + Chiller room + Retail/Dept. store + F&B/Restaurants + Water tanks + Pump room + Food store + Airport facility + Admin area + | | | |

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|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| | Kitchen (without flame) + Metro area, etc. | | | |
| Common Ground floor | All-day dining + Restaurants + Kitchen + Reception + Conference halls + Banquet/Exhibition halls + Green rooms + 02 Nos. of Exhibition halls + AHU + Retail/Dept. stores + F&B/Restaurants + Stores + Lobby + Toilet Blocks + Metro area, etc. | | | |
| Common 1 st floor | Ballroom + Pre-function area + Toilets + Kitchens + Wedding studio + Conference hall + Meeting room + Pantry + Board room + Offices + AHU + Executive lounge + swimming pool + Business centre + Aquarium Exhibit hall + mep + Retail/Dept. store + F&B/Restaurants, etc. | | | |
| | Block A | Block B | Block C | Block D |
| 2 nd floor | 04 Nos. of Offices + 04 Nos. of AHU + part terrace + toilet blocks | Aquarium Exhibit Hall + Aquarium MEP | Entertainment Concept, + 03 Nos. of F&B + 04 Nos. of AHU + toilet blocks | 02 Nos. of F&B + 03 Nos. of Pavilion + pre-function + toilet blocks |
| 3 rd floor | 04 Nos. of Offices + 04 Nos. of AHU + part terrace + toilet blocks | 04 Nos. of Offices + 04 Nos. of AHU + part terrace + toilet blocks | Entertainment Concept, + 04 Nos. of AHU + toilet blocks | Bulk prep & Wash area + cold Store + Bakery + voids |
| 4 th floor | 04 Nos. of Offices + 04 Nos. of AHU + part terrace + toilet blocks | 04 Nos. of Offices + 04 Nos. of AHU + part terrace + toilet blocks | 04 Nos. of Offices + 04 Nos. of AHU + part terrace + toilet blocks | 02 Nos. of Offices + 02 Nos. of AHU + part terrace + toilet blocks |
| 5 th floor | 04 Nos. of Offices + 04 Nos. of AHU + toilet blocks + refuge area | 04 Nos. of Offices + 04 Nos. of AHU + part terrace + toilet blocks + refuge area | 04 Nos. of Offices + 04 Nos. of AHU + toilet blocks + refuge area | 02 Nos. of Offices + 02 Nos. of AHU + part terrace + toilet blocks + refuge area |
| 6 th floor | 04 Nos. of Offices + 04 Nos. of AHU + toilet blocks + refuge area | 04 Nos. of Offices + 04 Nos. of AHU + toilet blocks + refuge area | 04 Nos. of Offices + 04 Nos. of AHU + toilet blocks | 02 Nos. of Offices + 02 Nos. of AHU + part terrace + toilet blocks |
| 7 th floor | 04 Nos. of Offices + 04 Nos. of AHU + toilet blocks + refuge area | 04 Nos. of Offices + 04 Nos. of AHU + toilet blocks + refuge area | 04 Nos. of Offices + 04 Nos. of AHU + toilet blocks | 02 Nos. of Offices + 02 Nos. of AHU + part terrace + toilet blocks |
| Terrace floor | Open to sky (to be treated as refuge area) | Open to sky (to be treated as refuge area) | Open to sky (to be treated as refuge area) | Open to sky (to be treated as refuge area) |

| Floors | Users | |
|--------|---------|---------|
| | Block E | Block F |

| | | |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Common Basement 3 (-12.03 m.) | Surface car parking accessible by 6.00 mtrs wide ramp + Fan rooms + electrical panel room, Metro area, etc. | |
| Common Basement 2 (-8.95 m.) | Puzzle, Tandem, Surface & Stack car parking accessible by 6m wide ramp+ LV panel room + Fan room, battery room, F&B services, Metro area, etc. | |
| Common Basement 1 (-4.85 m) | Puzzle, Tandem, Surface & Stack car parking accessible by 5.5m mtrs wide ramp + Waste management room + mep area + Cafeteria + Toilets + Laundry + Store + Substation + Panel room + Chiller room + Retail/Dept. store + F&B/Restaurants + Water tanks + Pump room + Food store + Airport facility + Admin area + Kitchen (without flame) + Metro area, etc. | |
| Common Ground floor | All day dining + Restaurants + Kitchen + Reception + Conference halls + Banquet/Exhibition halls + Green rooms + 02 Nos. of Exhibition halls + AHU + Retail/Dept. stores + F&B/Restaurants + Stores + Lobby + Toilet Blocks + Metro area, etc. | |
| Common 1 st floor | Ballroom + Pre-function area + Toilets + Kitchens + Wedding studio + Conference hall + Meeting room + Pantry + Board room + Offices + AHU + Executive lounge + swimming pool + Business center + Aquarium Exhibit hall + mep + Retail/Dept. store + F&B/Restaurants, etc. | |
| | Block E | Block F |
| 2 nd floor | VR & FEC + Rainforest café + AHU + Store, Toilet blocks | Cinema Theaters + management office + Toilets blocks + BOH + staff rooms + cinema ticket booking |
| 3 rd floor | VR & FEC + Rainforest café + AHU + Store, Toilet blocks + F&B + terrace | Cinema Theaters + Biome Lobby + F & B + Toilets blocks + void + terrace. |
| 4 th floor | VR & FEC + F & B + AHU + Store, Toilet blocks + VR + FEC terrace | AHU + F&B + Toilets blocks + void + F&B setting |
| Terrace floor | Open to sky (to be treated as refuge area) + OHT + landscapes | Open to sky (to be treated as refuge area) + OHT + landscapes |

| Floors | Users | | |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|
| | Block H1 | Block H2 | Block H3 |
| Common Basement 3 (-12.03 m.) | Surface car parking accessible by 6.00 mtrs wide two way ramp + Fan rooms + electrical panel room, Metro area, etc. | | |
| Common Basement 2 (-8.95 m.) | Puzzle, Tandem, Surface & Stack car parking accessible by 6.00 mtrs wide ramp + LV panel room + water tanks + Fan room, battery room, F&B services, Metro area, etc. | | |
| Common Basement 1 (-4.85 m) | Puzzle, Tandem, Surface & Stack car parking accessible by 5.5 mtrs wide ramp + Waste management room + mep area + Cafeteria + Toilets + Laundry + Store + Substation + Panel room + Chiller room + Water tanks + Pump room + Food store + Admin area + Metro area, etc. | | |

| | | | |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Common Ground floor | All day dining + Restaurants + Kitchen + Reception + Conference halls + Green rooms + 02 Nos. of Exhibition halls + AHU + Retail + F&B/Restaurants + Stores + Lobby + Toilet Blocks + Metro area, etc. | | |
| Common 1 st floor | Ballroom + Pre-function area + Toilets + Kitchens + Wedding studio + Conference hall + Meeting room + Pantry + Board room + Offices + AHU + Executive lounge + swimming pool + Business center + mep. | | |
| | Block H1 | Block H2 | Block H3 |
| 2 nd floor | Service area | 18 Nos. of Hotel rooms + Toilet, Executive Lounge + SPA + Health club + buffet area + pantry + IT. room + elec. Room + H.K room | Service area |
| 3 rd floor | 44 Nos. of Hotel rooms + Toilet, Fitness center + Executive Lounge + IT. room + elec. Room + H.K room | 45 Nos. of Hotel rooms + IT. room + elec. Room + H.K room | 27 Nos. of Hotel rooms + Toilet + IT. room + elec. Room + H.K room |
| 4 th floor | 54 Nos. of Hotel rooms + IT. room + elec. Room + H.K room | 45 Nos. of Hotel rooms + IT. room + elec. Room + H.K room | 27 Nos. of Hotel rooms + IT. room + elec. Room + H.K room |
| 5 th floor | 54 Nos. of Hotel rooms + IT. room + elec. Room + H.K room | 45 Nos. of Hotel rooms + IT. room + elec. Room + H.K room | 26 Nos. of Hotel rooms + IT. room + elec. Room + H.K room |
| 6 th floor | 44 Nos. of Hotel rooms + IT. room + elec. Room + H.K room + Refuge area | 28 Nos. of Hotel rooms + IT. room + elec. Room + H.K room + Refuge area | 60 Nos. of Hotel rooms + IT. room + elec. Room + H.K room |
| 7 th floor | 54 Nos. of Hotel rooms + IT. room + elec. Room + H.K room | 45 Nos. of Hotel rooms + IT. room + elec. Room + H.K room | 48 Nos. of Hotel rooms + IT. room + elec. Room + H.K room + Refuge area |
| 8 th floor | 51 Nos. of Hotel rooms + IT. room + elec. Room + H.K room | Service area | Hotel rooms, Toilet |
| 9 th floor | Service area + Technical area | Specialty restaurant + kitchen + restaurant + Bar + pool pantry + storage + Toilet blocks + Swimming pool + club with kitchen + | 61 Nos. of Hotel rooms + IT. room + elec. Room + H.K room |

| | | | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------|
| | | viewer terrace + IT. room + elec. Room + H.K room. | |
| 10 th floor | Specialty restaurant + Specialty kitchen + restaurant + Bar + pool pantry + storage + Toilet blocks + Swimming pool + outdoor pool deck + IT. room + elec. Room + H.K room. | ———— | 61 Nos. of Hotel rooms + IT. room + elec. Room + H.K room |
| Terrace floor/ Roof area | Open to sky | Open to sky + hot water system + OHT + MEP/ plant | Open to sky (to be treated as refuge area) + hot water system + OHT |

THE DETAILS OF STAIRCASE AND LIFTS:

| Staircase description | Width of staircase | Nos. of staircase | Type |
|----------------------------------------------------------------------------------|--------------------|-------------------|----------|
| Block A Leading from 3 rd basement to terrace floor | 2.60 mtrs. | 02 Nos. | Enclosed |
| Block B Leading from 3 rd basement to terrace floor | 2.35 mtrs. | 02 Nos. | Enclosed |
| Block C Leading from 3 rd basement to terrace floor | 2.25 mtrs. | 03 Nos. | Enclosed |
| Block D Leading from 3 rd basement to terrace floor | 2.10 mtrs. | 01 No. | Enclosed |
| Block D Leading from Ground to terrace floor | 2.10 mtrs. | 01 No. | Enclosed |
| Block E Leading from 3 rd basement to terrace floor | 2.10 mtrs. | 04 Nos. | Enclosed |
| Block E Leading from 3 rd basement to 4 th floor | 2.10 mtrs. | 01 No. | Enclosed |
| Block F Leading from 3 rd basement to terrace floor | 2.10 mtrs. | 03 Nos. | Enclosed |
| Block F Leading from ground to terrace floor | 2.10 mtrs. | 01 No. | Enclosed |
| Block F Leading from 3 rd basement to 4 th floor | 2.10 mtrs. | 01 No. | Enclosed |
| Block H1 Leading from 3 rd basement to terrace floor | 2.10 mtrs. | 03 Nos. | Enclosed |
| Block H1 Leading from 3 rd basement to terrace floor | 1.60 mtrs. | 03 No. | Enclosed |
| Block H1 Leading from 3 rd basement to ground floor | 1.60 mtrs. | 03 No. | Enclosed |
| Block H2 Leading from 3 rd basement to terrace floor | 2.10 mtrs. | 03 Nos. | Enclosed |
| Block H2 | 1.60 mtrs. | 03 No. | Enclosed |

| | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------|--------|
| Leading from 3 rd basement to terrace floor | | | |
| Block H2 Leading from 3 rd basement to ground floor | | 1.60 mtrs. | 03 No. |
| Block H3 Leading from 3 rd basement to terrace floor | | 2.10 mtrs. | 01 No. |
| Block H3 Leading from 3 rd basement to terrace floor | | 1.60 mtrs. | 03 No. |
| Block H3 Leading from L6 to terrace floor | | 1.60 mts | 01 no. |
| The proposed staircases are internally located & pressurized. Staircase leading to basement having smoke check lobby at each basement level and staircase leading from basement is staggered at ground floor and then diverted to upper floor. The staircase & common lobby at each basement level shall be pressurized and separated from the rest of the areas, by a smoke-actuated fire resisting door of two hours' fire resistance, as shown on the plan. | | | |
| Lifts Type | Profile | Nos. of lifts | |
| Block A | | | |
| Service lift | Leading from 3 rd basement to 7 th floor level | 02 Nos. | |
| Passenger lift | Leading from 3 rd basement to ground floor | 02 Nos. | |
| Passenger lift | Leading from ground floor to 7 th floor level | 06 Nos. | |
| Block B | | | |
| Service lift | Leading from 3 rd basement to 7 th floor level | 02 Nos. | |
| Passenger lift | Leading from 3 rd basement to ground floor | 02 Nos. | |
| Passenger lift | Leading from ground floor to 7 th floor level | 04 Nos. | |
| Passenger lift | Leading from 1 st basement to ground floor. | 02 Nos. | |
| Passenger lift | Leading from 1 st basement to 2 nd floor. | 02 Nos. | |
| Block C | | | |
| Service lift | Leading from 3 rd basement to 7 th floor level | 02 Nos. | |
| Passenger lift | Leading from 3 rd basement to 1 st floor level | 02 Nos. | |
| Passenger lift | Leading from 1 st floor to 7 th floor level | 05 Nos. | |
| Block D | | | |
| Service lift | Leading from 3 rd basement to 7 th floor level | 02 Nos. | |
| Passenger lift | Leading from 3 rd basement to 2nd floor level 1ST LVL | 02 Nos. | |
| Passenger lift | Leading from 1 st floor to 7 th floor level | 04 Nos. | |
| Block E | | | |
| Service lift | Leading from 2 nd basement to terrace level | 02 Nos. | |
| Passenger lift | Leading from 1 st basement to terrace level | 04 Nos. | |
| Block F | | | |
| Service lift | Leading from 2 nd basement to terrace level | 02 Nos. | |
| Passenger lift | Leading from 1 st basement to terrace level | 04 Nos. | |
| Service lift | Leading from 2 nd basement to 4 th floor level | 02 Nos. | |
| Block H1 | | | |
| Passenger/ | Leading from 3 rd basement to terrace level | 10 Nos. | |

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------|
| Service lift | | |
| Passenger lift | Leading from ground floor to 1 st floor | 03 Nos. |
| Passenger lift | Leading from 3 rd basement to ground floor | 02 Nos. |
| Passenger lift | Leading from 3 rd basement to ground floor | 05 Nos. |
| Passenger lift | Leading from 3 rd basement to ground floor | 01 No. |
| Block H2 | | |
| Passenger/ Service lift | Leading from 3 rd basement to terrace level | 05 Nos. |
| Passenger/ Service lift | Leading from ground floor to 1 st floor | 05 Nos. |
| Passenger lift | Leading from 3 rd basement to ground floor | 02 Nos. |
| Passenger | Leading from ground floor to 1 st floor | 01 No. |
| Passenger | Leading from 3 rd basement to ground floor | 02 Nos. |
| Block H3 | | |
| Passenger lift | Leading from 3 rd basement to terrace level | 02 Nos. |
| Service lift | Leading from 1 st basement to terrace level | 03 Nos. |
| Passenger lift | Leading from ground floor to terrace level | 05 Nos. |
| Passenger lift | Leading from 3 rd basement to ground floor | 02 Nos. |
| One of the lift from lift bank shall be converted into fire lift as per norms. The lift lobby & common corridor at each floor level is pressurized at each floor level as shown on the plan. | | |

The site abuts on four nos. of road i.e. 27.50 mtrs. wide Sahara Airport Road on North side, 12.00 mtrs. wide Road on South side, 27.45 mtrs. wide Road on East side & 27.45 mtrs. wide Road on West side, as shown on the plans.

OPEN SPACES ALL AROUND THE BUILDING AS UNDER;

BLOCK A

| Sides | From Building line to Plot boundary at ground floor |
|--------------|------------------------------------------------------------|
| North | 9.31 mtrs from plot boundar |
| South | 11.94 mtrs. from block E |
| East | 24.19 mtrs. from block B |
| West | 10.17 mtrs. from block H1 |

BLOCK B

| Sides | From Building line to Plot boundary at ground floor |
|--------------|------------------------------------------------------------|
| North | 7.71 mtrs. from plot boundary |
| South | 11.67 mtrs. from block F |

| | |
|-------------|---------------------------|
| East | 10.16 mtrs. from block H2 |
| West | 24.19 mtrs. from block A |

BLOCK C

| | |
|--------------|------------------------------------------------------------|
| Sides | From Building line to Plot boundary at ground floor |
| North | 13.06 mtrs from block E |
| South | 16.02 mtrs. from plot boundary . |
| East | 24.00 mtrs. from block D |
| West | 10.57 mtrs. from block H1 |

BLOCK D

| | |
|--------------|------------------------------------------------------------|
| Sides | From Building line to Plot boundary at ground floor |
| North | 13.11mtrs. from block F |
| South | 16.25 mtrs. from plot boundary. |
| East | 20.38 mtrs. from block H3 |
| West | 24.00 mtrs. from block C |

BLOCK E

| | |
|--------------|------------------------------------------------------------|
| Sides | From Building line to Plot boundary at ground floor |
| North | 11.94 mtrs. from block A |
| South | 13.06 mtrs. from block C |
| East | 30.00 mtrs. from block F |
| West | 25.35 mtrs. from block H1 |

BLOCK F

| | |
|--------------|------------------------------------------------------------|
| Sides | From Building line to Plot boundary at ground floor |
| North | 11.67 mtrs. from block B |
| South | 13.11 mtrs. from block D |
| East | 9.15 mtrs. from block H2 |
| West | 30.00 mtrs. from block E |

BLOCK H1

| | |
|--------------|------------------------------------------------------------|
| Sides | From Building line to Plot boundary at ground floor |
| North | 28.11 mtrs.from plot boundary |
| South | 21.26 mtrs. from plot boundary. |
| East | 10.17 mtrs. from block A |
| West | 14.26 mtrs.from plot boundary |

BLOCK H2

| Sides | From Building line to Plot boundary at ground floor |
|--------------|------------------------------------------------------------|
| North | 11.75 mtrs from plot boundary |
| South | 12.13 mtrs. from block H3 |
| East | 15.61 mtrs. from plot boundary |
| West | 10.16 mtrs. from block B |

BLOCK H3

| Sides | From Building line to Plot boundary at ground floor |
|--------------|------------------------------------------------------------|
| North | 12.13 mtrs. from block H2 |
| South | 20.46 mtrs. from plot boundary. |
| East | 17.48 mtrs. from plot boundary. |
| West | 20.38 mtrs. from block D |

REFUGE AREAS:

| Refuge floor | Blocks | Required Refuge area in Sq. Mtrs. | Proposed Refuge area in Sq. Mtrs. | At the height in Mtrs. |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------|------------------------------------------|-------------------------------|
| 5 th floor | Block A | 340.21 sq. mtrs. | 349.41 sq. mtrs. | 26.18 |
| | Block B | 283.32 sq. mtrs. | 297.27 sq. mtrs. | 26.18 |
| | Block C | 455.84 sq. mtrs. | 482.77 sq. mtrs. | 26.78 |
| | Block D | 177.33 sq. mtrs. | 233.22 sq. mtrs. | 26.78 |
| 6 th floor | Block H1 | 379.20 sq. mtrs. | 445.72 sq. mtrs. | 24.70 |
| | Block H2 | 195.15 sq. mtrs. | 210.90 sq. mtrs. | 27.10 |
| 7 th floor | Block H3 | 405.08 sq. mtrs. | 405.30 sq. mtrs. | 26.10 |
| In addition, above, terrace of each wing will be treated as Refuge area. Excess Refuge area shall be counted in F.S.I., as per DCPR 2034. | | | | |

The height of the building i.e. Block E & F is less than 32.00 mtrs., Hence, terrace of the Block E & F will be treated as refuge area.

This proposal has been considered favorably by taking into consideration the following:

1. The Site abuts on four nos. of road i.e. 27.50 mtrs. wide Sahara Airport Road on North side, 12.00 mtrs. wide Road on South side, 27.45 mtrs. wide Road on East side & 27.45 mtrs. wide Road on West side.
2. Architect has provided refuge area facing road side from where specialized appliances from this department can be operated.
3. Automatic sprinkler system shall be provided in entire building including provided in each room at each floor , lift lobby & common corridor at each floor level, each banquet, each exhibition hall, each halls, store room, each retail BOH, service area, Spa, health club, each retail, each lounge area, fitness center, each F&B/restaurant, cafeteria, waste management room, wedding studio, conference hall, board room, admin area, airport facility, club, each

store room, and each basement covering each car parking of the building as per IS specifications.

4. Automatic smoke detection system shall be provided in each room & office at each floor, each electric meter room, Pump room, fitness center, each panel room, fire control room, each lift machine room, each banquet, each retail, each lounge area, fitness center, each restaurant, each store room, BOH, service area, cafeteria, laundry, food store, Spa, health club, each retail, each lounge area, fitness center, each F&B/restaurant, wedding studio, conference hall, board room, admin area, airport facility, club, each basement and lift lobby & common corridor at each floor level of the building as per IS specifications with main console panel at ground floor level.
5. All passive and active firefighting and fire prevention measures are recommended for the said high rise residential building.
6. The entire building electrical system provided with BUSBAR facilities.
7. During construction stage and prior to final occupation party shall comply with additional requirements stipulated by Mumbai Fire Brigade Officer if any in future.

In view of the above, as far as this department is concerned, the approval issued stipulates fire-protection & fire-fighting safety requirements for the proposed construction of a total 09nos. of buildings i.e. High Rise Hotel building i.e. Block H1, H2 & H3 & High Rise Commercial building i.e. Block A, B, C, D., and Low Rise Commercial building i.e. Block E & F. **Block 'A' to 'F'** having 03 levels common basements + common ground floor + common 1st floor and thereafter **Block 'A', 'B' 'C' & 'D'** are having 2nd floor + 3rd floor + 4th to 7th upper floors. **Block 'E' & 'F'** having 2nd to 4th upper floor. **Block 'H1'** having 03 levels common basements + ground floor + 1st to 10th upper floors with **Block 'H2'** having 03 levels common basements + ground floor + 1st to 9th upper floors. **Block 'H3'** having 03 levels common basements + ground floor + 1st to 10th upper floors. A&B Block 37.8m, C&D 38.4M. H1 40.05M, H2 39.0M & H3 38.8M, measured from general ground level up to terrace level as shown on the plans signed in token of approval, subject to satisfactory compliance of the following requirement:

1) ACCESS:

- a) All the access& fire tender access should be free of encumbrances.
- b) Entrance gate if provided shall be of not less than 9.00 meters width each shall be provided, at locations marked on the plan. Archways, if any over the entrance gates, shall have height clearance of not less than 4.50mtrs.

2) RAMPS FOR BASEMENTS:

- i) The Access Ramp as shown in enclosed plan provided entry at the ground level.
- ii) The gradient of ramp shall not be steeper than 1:8 as per regulation 37(16)(Ii) of DCPR-2034.
- iii) Automatic sprinkler system shall be provided in each ramp.

3) COURTYARDS:

- a) The available courtyards on all the sides of the building, including R.G. shall be paved suitably to bear the load of Fire Engine weighing upto 48 Metric tonnes each with a point load of 10 kgs/ sqm.
- b) All the courtyards shall be in one plane.
- c) The courtyards shall be kept free of obstructions all the time.
- d) Parking shall not be permitted in courtyards & Drive ways of Fire appliances.
- e) Court yards shall be kept free from encumbrances & encroachments.
- f) Astro Turf etc. shall not be permitted in the courtyard & top of the podium & Drive way.
- g) No structure of any type shall be permitted in the courtyard of the building.
- h) There shall not be any trees obstructing fire appliances reach in compulsory open spaces, required as per DCR.

4) STAIRCASES: (each block)

- a. The flight width of the staircase shall be maintained as shown in the enclosed plans.
- b. The layout of staircases shall be enclosed type as shown in the plan throughout its height and shall be approached (gained) at each floor level at least two hours fire resistant self-closing door (45 mm. thickness) placed in the enclosed wall of the staircase.
- c. All staircase is mechanically ventilated/pressurized.
- d. No combustible material shall be kept or stored in the staircase/passage and shall be kept unobstructed all time.

The staircase door at terrace level shall be provided in the manner as follows:

- a. The top of portion of the door shall be provided with louvers.
- b. The single latch lock shall be installed from the terrace side at the height of not more than one meter.
- c. The glass front of 6-inch dia. with the breakable glass shall be provided just above the single latch lock, as to open the latch in emergency.

5) PRESSURIZATION SYSTEM FOR STAIRCASE & LIFT LOBBY: (each block)

- a) The pressurization system shaft for lift lobby & Staircase shall be provided.
- b) The pressurization system shall activate on activation of smoke detection system of the building.
- c) Smoke detectors with audible alarm shall be provided in staircase on each floor shall be provided and connected to pressurization system to start automatically on activation of smoke detector.
- d) The pressurization will start automatically on activation of detector provided in Staircase.
- e) The manual operating switches to actuation of pressurization ventilation system shall be located at BMS room on ground floor of the building.
- f) The pressurization in Staircase shall be maintained continuously to avoid the ingress of smoke in lift lobby & Staircase.

- g) The pressurization in staircase shall be maintained above 50mm bar or above atmospheric pressure and shall be more in case of fire emergency.
- h) The staircase pressurization system shall be as per NBC/NFPA Codes or other related specification.

6) CORRIDOR / LIFT LOBBY: (each block)

- a) All Lift Lobby at each floor level shall be mechanically ventilated/ pressurized & All corridors is provided with smoke exhaust as per plan.
- b) The common corridor & lift lobby at each floor level shall be kept free from obstructions at all times.
- c) Proper signage for way to staircase, escape routes, staircase, floor nos. etc. shall be provided at each floor of building.
- d) Emergency light with back up power shall be provided at strategic locations in the staircase and lift lobby.
- e) If the lift shaft and lift lobby are in the core of the building, a positive pressure of not less than 25 mm. and not more than 30 mm. water gauge by an electrically operated bower shall be maintained in the lift lobby and positive pressure of not less than 50 mm. water gauge shall be maintained in the lift shaft. The mechanism for pressuring the lift shaft and lift lobby shall be so installed that they shall operate automatically and also manually when the detector & automatic fire alarm operates. The mechanism shall have facilities to operate manually.

7) STAIRCASE AND CORRIDOR LIGHTINGS: (each block)

- a) The staircase and corridor lighting shall be on separate circuits and shall be independently connected so that they could be operated by one switch installation on the ground floor easily accessible to firefighting 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 supply.
- c) Double throw switches should be installed (if required) to ensure that lighting in the staircase and the corridor do not get connected to two sources of supply simultaneously. A double throw switch shall be installed in the service room to terminate the stand-by-supply (if applicable).
- d) Emergency lights shall be provided in the staircases/corridors.

8) INTERCOMMUNICATING DOORS BETWEEN THE TWO OCCUPANCIES:

Intercommunicating doors between any two occupancies shall be of one hour fire resistance and shall be of self-closing type.

9) ROOM/OFFICE & ALL ENTRANCE DOOR, KITCHEN DOOR & ENTRANCE & EXIT STAIRCASE: (each block)

- a) Room/Office & all entrance door & kitchen shall be of solid core having fire resistance of not less than one hour (Flash door or metal door of equivalent fire resistance).
- b) The fire resistance rating for staircase F.R.D., Lift lobby / protected lobby & the lift doors as per N.B.C. provisions.

- c) Rolling shutters for shops shall be having fire resistance of not less than one hour.
- d) "Form-A" for the F.R.D., issued by Govt. Approved Licensed Agency shall be submitted at the time of obtaining compliance from this department.

10) ELECTRIC CABLE SHAFTS, SERVICES & METER ROOM: (each block)

- a) Electric meter room/cabin/panel shall be provided at location marked on the plan. It shall be adequately ventilated & easily accessible.
- b) Electrical duct/shaft shall be exclusively used for Bus Bars/solid rising mains, however in any case should not open in staircase enclosure.
- c) Inspection door for the duct/shaft shall have two hours fire resistance.
- d) Electrical duct/shafts shall be sealed at each floor level with non-combustible material such as vermiculite concrete. No storage shall be permitted in electric cabin or shaft.
- e) Electric wiring for the entire building shall be having non-toxic, non-flammable characteristics, with low smoke hazard having copper core / fire resistance & with provision of ELCB/MCB.
- f) Low and medium voltage wiring running in false ceiling or anywhere in the building should run in separate conduits.
- g) Water mains, telephone lines, intercom lines, gas pipes or any other services should not be laid in the electric shaft.
- h) Separate circuits for fire-fighting pumps, lifts, staircases and corridor lighting and blowers for pressurizing system (if any) shall be provided directly from the main switch gear panel and these circuits shall be laid in separate conduit pipes so that fuse in one circuit will not affect the others. Such circuits shall be protected at origin by an automatic circuit breaker with its no-volt coil removed.
- i) Automatic smoke detector system shall be provided in each electric shaft on each floor along with response indicator which shall be connected to main console panel board on ground floor level and each floor level.
- j) Master switches controlling essential service circuit shall be clearly labeled & provided in the lobby for emergency operations.

11) IOT BASED DEVICES FOR ELECTRICAL INSTALLATION OF THE BUILDING/SMART METER: (each block)

- a) IOT based micro controller devices shall be provided in the electrical installations of the building as per the requirement stipulated in Circular No. शासन परिपत्रक क्र. मु विवन-2021/प्र. क्र.114/ ऊर्जा-5
- b) The IOT based Micro Controller Devices shall be tested and verified by NABL accredited testing agency/laboratory in accordance with the recognized IS:732-2019 code for practice for Electrical wiring installation.
- c) The complete installation of IOT based Micro controller Devices shall be checked and certified by the Chief Electrical Inspector, Govt. of Maharashtra and certificate to that effect shall be issued at the time of compliance.

- d) The data and the alert generated by IOT based Micro controller Devices shall be monitored by building management system and necessary corrective measures shall be taken by the Owner, Occupier immediately.
- e) The data generated by IOT based Micro controller Devices shall be made available to fire brigade department as and when required to investigate the cause of fire.

12) BASEMENT:

- a) Each basement shall be separately ventilated. Vents with cross, sectional area (Aggregate) not less than 2.5 percent of the floor area spread evenly around the perimeter of the basement shall be provided in the form of grills or breakable stall boards lights or pavement lights or by way of shafts / Alternatively, a system of air inlets shall be provided at basement floor level and smoke outlets at basement ceiling level. Inlets and outlets may be terminated at ground level with stall boards or pavement lights as before but ducts to convey fresh air to the basement floor level shall have to be laid. Stall boards and pavement lights should be in position easily accessible to the fire Brigade personal and rescue teams and clearly marked 'SMOKE OUTLET' or 'AIR INLET' with an indication of area served at or near the opening.
- b) The basements shall be used for designated purpose only as shown in the plan.
- c) The basement shall be provided with mechanical ventilations through the ventilators, open cut outs as shown in the plan.
- d) The staircases of the basement shall be of enclosed type and entry to basement areas shall be through two hours fire resistance self-closing door provided in the enclosed wall of the staircase and through smoke check / cut off lobby. The smoke check/ cut off lobby shall be mechanically pressurized.
- e) Mechanical ventilation shall be provided to the basement with 6 air changes per hour with an arrangement to accelerate the rate of air changes to 12 per hour in the event of a fire emergency.
- f) The ducts of the mechanical ventilations system shall be of substantial metal gauge as per the relevant I.S. standard.
- g) Basement area shall be divided in compartments as per rule.
- h) The operating switches of the mechanical ventilation shall be located in the fire control room with appropriate zonal indications.
- i) Exhaust duct shall be provided to draw out exhaust at ground level of the basement.
- j) Suitable signages shall be provided in the basement showing exit direction, way to exits etc.
- k) Automatic sprinkler system shall be provided in basement area /including ramp & double line sprinkler system shall be provided in stack car parking. These systems shall be installed as per the standard laid down by T.A.C. and relevant I.S. specifications
- l) Smoke off lobby, Staircases, common passages & escape routes of the entire building shall be painted with fire retardant paint.

- m) One Dry Chemical Powder fire extinguisher ABC type of 10 kgs. Capacity each shall be kept for every 100 sq. mtrs. area in each basement.
- n) Staircase and lift lobby shall have illuminated by inverter operated exits signs with IP 54 enclosure. Luminance of the signages shall be such that they are visible from a distance of 12 to 16 meters.
- o) The staircase of the basement & the associated lift lobbies shall be pressurized in the event of fire. The pressure in this enclosed staircase and enclosed lift lobbies shall be maintained not less than 50m.m. W.G. & 25 mm W.G. for lift lobbies.
- p) Each Basement area shall be divided in compartments each of 3000.00 sq. mtrs each (as per N.B.C.) & these compartments shall be segregated by Fire curtains of 2 hrs fire resistance/ water curtain.
- q) CO Detector with audible alarm system shall be provided to all the basement areas and the circuit of the same shall be given / connected to mechanical ventilation system to start automatically on actuation of CO detector and the other detectors provided in the basement.
- r) Ventilation system shall start automatically on actuation of detector provided in the basement area.
- s) Exhaust duct, mechanical ventilation duct should not pass through exit or entry.
- t) The basement beyond building line shall be paved, suitably to bear the load of fire engines weighing upto 58 m. tones each with point load of 10 kgs./sq. cms.
- u) The ventilation and area of ventilation and compartmentation, shall be checked by E.E.(B.P.)

13) FIRE / WATER CURTAIN: (for each basement)

- i) The fire / water curtain provided for entry/exit at basements from one compartment to other and in lift lobby & common corridor at each floor level shall be of four hours fire resistance.
- ii) Fire / water curtain shall operate on activation of Detector/ suppression system or automatically of that particular zone.

14) FALSE CEILING (if provided): (each block)

False ceiling if provided in the building shall be of non-combustible material. Similarly, the suspenders of the false ceiling shall be of no combustible materials.

15) MATERIALS FOR INTERIOR DECORATION/FURNISHING: (each block)

The use of materials which are combustible in nature and may spread toxic fume/gases should not be used for interior decoration/furnishing, etc.

16) LIFTS: (each block)

A. PASSENGER LIFT:

- a. Walls enclosing lift shaft shall have a fire resistance of not less than two hours.
- b. Shafts shall have permanent vent of not less than 0.2 sq. mtrs in clear area immediately under the machine room.

- c. Landing doors and lift car doors of the lifts shall be of steel shuttered with fire Resistance of one hour. No collapsible shutter shall be permitted.
- d. One of the lifts from each lift bank shall be converted into fire lift and shall be as per specifications laid down under the regulations, a toggle switch shall be provided to this lift for the use of Firemen.
- e. Threshold of non-combustible material shall not be provided at the entrance of each landing door.

B. FIRE LIFT:

- a) Walls enclosing lift shafts shall have two hours fire resistance.
- b) The shafts shall have permanent vent equal 0.2 sq.mtr. Clear area under the Lift Machine room.
- c) Landing doors shall be of steel shuttered type with one hour fire resistance. No collapsible shutters shall be provided.
- d) To enable fire services personnel to reach the upper floor with the minimum delay, one fire lift shall be provided and shall be available for the exclusive use of the firemen in an emergency and the directly accessible to every dwelling of each floor.
- e) The lift shall have a floor area of not less than 1.4 sq. mtrs. with a minimum Dimension of 1.12 M. It shall have loaded capacity of not less than 545 k.g. (8persons lift) with automatic closing doors.
- f) There shall be an alternate electric supply of an adequate capacity apart from
- g) the normal electric supply the building and the cables run in a route safe from fire, i.e., within the lift shaft. In case of failure normal electric supply, it shall automatically trip over to alternate supply.
- h) The operation of fire lift should be by a simple toggle or two button switches Situated in glass-fronted box adjacent to the lift at the entrance level. When the switch is on, landing call points will become inoperative and the lift will be on car control only or on priority control device. When the switch is off, the lift will return to normal working.
- i) This lift can be used by the occupants in normal times.
- j) The words 'Fire lift' shall be conspicuously displayed in florescent paint on the Lift landing door at each floor level.
- k) The lift lobbies in the basement shall be enclosed and shall be pressurized with positive air pressure of 30mm W.G.

17) FREIGHT (STRETCHER) LIFT :- one of the lift installed shall be a freight lift. The freight lift will be designed in such a way that it shall serve as stretcher lift also.

18) ESCALATORS:

- a) The escalators shall be constructed of non-combustible materials (exceptions like rollers and handrails shall be permitted with the approvals of the Competent Authority)
- b) Escalators running in the directions of egress shall be permitted to remain operating.

- c) Escalators running reverse to the directions of egress shall be capable of being stopped either locally by a manual stopping device at the escalator or remotely by a manual stopping device at a remote location or remotely as part of a pre-planned evacuation response. A stopped escalator shall be counted as equivalent to 1 M. wide staircase.
- d) Where provision is made for remote stopping of escalator counted as means of egress one of the following shall apply. The stop shall be delayed until it is preceded by min of 15 dbA audible signal or warning message sounded at the escalator, wherein (1) the signal or message shall have a sound intensity that is at least 15dBA above the average ambient sound level for the entire length of the escalator, (2) the signal shall be distinct from the fire alarm signal, (3) the warning message shall be meet audibility and intelligibility requirements.
- e) Escalators with or without intermediate landing shall be acceptable as the means of egress, regardless of vertical rise.
- f) Escalators exposed to the outdoor environment shall be provided with slip resistant landing and floor plates. Stopped escalators shall be permitted to be started in the direction of egress in accordance with the requirement for the stopping of escalator.
- g) Capacity and travel speed for escalators shall be computed at 120 people/min. and 18.5mtrs./min (vertical component of travel speed) respectively.

19) CAR PARKING:

- a) Car parking shall be permitted in the designated area.
- b) Drainage of the car parking area of all the levels shall be laid independent from that of the buildings & it shall be provided with catch pit & fire trapped before connecting the building drainage or Municipal drainage
- c) Drainage of the car parking areas at all the levels shall be so laid as to prevent any overflow in the staircase, lift shaft etc.
- d) The parking area shall not be used for dwelling purpose & repairing / maintenance purpose, at any time. Dwelling use of naked light/flame, repairing / maintenance of vehicles shall be strictly prohibited in the parking area.
- e) Repairing /servicing of cars, use of naked light shall not be permitted in the car parking areas.
- f) The drive way shall be properly marked & maintained unobstructed.
- g) The Automatic Sprinkler System provided to the entire car parking area.
- h) The Ignitions keys of the surface car parking cars shall be kept in the security cabins.

20) STACK CAR PARKING:

- i) Stack car parking shall be restricted to the designated area as per shown on the plan.
- ii) Vertical deck separation having multi – car parking level, vertical separation between the upper and lower decks by using the non – perforated and non combustible materials (structural steel plate) shall be provided. This is to

- minimize direct impingement of flame to the car in the upper deck and also to prevent dripping of any possible leaking fuel to the lower deck.
- iii) Elements of the 02 tier stack car parking shall structure shall have 1 hr. fire resistance.
 - iv) Stack car parking shall be protected with Water spray projector system / double line sprinkler system shall be provided in entire two tier stack car parking connecting every car.

21) SMOKE MANAGEMENT SYSTEM: (each Block)

- i) Escape routes like staircase, common corridor, lift lobbies, etc. shall not be used as return air passages.
- ii) Direct expansion system shall not be used.
- iii) The ducting shall be constructed of substantial gauge/metal in accordance with IS: 655:1963 metal air duct (revised).
- iv) Wherever the ducts pass through fire walls or floors, the opening around the ducts shall be sealed with fire resisting material such as vermiculite concrete or glass wool. A. C. ducting shall not pass through staircase well.
- v) As far as possible metallic ducts shall be used even for return air instead of space above false ceiling.
- vi) The material used for insulating the ducts (inside or outside) shall be of non-combustible type such as glass wool or spun glass with neoprene facing etc.
- vii) A.H.U.s if provided:
 - i) shall be provided of adequate size and shall be separate for each floor and air ducts for each floor/each theatre shall be separate and in no way inter connected with the ducting of any other floor.
 - ii) Automatic fire dampers shall be provided at the inlet of fresh air duct and the return air duct of each compartment on every floor. They shall be so arranged as to close by gravity in the direction of air movement and to remain tightly closed upon operation of a smoke detector.
 - iii) Air filters of A.H.U.s shall be of non-combustible material. A. H. U. room shall not be used for storage of any combustible material and shall be provided with one hour fire resistance door.
 - iv) Inspection panel shall be provided in main trucking to facilitate the cleaning of the duct of accumulated dust and to obtain access for maintenance of fire dampers.
 - v) No combustible material shall be fixed nearer than 15 cms. To any duct unless such duct is properly enclosed and protected with non-combustible material (glass wool) or spun glass with neoprene facing wrapped with aluminum foil of atleast 3.2 mm thick and which does not readily conduct heat.
 - vi) The AHU system shall be switch off automatically when either sprinklers system or detector system operate.
 - vii) There shall be adequate no of adequate arrangement of smoke and fire venting and enclosure of service duct etc.

OR

AIR CONDITIONING SYSTEM:

- a. Escape routes such as staircase, Corridors, passages, lift lobbies etc. shall

not be used as return air passages.

- b. The A. C. ducting shall be constructed of substantial gauge metal in accordance with IS: 655:1963 for metal air ducts (revised).
- c. Wherever the ducts pass through fire wall or floor, the opening around the ducts shall be sealed with fire resistance materials such as asbestos rope or vermiculite concrete or glass wool.
- d. AHU shall be independent for each floor / occupancy zone. In any case, the AHU shall not be required to serve more than one floor / occupancy.
- e. The insulating material if provided to A.C. ducting either from inside or outside, shall be of noncombustible material such as glass wool covered with aluminum foil or spun glass with neoprene facing or any other similar material.
- f. The material used for false ceiling and its runners and suspenders shall be of non-combustible type.
- g. Metallic ducts shall be used even for the return air instead of space above the false ceiling.

22) ATRIUM:

- a) Top of the atrium shall have natural vents and required mechanical ventilation as per rules.
- b) In case of fire, the atrium ventilation openings should open automatically and also should be openable manually from ground level.

23) FIRE FIGHTING REQUIREMENTS:

A. UNDERGROUND WATER STORAGE TANKS: (Common For all Block)

An underground water storage tank having total capacity 7.50,000 ltrs., (divided at four location as shown on plan i.e 01 no. of 3,00,000 litres & 03 nos. of 1.50,000 litres, which are interconnected) for complete project shall be as per the design specified in the rules with baffle wall and fire brigade collecting breaching. The layout of which shall be got approved from H.E.'s department prior to erection.

B. OVERHEAD WATER STORAGE TANK (separate for each staircase each block):

Overhead Storage tanks 30,000 litres capacity above each terrace level of the building and shall be connected to the wet riser through a booster pump through a non-return valve and gate valve.

C. WET RISER CUM DOWN COMER: (separate for each staircase each block):

A Wet Riser cum down comer of G.I. 'C' class of 15 cms. Dia. shall be provided in the duct adjoining the lobby with double hydrant outlet and hose reel on each floor in such a way as not to deduct the width of the corridor. Pressure reducing discs or orifices shall be provided at lower level so as not to exceed pressure of 5.5 kgs. /sq cms.

D. FIRE SERVICE INLET: (each block)

- i) A fire service inlet on the external face of the building near the tank directly fronting the courtyards shall be provide to connect the mobile pump of the fire service independently to (a) Each wet riser, (b) Each Sprinkler system
- ii) Breeching connection inlet shall be provided to refill U.G. tank.
- iii) Operating switches of fire pumps shall be also provided in glass fronted Boxes at ground floor.

E. AUTOMATIC SPRINKLERS SYSTEM: (each block)

Automatic sprinkler system shall be provided in the entire building including provided in each room & office at each floor , lift lobby & common corridor at each floor level, each banquet, each exhibition hall, each halls, store room, each retail BOH, service area, Spa, health club, each retail, each lounge area, fitness center, each F&B/restaurant, cafeteria, waste management room, wedding studio, conference hall, board room, admin area, airport facility, club, each store room, and each basement covering each car parking of the building as per the standards laid down by TAC or relevant IS specification.

F. WATER SPRAY PROJECTOR SYSTEM/DOUBLE LINE SPRINKLER SYSTEM: (each block)

Water spray projector system shall be provided in entire two-tier stack car parking connecting every car.

G. AUTOMATIC SMOKE DETECTION SYSTEM: (each block)

Automatic smoke detection system shall be provided in each room & office at each floor, each electric meter room, Pump room, fitness center, each panel room, fire control room, each lift machine room, each banquet, each retail, each lounge area, fitness center, each restaurant, each store room, BOH, service area, cafeteria, laundry, food store, Spa, health club, each retail, each lounge area, fitness center, each F&B/restaurant, wedding studio, conference hall, board room, admin area, airport facility, club, each basement and lift lobby & common corridor at each floor level of the building as per the standards laid down by TAC or relevant IS specification.

OPTICAL BEAM SMOKE DETECTION SYSTEM: (in theater)

Optical beam smoke detection system shall be provided in entire Cinema Theatres including projector room.

H. FIRE PUMP, SPRINKLER PUMP & JOCKEY PUMP (1 no.of set for each tank) and BOOSTER PUMP (each block)

- i) Wet-riser shall be connected to a fire pump at ground level of capacity of not less than 2850 LPM. Capable of giving a pressure of not less than 3.2 kgs/ sq. cms. at the top most hydrant.
- ii) Booster pump of 900 liters/min. capacity giving a pressure of not less than 3.2 kgs./sq.cms. at the top most hydrant out let of the wet-riser shall be provided separate for each staircase at the terrace level.
- iii) Sprinkler pump of suitable capacity along with jockey pump shall be provided for automatic sprinkler system.

- iv) Electric supply (normal) to these pumps shall be independent circuit.
- v) Separate jockey pump shall be provided to Wet riser system to keep system pressurized.
- vi) Operating switches for booster pumps shall be also provided in glass fronted boxes on Ground floor & Terrace floor at prominent places.
- vii) Operating switches of fire pumps shall be also provided in glass fronted boxes at ground floor.
- viii) The fire pumps provided shall be surface mounted type or vertical turbine mounted type and not submersible type.

I. 2 SET OF STAND BY PUMP:

A Set fire pump, sprinkler pump and jockey pump of suitable capacity shall be kept as stand by pumps shall be provided to the building or a Diesel-oil driven fire pump of suitable capacity shall be kept as stand by pump as per N.B.C.

J. EXTERNAL HYDRANTS:

Courtyard hydrants shall be provided at distance of 30.00 mtrs each within the confines of the site of the wet riser-cum-down comer. Hose box with two non percolating ISI marked hoses (length not less than 15 mtrs) & branch shall be equally distributed on ground floor, each basement as well as on each floor near the hydrant outlet.

K. HOSES & HOSE BOXES:

One Hose Box, each with two hoses of 15mts length of 63mm dia. along with branch shall be provided shall be kept at ground floor near each wet riser out let as well as every floor level at easily accessible places.

L. ALTERNATE SOURCE OF POWER SUPPLY: -

An alternate source of LV/HV supply from a separate substation as well as from a diesel generator with appropriate changeover over switch shall be provided for fire lift, fire evacuation lift , fire pumps, booster pump, sprinkler pump, jockey pump, staircases and corridor lighting circuits and fire alarm system, detection system, public address system, voice evacuation system etc. It shall be housed in separate cabin.

M. PORTABLE FIRE EXTINGUISHERS:

- a. One Dry chemical powder type fire extinguisher of 09 kgs. Capacity each having B.I.S. certification mark and two buckets filled with dry clean sand shall be kept in pump room, in each electric meter room & in each lift machine room.
- b. One Dry chemical powder type fire extinguisher of 06 kgs. capacity having B.I.S. certification mark shall be kept in each lift lobby/ common corridor on each floor level & in each refuge area.

- c. One Dry chemical powder type fire extinguishers of 09 kgs. capacity having B.I.S. certification mark and two buckets filled with dry clean sand shall be kept for every 100 sq. mtrs of car parking area in basement & stilt on ground.
- d. 02 Nos. of Dry chemical powder (ABC type) fire extinguisher of 6kgs. capacity having B.I.S. certification mark shall be kept in fitness center, each panel room, fire control room, each lift machine room, each banquet, each retail, each lounge area, fitness center, each restaurant, mep area, cafeteria, laundry, each store room, each basement and lift lobby & common corridor at each floor level for every 100.00 sq.mt.
- e. 06 Nos of Dry chemical powder (ABC type) fire extinguisher of 9kgs. capacity having B.I.S. certification mark shall be kept on each cinema & each floor level of building. & 02 Nos. of a bucket filled with dry clean sand shall be kept at Theatre premises for every 100.00 sq.mt
- f. F-500 (Encapsulation agent) / AVS type fire extinguishers of 09 kgs. Capacity conforming to relevant standard shall be kept for every 100 sq. mtrs.

N. FIRE ALARM SYSTEM / FIRE DETECTION SYSTEM:

- i) The building shall be provided with analog addressable fire alarm system with microprocessor based main control panel at ground floor level and addressable call points and hooters at each floor level. The design of fire alarm system shall be in accordance with I.S. specification and based on NFPA 72 guidelines (as per 2010 edition).
- ii) The addressable fire alarm system shall be equipped with the latest evacuation features such as digital voice evacuation capabilities; fire fighters telephone system, directional sounders etc. The main entry / exit points shall be provided with fire fighters interactive interface to enable viewing of critical information in event of fire.
- iii) All basements shall be provided with heat detectors connected to the main fire alarm panel. This is to avoid nuisance alarm caused due to smoke emission from the vehicles of the car parking.
- iv) Appropriate fire detection system shall be installed in kitchen area.
- v) Access control system, close circuit cameras shall be installed in the entire building & connected to B.M.S. control at reception.

O. RATE OF RISE HEAT DETECTORS:

Rate of heat rise detectors shall be installed in the hot areas i.e., kitchen etc. and same shall be connected to main console at ground floor level.

P. LPG BANK/ PNG FOR KITCHEN:

A separate NOC for the construction of L.P.G Bank /PNG for the kitchen use or elsewhere in the building shall be obtained from CFO prior to construction.

Q. PUBLIC ADDRESS SYSTEM: (each block)

The entire building shall be provided with the public address system in common areas the with main control operator at console panel at ground floor reception area.

R. VOICE EVACUATION SYSTEM: (each block)

The voice evacuation system shall be integrated to Fire Alarm system so as to facilitate the co-ordination activities in case of fire emergencies. The actuation of the fire alarm control panel shall automatically activate the Voice Evacuation system. A pre-recorded message shall be broadcast on the affected floor, one floor below & two floors above the affected floor.

S. SIGNAGES: (each block)

Self-glowing/fluorescent exit signs in green colour shall be provided showing the means of escape for entire building.

T. BREATHING APPARATUS SETS:

Two Self-contained Compressed Air Breathing Apparatus sets of 45 minutes duration each shall be kept in the fire control room & two Self-contained Compressed Air Breathing Apparatus sets of same capacity shall be kept in FCR in consultation with C.F.O.

U. FIRE OFFICER/TRAINED SECURITY STAFF:

- i) A qualified fire officer/Trained security staff with experience of not less than 3 years shall be appointed who will be available on the premises at all times. Alternative full time qualified fire officers working in shift duty system shall be placed round the clock on the premises.
- ii) The trained security / fire supervisor along with trained staff having basic knowledge of firefighting & fix firefighting installation shall be provided / posted in the building.
- iii) Maintenance of all the first aid firefighting equipment's, fixed installations & Other firefighting equipment's / appliance in good working condition at all times.
- iv) Imparting training to the occupants of the building in the use of firefighting equipment provided on the premises & kept them informed about the fire & other emergency evacuation procedures.
- v) To liaise with the City Fire Brigade on regular & continual basis.

V. EVACUATION / EMERGENCY EXIT ROUTE PLAN:

Evacuation / Emergency exit route plan framed in glass shall be displayed in the common corridor, cross passages, staircase / lift lobbies of each floor level.

W. FIRE DRILLS / EVACUATION DRILLS:

Fire Drills and evacuation drills shall be conducted regularly and log of the same shall be maintained.

X. SERVER ROOM/UPS ROOM: (each block) (if provided)

Server room/UPS room shall be segregated from adjacent user by sipoex/brick partition wall of 02hrs. fire resistance & FRD. Shall be provided with suppression system (Such as FM-200 and NOVEC, Automatic Modular

type etc. as per relevant standards) with automatic smoke detection system & kept in good working condition at all time.

24) MANAGEMENT OF HOTEL FIRE SAFETY;

The hotel authority should establish the management of hotel fire safety and this hotel management authority should strictly follow the following fire safety measures.

Designated a person to be responsible for fire safety in the hotel;

- a. Fire safety is a shared responsibility between all those who work in the hotel. However, it is most important that one person i.e. the manager or a head of department is given overall responsibility to ensure that agreed procedures are implemented. The manager or head of department should be competent to carry out this function and have the authority to make decisions on fire safety matters.
- b. The designated person should have enough training and experience or knowledge to be able to understand the risks involved how to deal effectively with those risks, should have an understanding of relevant current best fire safety practice applicable to hotels, should be aware of his/her own limitations with regard to experience and knowledge, and should be willing to build on existing experience and knowledge when necessary by additional training and / or by obtaining external help and device.

AA) MAINTANENCE OF A FIRE SAFETY REGISTER

1. A fire safety register should be maintained by the hotel. The register should include the following information
 - a. Simple drawings of the hotel layout and location of firefighting equipment,
 - b. The emergency Response plan;
 - c. All the fire safety systems and equipment in the hotel,
 - d. regular management checks
 - e. Routine maintenance, inspections and testing of equipment and systems,
 - f. Follow up action after inspections / tests
 - g. Training given staff members
 - h. Fire duties allocated to certain staff,
 - i. Practice fire evacuation drills carried out
 - j. False and unwanted alarm actuations and the measures taken to eliminate these as far as practicable.
 - k. Fire incidents and their analysis in order to learn from experience.
2. The person responsible for fire safety in the hotel (the manager or head of department) should be responsible for maintaining the Fire Safety Register. The Fire Safety Register may be kept as a 'hard copy' or in electronic format; an up-to-date copy of the Fire Safety Register should be kept outside the hotel in a secure location. The Fire Safety Register should be kept up to date to reflect daily occurrences and immediately after routine inspections/tests/maintenance of fire systems. The register will also be

reviewed as part of the annual Fire Risk Assessment. The Fire Safety Register should be kept in the hotel and should be available for inspection by the local Fire Authority or others having justification.

25) SERVICE DUCT: - (if provided)

- a. All service ducts shall have 2 hr. fire resistance.
- b. Inspection door of the service ducts shall have 2 hr. fire resistance.
- c. Duct for water service, drainage line, shall be separate from that of electrical cable duct.
- d. All service duct shafts shall be sealed at each floor level with noncombustible materials such as vermiculite concrete. No storage of any kind shall be done in the shaft.

26) FIRE CONTROL ROOM: (if provided)

- i) Separate Fire Control room with well qualified man power shall be established as shown on the plan.
- ii) Plan of each floor indicating means of egress as well escape shall be maintained.
- iii) Control panel of fire safety system shall be located in the control room. The Master switches controlling essential service circuits shall be provided in the
- iv) Fire Control room and shall be clearly labelled and operations of the same shall be carried out only by trained personnel or Fire Brigade personnel.
- v) The manual control for the changeover switch from main to D.G. Set/ other substation alternate supplies shall be provided in the Fire Control room.

27) DISASTER MAGEMENT PLAN:

- a. Disaster Management Plan for fire & other emergency shall be prepare & kept ready at the control room.
- b. The Mock Drill with the designated Fire Marshal for any operation of Disaster Management Plan shall be carried out regularly after occupation as per National Building Code.
- c. Emergency exit route plan framed in glass shall be displayed in the common corridor, cross passages, staircase/lift lobbies of each floor level.

28) KITCHEN / PANTRY AREAS:

- a. Entry to the kitchen areas shall be through fire resisting self closing door of one hour fire resistance.
- b. The kitchen shall be separately ventilated through vent shafts as well as through exhaust ducting. The exhaust duct shall not pass through any other storage area.
- c. The exhaust duct shall be provided with grease free ventilators to avoid accumulation of carbon soot and condensed of oil vapors.
- d. Necessary permission from Medical Officer of Health / C.F.O. for location of kitchen & use of fuel shall be obtained.

29) LPG BANK / PNG FOR KITCHEN :

A separate NOC for the construction of L.P.G Bank /PNG for the kitchen use on elsewhere in the building shall be obtained from CFO prior to construction.

30) SWIMMING POOL:

Separate NOC for Swimming pool shall be obtained from concerned department of M.C.G.M.'s.

31) UTILITY:

A separate NOC for utilities i.e. for DJ, lodging / boarding trade, Dance floor, Laundry, lining stores, storage rooms, Swimming pool, SPA, Steam Room, Jacuzzi, and Sauna etc. or any trade covered u/s 394 of B.M.C. act shall be obtained from CFO time to time.

32) SPECIAL PROVISIONS FOR DISABLED PERSONS:

- i) Evacuation plans should consider guests with disabilities and particular regards to guests who are mobility hearing or visually impaired together with those who have learning difficulties.
- ii) Evacuation procedure should particularly cater for disabled guests who are staying in bedrooms above ground or where steps or other hazards occur between public places or bedrooms & emergency exits.
- iii) Disabled persons should be able to reach or stay in protected areas (refuges) until evacuation & contact the reception desk if necessary.
- iv) Suitable communication facilities should be installed in refuge, in order to allow some one using a refuge to inform others.

33) GLASS FAÇADE: -

- a) An Opening to the glass façade of min. width 1.5 m and height 1.5 m shall be provided at every floor at a level of 1.2 m from the flooring at every floor level facing compulsory open space as well as on road side. Minimum one such opening shall be provided at the interval of every 15 m.-- Mechanism of Opening: - The openable glass panel shall be either left or right hinged to facilitate approach of the rescue cage / ladder. Similarly, this portion shall have manual opening mechanism from inside as well as outside.
- b) Distance between the external wall (glass / brick) and glass façade shall not be more than 300 mm.
- c) The smoke seals / barriers between building wall and façade shall be provided at every floor level in the form of non-combustible material / vermiculate cement. It shall be synchronized with opening mechanism.
- d) The glazing used for the façade shall be of toughened (tempered) safety glass as per I.S. 2553, Part I or laminated safety glass as per I.S. 2553 – Part I, satisfying stability criteria.
- e) Drencher system on the top of each floor level shall be provided at the periphery or Automatic sprinkler system shall be provided at every floor level from inside of the façade.

- f) Openable vent of 600 mm height to be installed below ceiling level or false ceiling level (if provided). - The openable vent of minimum 2.5% of the floor area shall be provided. It shall be of min 600 mm depth below ceiling / false ceiling or full length on the periphery of the façade whichever is less. - Openable mechanical devices for the said vent shall be located at 1.2 m height from the flooring level. The Openable vent shall also be integrated with automatic Smoke Detection system.

OR

Alternate vertical glass panels of the façade shall be openable type with the mechanical mentioned above in order to ventilate the smoke.

- g) Refuge areas cover with the glass façade shall have all the panels openable (either left or right hinged) both from inside as well as outside.

34) FIRE FIGHTING REQUIREMENTS AT THE CONSTRUCTION STAGE OF BUILDING:

Following fire protection arrangement shall be provided with the following fire protection measures shall be provided & same shall be maintained in good working condition at all the times.

- a) Dry riser of minimum 10 cm diameter pipe with hydrant outlets on the floor constructed with fire service inlet to boost the water in the dry riser & maintenance should be in accordance with good practice.
- b) Drums of 2000 liters capacity filled with water & two fire buckets shall be kept of each floor for every 100 sq. mtrs area.
- c) Water storage tank of minimum 20,000 liters capacity shall be kept at site ready to use in case of emergency, which may be used for other construction purpose also.

35) CINEMA THEATRE:-

- a. The requirement under Cinematograph Act and the rules framed there under i.e. Maharashtra Cinema (Regulations) Rules 1966 & Maharashtra Cinemas (Regulation) (First amendment) Rules, 2004 shall be complied with, in respect to the cinema theatre pertaining to the staircase, width of the exists, seating arrangements, wall lining, screen and projection room, gangways, escape route lighting, etc., and the necessary N.O.C. from the Competent Authority shall be obtained in this respect.
- b. Cinema shall not be built in a manner where the lowest level of floor thereof is higher than 50`ft. from the ground level.
- c. Two separate exits not opening on the same through fare of public passage shall be provided from the front of the stage/screen and from the auditorium floor and from every tier, which accommodates not more than 500 individuals; and where the auditorium floor or any tier accommodates more than 500 individuals, exits shall be provided at the rate of one for every 250 individuals and one for any less number excess. Each of such exits shall be of not less than 1.50 meter width and shall be in accordance with the prevalent Development Control Rules between the leaves of the door when open.
- d. In case of Multiplexes, if the auditoriums are adjoining each other or side by side, the entrances and exits shall be from the rear of the auditorium and from the front of the stage/screen at the above specified shall be with reference to the whole cinema complex and not the individual screen.

- e. For any auditorium floor or any tier, which does not accommodate more than 300 individuals, two 1.20 meter exits may be sufficient. The exit may be provided as per the prevalent Development Control Rules.
- f. No seat shall be more than 10 seats away from the gangway and the gangway should be at least 0.90 meter wide. If the seating capacity of the Cinema is less than 300 seats and if at least 1.12 meters (3 feet 8 inches) spacing between the rows is provided then no central gangway is required. However if the seating capacity of the Cinema exceeds 300 seats then provision of central gangway is required.
- g. Gangways at the periphery and centre shall be provided. Cross gangways shall be provided in such a way that no person will have to cross more than eight seats to reach gangway. All the gangways shall lead to exits.
- h. Sufficient space shall be provided between the screen and seating arrangement as per cinematograph act.
- i. The width of entrance/ exits shall not be less than 1.5 mtrs.
- j. All the doorways shall be opening outward and shall not be bolted or locked when show is in progress.
- k. All the doorways shall be easily openable outward.
- l. Total number of seats shall not exceed specified limit.
- m. Seating arrangement shall be of chairs with folding seats, fixed with the flooring.
- n. Clearance of at least 30 cms shall be maintained between the two rows of seats.
- o. The letters "Entrance" and "EXIT" shall be kept illuminated properly when show is in progress.
- p. At least one "Door Keeper" or attendant with an efficient torch in hand shall be kept on the premises to guide audience in case of emergency when show is in progress.
- q. The door keeper / attendant of the premises shall be trained in use, operation and handling of fire-fighting equipment.
- r. Wooden members used in the auditorium shall be painted with fire retardant paint.
- s. Accosting and thermal insulation shall be non-combustible material.
- t. All the electrical wiring shall be in metal conduit, continuously bonded to earth.
- u. Self-glowing fluorescent signs in green colour showing direction to escape route shall be provided in common corridor.
- v. Plan showing escape route from the place shall be displayed at every floor level in common corridor.
- w. Only electrical energy shall be used in cafeteria.
- x. Hose box provided with two standard size hoses & a standard size branch shall be provided near the hydrant outlet of each wet riser at every floor level.
- y. Four dry chemical powder type (class ABC) type fire extinguishers each of 5 kg capacity and two water type (gas pressured) fire extinguishers each of 9 ltrs capacity along with four sand buckets shall be provided near the screen in each Theatre.

36) D.G. SET: (if provided)

- i) D.G. set with appropriate change over switch shall be provided for staircase and corridor lighting circuits, manual fire alarm system & Fire lift.
- ii) Entire Installation of D.G. Set shall be conforming to the Indian Electrical Act / Rules in practice.

- iii) Cables in the cable trenches shall be coated with fire retardant material.
- iv) Electric wiring shall be having copper core having the fire resistance and low smoke hazard cables for the entire building with provision of ELCB/MCB.
- v) The capacity of the D.G. Set shall be as per Electrical service provider requirements.
- vi) Exhaust of D.G. set shall not be directed in to the exit / entrance of any adjoining structures. & Shall be provided as per rules.
- vii) Sand bed of 6 inches thickness shall be provided below the D.G. Set.
- viii) Adequate quantity of spare diesel(990 litre day tank) shall be stored in its original container near the D.G. Set, away from the electric switches of source of ignition.
- ix) Structural stability of the building regarding absorption of the vibrations of D.G. set shall be checked by Structural Engineer before installation of D.G. set.
- x) Two Foam type fire extinguishers of 9 litres capacity each with ISI certification mark coupled with two buckets filled with dry, clean sand shall be kept in the D.G. Set Cabin.

37) ELECTRIC SUB-STATIONS (DRY TYPE):

- i) Only Dry Type Electric Sub-Station / Transformers shall be installed.
- ii) Entire installation of substation including switchgear room, capacitors, transformer etc. shall be confirmed to the Indian Electric Act/Rules in practice.
- iii) Cables in the cable trenches shall be coated with fire retardant material.
- iv) The door of the sub-station shall be of two hours fire resistance.
- v) Two dry chemical power type (Class ABC type) fire extinguishers of 09 kgs. Capacity each with BIS certification mark coupled with four buckets filled with dry clean sand and shall be kept on the sub-station.

38) REFUGE AREA:

(A) Refuge area provided on 5th, 6th & 7th of the bldg., as shown in plan & shall be conforming to the following requirements:

i) Manner of refuge area:

- a) The refuge area shall be so located that it shall preferably face the wider open space on the side of the building perpendicular to the main access road.
- b) The refuge area shall be provided with railing/ fire rated glass / parapet of 1.20 mt.
- i) The refuge area shall have a door which 'shall be painted or fixed with a sign in luminous paint mentioning "REFUGE AREA IN CASE OF EMERGENCY".
- ii) There shall not be any opening/s into the refuge area from any portion of the occupied premises.
- iii) Refuge area shall be segregated by brick masonry partition wall of 9" thickness or concrete block wall of 6" thickness and access to the refuge

area shall be gained through half an hour fire resistance self closing door.(FIRE RATED GLASS)

- c) The lift/s shall not be permitted to open into the refuge areas.
- d) The refuge area provided within building line shall be accessible from common passage/ staircase.

ii) **Use of refuge area:**

- a. The refuge area shall be earmarked exclusively for the use of occupants as temporary shelter and for the use of Fire Brigade Department or any other organization dealing with fire or other emergencies when occur in the building and also for exercises/drills if conducted by the Fire Brigade Department.
- b. The refuge areas shall not be allowed to be used for any other purpose and it shall be the responsibility of the owner/occupier to maintain the same clean and free of encumbrances and encroachments at all times.
- c. Adequate emergency lighting/drinking water facility shall be provided.

Terrace floor as a refuge floor:

- a) The necessary facilities such as emergency lighting, drinking water etc. shall be provided.
- b. The access door/s from the enclosed staircase/s to the terrace floor shall have louvers at top half portion of the door. The entrance doors to the terrace shall be painted or fixed with sign painted in luminous paint mentioning "**REFUGE AREA**".
- v) **Excess refuge area shall be counted in FSI, as per DCPR-2034.**

39) OTHER APPROVALS/PERMISSIONS:

Necessary permission/approvals, swimming pool, addition/alteration, trade activity, 394/390 lodging /boarding etc. shall be obtained from competent municipal authority's/CFO department if any.

SCRUTINY FEES:-

The party had paid additional scrutiny fee of **Rs 25,000/-** vide online receipt no. 29/7/2024/28313 dated 29/07/2024 (Demand No. CHE/BP/145663/24) & **Rs 9,808,507.43/-** vide Receipt no. 23/0578657/658/659/660 SAP Doc No. 1005032999 dated- 05.09.2024 (Demand Note No.: CHE/CFO/149091/24) on the gross built up area of **4,33,194.16 sq. Mtrs.** as certified by Architect.

FIRE & EMERGENCY SERVICE FEES: -

Architect has certified height of the building as 39.98 mtrs. & total built up area **4,33,194.16 sq. mtrs.** for the said Hotel cum Commercial & as per schedule II of section 11(1) of Maharashtra fire prevention & life safety measure act 2006, and circular from Directorate of Maharashtra fire & Emergency service vide no. मअसे-2023-59/895 dated 02/06/2023, Fire & Emergency Service fee is applicable from 30/05/2023. In this regard, as per BRC 78, Dated-15.03.2024 & letter MFS/51/2024/481., dated-11.03.2024 regarding guidelines for calculating Fire & Emergency Service fees from Director, Maharashtra Fire Services party has paid Fire & Emergency Service Fee of **Rs. 80/-** vide online receipt no. 29/7/2024/28313 dated 29/07/2024 (Demand No. CHE/BP/145663/24) & **Rs. 98,335,074.32/-** vide Receipt no. 23/0578657/

658/659/660 SAP Doc No. 1005032999 dated- 05.09.2024 (Demand Note No.: CHE/CFO/149091/24).

EE.B.P. (WS) is requested to verify the total built-up area and inform this department, if the same is found to be more for the purpose of levying additional Scrutiny fees, if required.

Note:

- i) The Fire-Fighting installation shall be carried out by Govt. of Maharashtra approved Licensing Agency.
- ii) The width of Abutting Road & Open spaces is mentioned in plans as submitted by the Architect attached herewith & these parameters shall be certified by the Architect.
- iii) E.E.B.P (WS) shall examine the proposal in context with the relevant Regulations of DCPR-2034.
- iv) The schematic drawings/plans of automatic sprinkler system, automatic smoke detection system, wet riser system, public address system, manual fire alarm system shall be submitted at the time of occupation.
- v) The area, size, etc. for the Sprinkler system, Detection system, Fire alarm system, Wet riser system, public address system, Fire duct, Electrical duct etc. to be verified & examined by M.E.P. Consultant.
- vi) Separate necessary permission for any licensable activity shall be obtained from concerned authorities of B.M.C./ C.F. O's Department, till then shall not be allowed to use.
- vii) There shall be no tree located in the compulsory open spaces or in the access way near the Entrance gates.
- viii) This recommendation letter is issued only from Fire Protection & Fire-Fighting requirements point of view on behalf of the online application from Architect. If any matter pertaining to authenticity or legality shall be cleared by concerned Owner / Occupier / Developer / Architect. etc.
- ix) The plans approved along with this approval are issued from Fire Risk & Life Safety point of view only. Approval of these plans does not mean in any way of allowing construction of the building. It is Architect / Developers responsibility to take necessary prior approval from all concerned competent authorities for the proposed construction of the building.
- x) As per Section 3 of Maharashtra Fire Prevention & Life Safety Measures Act. 2006, it is the liability of Owner / Occupier to provide the Fixed Fire-Fighting installations & shall be maintained in good working order & in efficient condition all the time, in accordance with the provisions of Maharashtra Fire Prevention & Life Safety Measures Act. or the Rules.
- xi) This approval is issued without prejudice to legal matters pending in court of law, if any.

PRASHANT RAMDAS
PARULEKAR

Digitally signed by PRASHANT
RAMDAS PARULEKAR
Date: 2025.01.24 17:56:34 +05'30'

Div. Fire Officer
(Scrutinized and Prepared by)

Dy. Chief Fire Officer
(Approved by)

Copy To: E.E.B.P (WS)

Architect Devyani S. Khadilkar of M/s. Spaceage Consultants.

BRIHANMUMBAI MUNICIPAL CORPORATION

No. DyChE/SWD/ 2158/PC dt.

23 DEC 2025

Office of the :
Dy.Ch.Eng.(Storm Water Drains) P.C.
Engineering Hub Bldg.,
Dr. E. Moses Road, Acharya Atre
Chowk, Worli, Mumbai- 400 018

To,
M/s Spacege Consultants
Architects,
Shop No 15 B-106 Natraj Building
Shiv Shristi Complex
M.G Link Road ,
Mulund (West), Mumbai-400080.

Sub : Major Nalla remarks for the Proposed Hotel cum Commercial Building on Plot No T2 C05 at Mumbai Sky City, CTS No. 145A(Part) of Village Sahar, and CTS 1405(Part) of Village Marol, Mumbai - 400 099.

Ref : Your letter dtd 10/02/2025

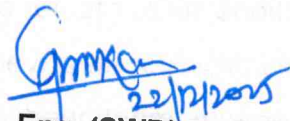
With reference to your above letter, by direction, this office major nalla remarks are as under:

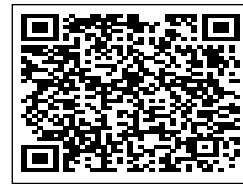
1. The plot under reference is shown bounded in black and marked as A-B-C-D-E-F-G-H-I-J-K-L-M-A on accompanying plan.
2. The existing nalla stretch affecting the plot under reference is trained in RCC as marked in blue line on accompanying plan. The same shall be maintained as it is.
3. During the execution of proposed development work, unobstructed flow shall be maintained and necessary precautions shall be taken to avoid flooding on the upstream side, till obtaining Completion Certificate from this office.
4. During the execution of the proposed development work, if any, damage occur to the existing nalla, the same shall be repaired and maintained in good condition at the cost of Owner / Developer to the satisfaction of SWD department.
5. Compound wall shall not be constructed on top of nalla.
6. (a) To facilitate desilting and maintenance operations, a 6.00 M. wide paved/asphalted access shall be maintained within the holding along the nalla as shown in Violet dotted line in the accompanying plan. The said access shall be free of any encumbrances, underground constructions, utilities like inspection chambers, septic tank, water pipes, water meters, suction tank, dust bin, trees, benches, play-apparatus, parking etc. Further, the said access shall be free of any balcony projections, lofts, etc. for a minimum height of 4.50M.
(b) This provision of paved/asphalted access is without prejudice to the open space requirements mentioned in the D.C.P.R. 2034.
(c) 5.00M. wide M.S. gates shall be provided in compound wall as shown on the accompanying plan.
7. Formation level of the plot shall be minimum 15 cm above the formation level of the nalla retaining wall or formation level of the abutting road whichever is higher.



8. Parapet walls of minimum 1.20m height above plot ground level shall be constructed adjacent to the nalla retaining walls to avoid any mishap / accidents.
9. Competent Authority's sanction shall be obtained for cutting/ replantation of trees, if any, coming in the alignment of the proposed nalla training and 6.00 M wide desilting access.
10. The construction of 6m wide paved/ asphalted access shall be carried out before requesting for full completion certificate from this office.
11. Unobstructed entry shall be permitted to Municipal staff, vehicles, machinery along with laborers deployed for desilting / maintenance of nalla at any time of the year as and when required. A registered undertaking shall be given by the owner/ developer for faithful compliance of the conditions of these major nalla remarks. This registered undertaking shall be binding on the Owner / Developer / Successor / Prospective flat purchaser / CHS that may be formed.
12. The Owner / Developer shall submit Indemnity Bond on stamp paper of Rs.500/- indemnifying BMC from any litigation that may arise while carrying out the work of desilting access due to any accident / mishap, etc and this undertaking will be binding on Owner/ Developer, his legal heirs, successors, co-operative society that may have been formed.
13. Entire cost of the construction of 6.00 M. wide clear paved / asphalted access associated works shall be borne by the Owner / Developer. No additional over and above permissible FSI / TDR / other benefits / concessions in lieu of nalla training work and 6.00 M wide clear paved / asphalted access shall be claimed.
14. These major nalla remarks are being offered as per plot boundaries shown by your representative, total station survey plan submitted by you, without prejudice to the ownership of land under reference and status of the structure thereon.
15. In case of any deviation in the plot boundaries, changes in layout plan or any discrepancy in the details mentioned in the submitted plan, you shall obtain revised remarks.
16. These major nalla remarks are only for major nalla. Architect is requested to contact EE(SWD)WS Z-III to obtain internal SWD remarks / road side SWD remarks on receipt of approval plans from the competent planning authority.
17. These major nalla remarks are valid for period of two year from the date of issue.
18. On Completion of the work, Completion certificate shall be obtained from this office before asking for occupation certificate for proposed redevelopment.

Acc.: Plan.


22/11/2015
Ex. Eng. (SWD) PI. Cell (W.S.) ilc



BRIHANMUMBAI MUNICIPAL CORPORATION

(Solid Waste Management Department)

Office of Executive Engineer,

SWM SWM Zonal Office 3,

Application Number - P-22567/2024/(145A(Part) and 1405(Part))/K/E Ward/SAHAR/MMRDA-SWM/1/New, dated - 16 Mar 2026
Issued remarks Number SWM/29046/2026/K/E/WS Dated 01 Apr 2026.

To (Architect / L.S),
Devyani Shrikant Khadilkar
Flat no- 1803, A wing ,park
royal,M.M.Malviya Road,Mulund
West,Mumbai-400080

CC (Owner),
Mumbai International Airport Ltd. (MIAL)
1st Floor, Terminal 1, Chhatrapati Shivaji Maharaj
International Airport, Santacruz East Mumbai – 400099

Subject :- Approval to Construction and Demolition waste management plan for the site at CTS/CS Number 145A(Part) and 1405 (Part) of village SAHAR at ward K/East.

Reference :- Your application / online submission for C & D Waste Management Plan leveling & filling at designated site Dtd. 16 Mar 2026

Regarding your application/ online submission, the Debris Management Plan submitted by you has been approved as per "Construction and Demolition Waste Rules 2025" and you are allowed to transport Construction & Demolition/ Excavation Material from the construction site to the unloading site/BMC C&D Processing Plant subject to the following terms & conditions,

1. This approval is subject to the orders passed by the Hon' ble Supreme Court in SLP (Civil) No. D23708/2017 dated 15.03.2018. The developer shall adhere to all instructions and conditions mentioned in the said order.
2. You shall handle and transport Construction & Demolition Waste Material up to a maximum of 500 Brass to the designated unloading site or BMC C&D Waste Processing Facility CTS NO. 2330, Kokani Pada Dahisar, Survey No 345 C (P, B St, Sant Kabeer Marg, Dahisar East, Mumbai, Maharashtra 400068 , email id-cnd.bmc@antonywaste.in.
3. If the developer chooses to transport C&D Waste independently, appropriate precautions and measures must be taken to prevent the dispersal of dust particles and airborne contamination during handling and transportation.
4. The C&D waste must be transported either to a designated site approved for filling and levelling purposes, or to a BMC-authorised C&D waste processing facility located in the City & Eastern Suburbs or Western Suburbs, as applicable. These activities shall be governed under the Construction and Demolition Waste Management Rules, 2016, and the Solid Waste Management Rules, 2016.
5. If Consent of the designated site/agency is revoked, the period for use of the unloading site expires, or the site reaches full capacity, the developer shall immediately stop all transportation activities and must submit a revised C&D Waste Management Plan along with necessary documents for revalidation.
6. The C&D waste shall be transported through either your appointed transport contractor or the BMC-authorised transport contractor.
 - o If the BMC contractor is chosen, the waste shall be transported directly to the BMC C&D Waste Processing Facility located in the City & Eastern Suburbs or Western Suburbs, depending on the project location.
 - o The developer must upload the transporter details in the portal/system at the time of actual transportation.
7. In case the developer appoints their transporter, the deployed vehicles shall;
 - o Abide by all RTO rules and regulations.

- Be fully covered with tarpaulin or other suitable material to prevent spillage or escape of waste.
 - Have cleaned and washed the body and wheels to prevent spreading debris on public roads.
 - Transport waste only to designated filling sites or BMC-authorized processing facilities
8. A copy of the approved C&D Waste Management Plan must accompany each vehicle
- The developer shall issue a Challan for each vehicle trip, which must be acknowledged by the agency at the unloading site.
 - A detailed logbook/record of C&D material transported shall be maintained and made available to MCGM or the Monitoring Committee upon request.
9. This approval assumes the documents submitted by the applicant/owner are genuine. In case of any document-related dispute, the POA/Occupant/Owner shall be held responsible as per prevailing law.
10. This approval does not absolve the requirement of approvals from other departments of MCGM or Government authorities.
11. In case of legal disputes or court matters related to the site/land/property, this approval shall not be treated as legal proof of entitlement.
12. In case of any breach of conditions, a Show Cause Notice will be issued. A decision will be taken within one month, which shall be binding on the applicant/landowner.
13. This approval does not grant permission for excavation or dumping. It is solely for the transportation of C&D Waste under the approved Management Plan to a designated unloading site.
14. The landowner/applicant shall submit a valid Bank Guarantee, issued by MCGM-approved bankers, as per the applicable rates in the attached table. The Bank Guarantee shall remain valid until the grant of the Occupation Certificate (O.C.C.).
15. The Licensed Architect/Engineer shall upload a compliance report related to the C&D Waste Management Plan. Any breach shall result in the cancellation of building permission, and work shall be stopped immediately.
16. (A) Project Total Estimated Quantity of C&D Waste to be disposed of (Brass): 109650
(B) Obtained NOC(s) Total Quantity (Brass): 500
17. Charges for Collection, Transportation, and Processing of C&D Waste depend on the location of the project, and whether the developer chooses the BMC contractor or uses their own transportation.
- City & Eastern Suburbs:
 - ₹6,455.00 per brass (if transported by BMC contractor)
 - ₹3,242.00 per brass (if directly transported by a developer)
 - Western Suburbs:
 - ₹6,410.00 per brass (if transported by BMC contractor)
 - ₹3,216.00 per brass (if directly transported by the developer)

Note: These rates account for logistical and distance-related variations between regions. The developer must factor these rates into their C&D waste management plan accordingly.

Note:

1. The above remarks are system-generated based on the input data submitted by Architect / Consultant / L.S, and if in the future it is found that the data is incorrect / fraudulent, then the remarks deemed to be treated as cancelled, and necessary action will be initiated.
2. The above remarks are system-generated and do not require any signatures.
3. This C&D approval is issued subject to obtaining a valid IOD / CC. Actual transportation shall begin after obtaining a valid IOD / CC only.
4. The C&D Waste Processing Plant mentioned in the Auto DCR is designated solely for the acceptance and processing of Construction and Demolition (C&D) debris. This facility will not accept excavated material, soil, or any other non-C&D waste.
5. All stakeholders are requested to ensure that only permissible C&D waste is delivered to the plant in compliance with regulatory guidelines. Any non-conforming material will be rejected at the site.

BRIHANMUMBAI MUNICIPAL CORPORATION
Sewerage Project Department

Office of the
Dy.Chief Engineer(Sewerage Project),P&D,
Store Bldg., Worli Hub,2nd floor
Dr. E.Moses Road, Worli,
Mumbai-400 018.

No.Dy. Ch.E/SP/P&D/.....6113...../Ward.

7 APR 2026

To,
Shri. S.R. Kulkarni (PL. No. 2317) " " " " "
M/s. S. R. Kulkarni,
103, Shivanand, Sant Ramdas Road,
Mulund (E), Mumbai – 400081.

Sub: Sewerage remarks for the proposed development of hotel cum commercial building on plot bearing CTS No. 145 A (pt.) of village Sahar and CTS No. 1405(pt.) of village Marol, Andheri (E), Mumbai within Chhatrapati Shivaji Maharaj International Airport Notified area (CSMIANA) of MMRDA.

Ref: 1) Letter received from L.P. Shri. S.R. Kulkarni (L.P. No. 2317) of M/s. S. R. Kulkarni dated 08.10.2025.
2) In-principal approval u/no. TCP(P-2) /MIAL /CC /3.48 /II /860 / 2024 dated 18.10.2024.

IOD Holder/Owner: M/s. Mumbai International Airport Ltd.

3) Dy.Ch.E.(SP)P&D's Approval Dt. 02.04.2026.

Gentlemen,

By direction, this is to inform you that as far as, S. P. (P&D) section is concerned, there is no objection to allow the Owner /Developer to utilize total treated water from STP for Gardening and other permissible works within the CSMIA airport notified area for proposed development of hotel cum commercial building situated at above mentioned place, subject to compliance of following condition:

1. Prior to the execution, required permission shall be obtained from Asstt. Commissioner 'K/East' Ward, if any.
2. In case, where it is required to connect excess treated water to the BMC SWD line/ Sewer line in future, Owner /Developer/LP to take prior approval from Dy.Ch.E.(SP)P&D.
3. Developer/Society/Owner will apply for the permanent street connection for the proposed development u/r in the layout as and when sewer line will be laid and become functioning in the surrounding area at his own cost.
4. The work shall be carried out as per the Drainage Bye Laws & Municipal Specifications.
5. That the revised N.O.C. shall be obtained if the plans are amended.
6. This sewerage NOC is issued considering the plans and documents submitted by LP. If any fraudulent plans or documents are found to be submitted then this NOC shall be treated as cancelled.
7. Execution of work shall be done by following due process of law and ensuring the safety of life and property of all those likely to be affected

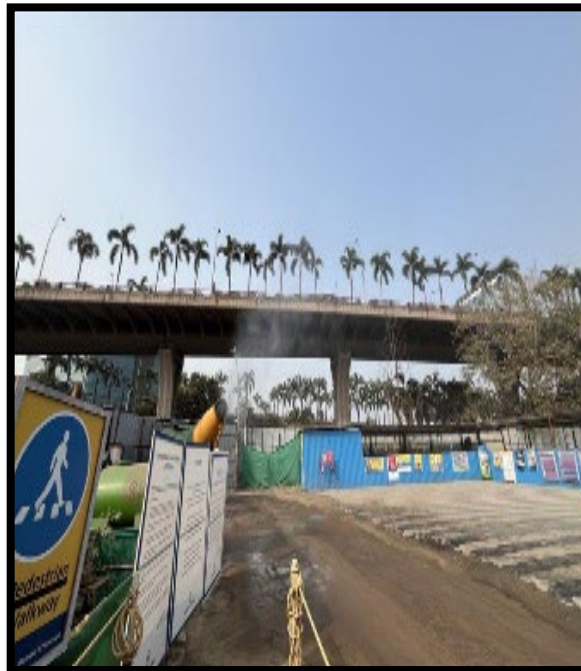
- during the work. If any mishap occurred the same shall be at your risk and cost and BMC will not be held responsible for the same.
8. These remarks are valid for 1 year from the date of issue.
 9. As per the "The Prohibition of Employment As Manual Seweragers and Their Rehabilitation act, 2013" you shall not engage or employ either directly or indirectly, any person for hazardous cleaning of sewer.
 10. You should strictly follow safety guidelines for cleaning of septic tank/STP/Sewer line as mentioned in government circular by UDD department U/no. 2018/CN-764326/NEW-34 Dated 03.05.2024.
 11. Owner/Developer/L.P. shall submit consent to operate of STP from MPCB before DCC.

Yours faithfully,


07/4/26
E.E.(S.P.)P&D, W.S.

Annexure- 2**Photographs of Online air quality monitoring**

| | |
|--------------------|--------------------------|
| Annexure- 3 | Dust mitigation measures |
|--------------------|--------------------------|



Annexure- 4


Photographs of adequate drinking water and sanitary facilities



Annexure- 6

Copy of EC letter submitted to concerned authorities

0/c


Chhatrapati Shivaji Maharaj
INTERNATIONAL AIRPORT
MUMBAI

Date 29.10.2025

To
The Asst Commissioner,
K East Ward Office Bldg, MCGM
Azad Road, Gundavali Gaothan,
Andheri (East), Mumbai-400 069

Subject: Amendment in Environmental Clearance for Non-Operational Area (Landside)
Development of Chhatrapati Shivaji Maharaj International Airport - **Submission of Environmental Clearance copy reg.**

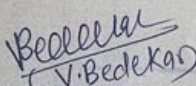
Ref: Environmental Clearance vide EC Identification no. / SEIAA File No.
SIA/MH/INFRA2/500973/2024 dated 8th October 2025


Dear Sir,

This is to appraise you that M/s Mumbai International Airport Ltd. has been accorded with Amendment in Environmental Clearance for Non-Operational Area (Landside) Development at Chhatrapati Shivaji Maharaj International Airport, by State Level Environment Impact Assessment Authority (SEIAA), Maharashtra, vide EC Identification no. / SEIAA File No. SIA/MH/INFRA2/500973/2024 dated 8th October 2025.

As per General Instructions 11 (b), the copy of Environment Clearance is being submitted to all concerned authorities for required action.

Your Sincerely,


V. Bedekar
Environment & Sustainability Department
Mumbai International Airport Ltd.
Chhatrapati Shivaji Maharaj International Airport
1st Floor, Terminal 1, Santacruz (E),
Mumbai - 400 099, India.



Mumbai International Airport Limited
Chhatrapati Shivaji Maharaj International Airport
1st Floor, Terminal 1B, Santacruz (E),
Mumbai 400 099,
Maharashtra, India
CIN: U45200MH2006PLC160164

Tel +91 22 6685 0900 / 6685 0901
csmla.adaniairports.com

Registered office: Office of the Airport Director, Terminal-1B, CSMI Airport, Mumbai - 400099, Maharashtra, India

वरिष्ठ नियोजक
नियोजन विभाग,
मु.म.प्र.वि.प्रा.

10/10/25



Date : 10.10.2025

To,
SR. Planner (PP)
TP Division,
MMRDA Building, 6th floor
Bandra - Kurla Complex,
Bandra (East),
Mumbai - 400 051.

Sub : Proposed Hotel cum Commercial Building on plot No. T-2 C05 on at
Mumabi Sky City, CTS No. 145A(Part) of Village Sahar, and CTS
No. 1405(part) of Village Marol, Mumbai - 400 099.

Sir,

With reference to the above refer subject we are submitting herewith
documents:

1. EC letter
2. MEP report
3. RWH report

Kindly do the needful & oblige.

Thanking you,

Yours faithfully,

For M/s. Spaceage Consultants

MAHARASHTRA POLLUTION CONTROL BOARD

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



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

Infrastructure/RED/L.S.I

No:- Format1.0/CAC-CELL/UAN No.0000139579/CE/2209001403

Date: 21/09/2022

To,
Mumbai International Airport Ltd.,
Chhatrapati Shivaji Maharaj International
Airport, 1st floor, CTS No. 2085 (Part),
1405 (Part) & 145-A(Part), 145-A(Part),
Terminal 1-B, Santacruz (East), Mumbai-
400099.



Your Service is Our Duty

Sub: Consent to Establish for proposed development of Chhatrapati Shivaji Maharaj International airport under Red/LSI category.

- Ref:**
1. Environment Clearance accorded by Env. Dept, GoM vide letter No. SIA/MH/MIS/127703/2019 dtd. 31/03/2020.
 2. Renewal of Consent to Operate accorded by the Board vide letter Format1.0/CAC-Cell/UAN No. 0000116725/CR-2202000148 dtd. 02/02/2022.
 3. Minutes of Consent Appraisal Committee meeting held on 30/08/2022.

Your application NO. MPCB-CONSENT-0000139579

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

1. **The Consent to Establish is granted for a period upto commissioning of project or up to 5 year whichever is earlier.**
2. **The capital investment of the project is Rs.1822 Cr. (As per undertaking submitted by pp).**
3. **The Consent to Establish is valid for proposed construction of Mumbai International Airport named as Mumbai International Airport Ltd., Chhatrapati Shivaji Maharaj International Airport, 1st floor, CTS No. 2085 (Part), 1405 (Part) & 145-A(Part), 145-A(Part), Terminal 1-B, Santacruz (East), Mumbai- 400099 on Total Plot Area of 17,06,100 SqMtrs for Construction BUA of 8,46,516.77 SqMtrs out of Total Construction BUA of 8,77,696.77 SqMtrs as per EC granted dated 31/03/2020 including utilities and services**

| Sr.No | Permission Obtained | Plot Area (SqMtr) | BUA (SqMtr) |
|-------|--------------------------|-------------------|-------------|
| 1 | EC- dtd. 31/03/2020 | 1706100.00 | 877696.77 |
| 2 | C to R - dtd. 02/02/2022 | 7700.00 | 31180.00 |

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

| Sr No | Description | Permitted (in CMD) | Standards to | Disposal |
|-------|----------------|--------------------|--------------|----------|
| 1. | Trade effluent | Nil | Nil | Nil |

| Sr No | Description | Permitted | Standards to | Disposal |
|--------------|--------------------|------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2. | Domestic effluent | 2129 | As per Schedule - I | The treated sewage shall be 60% recycled for secondary purposes and remaining shall be utilized on land for gardening and/ or connected to local body sewer line with water metering system. |

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

| Stack No. | Description of stack / source | Number of Stack | Standards to be achieved |
|------------------|--------------------------------------|------------------------|---------------------------------|
| S-1 to S-6 | DG Sets of 2500 kVA x 6 | 06 | As per Schedule -II |
| S-7 to S-16 | DG Sets of 2000 kVA x 10 | 10 | As per Schedule -II |
| S-17 to S-20 | DG Sets of 1850 kVA x 4 | 04 | As per Schedule -II |
| S-21 to S-25 | DG Sets of 1500 kVA x 5 | 05 | As per Schedule -II |

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

| Sr No | Type Of Waste | Quantity & UoM | Treatment | Disposal |
|--------------|-------------------------|---------------------------|--------------------------------------|------------------------------|
| 1 | Bio-degradable Waste | 2.2 MT/Day | OWC followed by composting facility. | Used as Manure. |
| 2 | Non-biodegradable Waste | 3.3 MT/Day | Segregation | Handed over to Auth. Vendor. |

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

| Sr No | Category No. | Quantity | UoM | Treatment | Disposal |
|--------------|-----------------------|-----------------|------------|------------------|-----------------------------------|
| 1 | 5.1 Used or spent oil | 10000 | Ltr/A | Recycle | Handed over to Auth. reprocessor. |

8. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
10. PP shall provide STP of adequate capacity to achieve the treated domestic effluent standard for the parameter BOD-10 mg/lit including disinfection facility.
11. The treated sewage shall be 60% recycled for secondary purposes such as toilet flushing, air-conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening and/ or connected to local body sewer line with water metering system.
12. PP shall provide organic waste digester along with composting facility/bio-digester (biogas) for the treatment of wet garbage.
13. PP shall make provision of charging ports for electric vehicles at least 40% of total available parking slots.

14. PP shall submit BG of Rs. 25 Lakh towards compliance of EC and Consent conditions.



Ashok Shingare

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7fa17215
579802c2

Signed by: Ashok Shingare
Member Secretary
For and on behalf of,
Maharashtra Pollution Control Board
ms@mpcb.gov.in
2022-09-21 14:44:27 IST

Received Consent fee of -

| Sr.No | Amount(Rs.) | Transaction/DR.No. | Date | Transaction Type |
|-------|-------------|--------------------|------------|------------------|
| 1 | 3644000.00 | MPCB-DR-12557 | 27/06/2022 | RTGS |

Copy to:

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



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have provided Sewage Treatment Plant of designed capacity 5500 CMD with SBR technology for the treatment of 2129 CMD of sewage.
- B] The Applicant shall operate the sewage treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

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

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

| Sr. No. | Purpose for water consumed | Water consumption quantity (CMD) |
|----------------|------------------------------------------------------------------------------------------------|-----------------------------------------|
| 1. | Industrial Cooling, spraying in mine pits or boiler feed | 778.00 |
| 2. | Domestic purpose | 2263.00 |
| 3. | Processing whereby water gets polluted & pollutants are easily biodegradable | 0.00 |
| 4. | Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic | 0.00 |

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

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

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

| Stack No. | Source | APC System provided/proposed | Stack Height(in mtr) | Type of Fuel | Sulphur Content(in %) | Pollutant | Standard |
|--------------|--------------------------|------------------------------|----------------------|-----------------|-----------------------|-----------------|---------------|
| S-1 to S-6 | DG Sets of 2500 kVA x 6 | Acoustic Enclosure | 10.00 | HSD 2550 Ltr/Hr | 1 | SO ₂ | 1224 Kg/Day |
| S-7 to S-16 | DG Sets of 2000 kVA x 10 | Acoustic Enclosure | 8.94 | HSD 3400 Ltr/Hr | 1 | SO ₂ | 1632 Kg/Day |
| S-17 to S-20 | DG Sets of 1850 kVA x 4 | Acoustic Enclosure | 8.60 | HSD 1260 Ltr/Hr | 1 | SO ₂ | 604.80 Kg/Day |
| S-21 to S-25 | DG Sets of 1500 kVA x 5 | Acoustic Enclosure | 7.75 | HSD 1275 Ltr/Hr | 1 | SO ₂ | 612 Kg/Day |

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

| | | |
|-------------------------|---------------|------------------------|
| Total Particular matter | Not to exceed | 150 mg/Nm ³ |
|-------------------------|---------------|------------------------|

- 3) The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
- 4) The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
- 5) **Conditions for utilities like Kitchen, Eating Places, Canteens:-**
- The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
 - The toilet shall be provided with exhaust system connected to chimney through ducting.
 - The air conditioner shall be vibration proof and the noise shall not exceed 68 dB(A).
 - The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. higher than the nearest tallest building through ducting and shall discharge into open air in such a way that no nuisance is caused to neighbors.

SCHEDULE-III

Details of Bank Guarantees:

| Sr. No. | Consent(C2E/C2O /C2R) | Amt of BG Imposed | Submission Period | Purpose of BG | Compliance Period | Validity Date |
|----------------|------------------------------|--------------------------|--------------------------|-----------------------------------------------|--------------------------|---------------------------------------------------------------|
| 1 | Consent to Establish | Rs. 25 Lakh | 15 days | Towards Compliance of EC & C to E conditions. | Monthly | Commissioning of the project or 5 years whichever is earlier. |

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.

Existing BG obtained for above purpose if any may be extended for period of validity as above.

BG Forfeiture History

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

BG Return details

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

SCHEDULE-IV

Conditions during construction phase

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

General Conditions:

- 1 The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2 The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act 1986 and Solid Waste Management Rule 2016, Noise (Pollution and Control) Rules, 2000 and E-Waste (Management & Handling Rule 2011.
- 3 Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 4 Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.

- 5 Conditions for D.G. Set
- a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
- 6 Solid Waste - The applicant shall provide onsite municipal solid waste processing system & shall comply with Solid Waste Management Rule 2016 & E-Waste (M & H) Rule 2011.
- 7 Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 8 Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.
- 9 The treated sewage shall be disinfected using suitable disinfection method.
- 10 The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 11 The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.

This certificate is digitally & electronically signed.
