

Date: 23rd December 2022

To,
The CCF, Regional Office, Western Region,
Ministry of Environment, Forests & Climate Change
Regional Office (WCZ), Ground Floor, East Wing,
New Secretariat Building, Civil Lines, Nagpur- 440001

Sub: Submission of Environmental Clearance Compliance Status Report for period **April 2022 - September 2022.**

Ref: Environmental Clearance granted vide letter No. SIA/MH/MIS/122234/2019 dated. 31.03.2020 & Corrigendum in EC vide letter No. SIA/MH/MIS/263709/2022 dated. 27.07.2022.

Respected Sir,

With reference to above subject, we wish to inform you that we have been granted Environmental Clearance for our proposed commercial building project "Waterstones" at CTS No. 1425(pt), 1426, 1590(pt), 1548, 1588(pt), 1466(pt), 1477, 1459, 1462, 1478, 1482, 1492, 1449(pt), 1481, 1494, 1493, 1455, 1460, 1480, 1465(pt), Marol, Andheri (East), Mumbai, Maharashtra by State Level Environment Impact Assessment Authority (SEIAA).

We are submitting six monthly Environmental Clearance Compliance Status Report for the period of **April 2022 - September 2022** along with the relevant document needed for the submission as mentioned below:

- Data sheet
- Compliance Status report
- Post Monitoring Report (**April 2022 - September 2022**)

Hope the above is to your satisfaction.

Thanking you.
Yours faithfully,
For M/s. Mars Hotels and Resorts Pvt. Ltd.

Authorized Signatory

Encl.: As above

Copy to:

1. The Member Secretary, Maharashtra Pollution Control Board, 3rd Floor, Kalpataru Point, Sion, Mumbai- 400 022.
2. Central Pollution Control Board, Parivesh Bhavan, Opp. VNC ward office No. 10, Subhanpura, Vadodara - 390023.

Mars Hotels and Resorts Private Limited

Registered Office: Off International Airport, Approach Road, Marol, Andheri (East), Mumbai-400059.
CIN - U55101MH1994PTC081092.

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🌐 www.waterstoneshotel.com / www.waterstonesclub.com



DATASHEET

PART - I DATA SHEET		
1	Project type: River - Valley/ Mining/ Industry/ Thermal/ Nuclear/ other (specify)	: Others - Construction of Commercial project
2	Name of the project	: "Waterstones" at CTS No. 1425(pt), 1426, 1590(pt), 1548, 1588(pt), 1466(pt), 1477, 1459, 1462, 1478, 1482, 1492, 1449(pt), 1481, 1494, 1493, 1455, 1460, 1480, 1465(pt), Marol, Andheri (East), Mumbai by M/s. Mars Hotels and Resorts Pvt. Ltd.
3	Clearance letter (s)/OM no. and date	: EC F. No. SIA/MH/MIS/122234/2019 dated. 31.03.2020 & Corrigendum in EC vide letter No. SIA/MH/MIS/263709/2022 dated. 27.07.2022.
4	Location	
	(a) District	: Mumbai
	(b) State	: Maharashtra
	(c) Latitude / Longitude	: Latitude: 19°06'22.41"N Longitude: 72°52'39.36"E
5	(a) Address for correspondence	Mr. Henry Dmello M/s. Mars Hotels and Resorts Pvt. Ltd. Off International Airport Approach Road, Marol, Andheri (East), Mumbai 400059. Tel. No. - 09867505204 Email ID - henry.dmello@mars-world.com
6	Salient Features	
	(a) Of the project	: <ul style="list-style-type: none"> Total Plot Area: 36,950.00 Sq. m. FSI Area: 98,619.20 Sq. m. Non FSI area: 39,953.27 Sq. m. Total BUA area: 1,38,572.47 Sq. m Building Configuration: 3 Basements + Ground + 10 Upper Floors
	(b) Of Environmental Management Plans	: <ul style="list-style-type: none"> Sewage Treatment Plant - STP of capacity 440 CMD with MBBR (Moving Bed Bioreactor) technology will be provided at site. Tree Plantation Details - Tree plantation will be carried out on 17,439.00 Sq. m. Rainwater Harvesting - 2 Nos. of RWH tanks of 250 cum capacity each will be provided.



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			<ul style="list-style-type: none"> • Energy Savings - Total 6.81%, By Solar-4.12%.
7	Break-up of the project area		<ul style="list-style-type: none"> • Total Plot Area: 36,950.00 Sq. m. • FSI Area: 98,619.20 Sq. m. • Non FSI area: 39,953.27 Sq. m. • Total BUA area: 1,38,572.47 Sq. m
	(a) Submergence area: forest & non-forest.	:	N.A.
	(b) Others	:	-
8.	Break-up of the project affected population with enumeration of those losing houses /dwelling units only, agricultural land only, both dwelling units & agricultural land & landless labourers /artisan.	:	NA
	(a) SC, ST /Adivasis	:	NA
	(b) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details and years of survey)	:	NA
9.	Financial details		
	(a) Project cost as originally planned and sub-sequent revised estimates and the year of price reference.	:	Project Cost: Rs. 369.52 Crore
	(b) Allocation made for environmental management plans with item wise and year wise break-up.		<p>Environment Management Plan Budgetary Allocation:</p> <p>Construction Phase: Total capital cost: Rs. 290.74 Lakh, Total recurring cost: Rs. 2.00 Lakh/annum.</p> <p>Operation Phase: Total capital cost: Rs. 298.00 Lakh, Total recurring cost: Rs. 39.25 Lakh/annum.</p>
	(c) Benefit cost ratio/Internal rate	:	Yet to finalize



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	of Return and the year of assessment		
	(d) Whether (c) include the cost of environmental management as shown in the above.	:	NA as (C) is yet to finalize.
	(e) Actual expenditure incurred on the project so far	:	Rs. 114 Cr.
	(f) Actual expenditure incurred on the environmental management plans so far	:	Nil
10.	Forest land requirement.	:	Nil
	(a) The status of approval for diversion of forest land for non-forestry use	:	Not applicable.
	(b) The status of clearing felling	:	Not applicable.
	(c) The status of compensatory afforestation, if any	:	Not applicable.
	(d) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far	:	Not applicable.
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information	:	Nil.
12.	Status of construction.		
	a) Date of commencement (Actual and / or planned)	:	August 2019
	b) Date of completion (Actual and/ or planned)	:	Commercial building – December 2024
13.	Reason for the delay if the project is yet to start.	:	--
14.	Dates of site visits		
	(a) The dates on which the project was monitored by the Regional Office on previous occasions, if any	:	--
	(b) Date of site visit for this monitoring report	:	April 2022 - September 2022

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15.	Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits. The first monitoring report may contain the details of all the letters issued so far, but the later reports may cover only the letters issued subsequently.	:	EC F. No. SIA/MH/MIS/122234/2019 dated. 31.03.2020 & Corrigendum in EC vide letter No. SIA/MH/MIS/263709/2022 dated. 27.07.2022.
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Ref Environmental Clearance F. No. SIA/MH/MIS/122234/2019 dated. 31.03.2020 (**Annexure - II**) & Corrigendum in EC vide letter No. SIA/MH/MIS/263709/2022 dated. 27.07.2022 (**Annexure - III**).

To M/s. Mars Hotels and Resorts Pvt. Ltd.

For Proposed commercial building project "Waterstones" at CTS No. 1425(pt), 1426, 1590(pt), 1548, 1588(pt), 1466(pt), 1477, 1459, 1462, 1478, 1482, 1492, 1449(pt), 1481, 1494, 1493, 1455, 1460, 1480, 1465(pt), Marol, Andheri (East), Mumbai.

Status Commercial Building- RCC substructure work in progress.

COMPLIANCE STATUS REPORT

Specific Conditions:		
I.	PP to increase width of Ramp to 9 meters minimum.	Yes, we will increase width of Ramp to 9 meters minimum.
II.	PP to comply all conditions prescribed by CFO.	Yes, we will comply all the conditions prescribed by CFO in CFO NOC for the project. CFO NOC is enclosed as Annexure IV .
III.	PP to ensure that the Vendors shall comply all technical specifications of Jet fans, water Curtain for isolation in underground network.	Noted & agreed.
IV.	In no case the nalla to be covered with RCC slab. If required, it should be covered with gratings of sufficient Strength.	Corrigendum in EC is received from SEIAA & copy of the same is enclosed as Annexure III .
V.	Minimum 6 meter wide unobstructed road to be provided all along the nalla for maintenance of Nalla.	Corrigendum in EC is received from SEIAA & copy of the same is enclosed as Annexure III .
VI.	PP to provide electric charging stations which shall cater minimum 25% number of total capacities of parking area.	Noted & agreed.
VII.	40% STP area to be kept open to Sky for adequate ventilation.	We confirm that 40% of STP tanks are open to sky for adequate ventilation. Section showing location of STP in Basement is enclosed as Annexure - V .
VIII.	The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this	As per ESZ notification dated 14 th October 2021, NOC from competent authority with reference to Thane creek flamingo sanctuary is not applicable since the proposed site falls outside 10 km radius with reference to the Sanctuary.

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	condition before granting CC.	
IX.	EC is restricted to 43.4 m height.	Noted & agreed.
X.	EC is subject to nalla diversion approval from MCGM.	Noted & agreed.
XI.	PP to submit CER as applicable as per MOEF & CC circular dated 1.5.2018 in consultation with Municipal Corporation.	CER was earlier included as per MoEF & Circular Dated 01/05/2018. However, we have now been informed that the said 'MoEF & Circular Dated 01/05/2018' has been expressly superseded (i.e. replaced and rendered void) by OM No.F.No.22-65/2017/IA.III dt. 30/09/2020, and it is inter alia further mandated that the activity proposed by the Project Proponent of prescribed by EAC/SEAC (as the case may be), shall be part of the Environment Management Plan. As stated in the said OM dt. 30/09/20, this OM was issued pursuant to receipt of several representations regarding imposing a percentage of the project cost as CER, and the said OM was also challenged in the High Court. Consequently, CER as per the (superseded) MoEF & Circular Dated 01/05/2018 is not applicable or required to be proposed or undertaken.
XII.	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF&CC vide F.No.22-34/2018-IA.III dt. 04.01.2019.	Yes, we will comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF & CC vide F. No. 22-34/2018-IA.III dt. 04.01.2019.
XIII.	SEIAA decided to grant EC for FSI: 89,020.84 m ² , Non-FSI: 29,081.85 m ² and Total BUA: (1,18,102.69 + existing 20,469.47= 1,38,572.16 m ²) (Plan Approval no- P-3757/2019/(1425(Pt)& ors)/K/Eward/Marol/IOD New dated. 07.01.2020.	Yes, we have received the EC for FSI Area- 89,020.84 m ² , Non-FSI Area: 29,081.85 m ² and Total BUA: (1,18,102.69 + existing 20,469.47= 1,38,572.16 m ²)

General Conditions:

I.	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	Currently, there is no generation of E-Waste on site, if any generated will be disposed as per E- Waste Rules, 2016.
II.	The Occupancy Certificate shall be	Yes, all the facilities will be in place

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	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.	prior to application for OC.
III.	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.	As the site is not within any radius as defined, hence NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life is not applicable.
IV.	PP has to abide by the conditions stipulated by SEAC & SEIAA.	Yes, we will abide to all the conditions stipulated by SEAC & SEIAA.
V.	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	Yes, height & construction built up area of proposed construction is accordance with Permissible FSI norms. IOD & Approved layout Plan is enclosed as Annexure - VI & Annexure - VII respectively. NOC from High Rise Committee is not applicable as the height of the building is less than 70.0 Mts. At present, Airport Authority of India has granted NOC for top elevation is 57.13 m. AMSL, same is enclosed herewith as Annexure - VIII .
VI.	If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.	We have received consent to Establish from MPCB. Vide Consent No. Format 1.0/CAC-CELL/UAN No. 0000087312/CE-2007000038 Dated. 07.07.2020. Copies of the same is enclosed as Annexure - IX .
VII.	All required sanitary and hygienic	Yes, all the sanitary & hygienic measures



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	measures should be in place before starting construction activities and to be maintained throughout the construction phase.	are carried out during construction phase, and they are as under: 1. Safe & clean water for workers. 2. Access to toilets in existing building. 3. Regular disposal of Solid waste to MSW facility. 4. Accumulation of stagnant water is / will be avoided to prevent breeding of mosquitoes. The said measures will be maintained throughout the construction phase. Photographs showing facilities provided for construction workers are enclosed as Annexure - X.
VIII.	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	Adequate drinking water facility is provided for the construction workers at the site. Toilets are provided for construction workers. Bins are provided to dispose the municipal solid waste generated by labour during construction phase. Photographs showing facilities provided for construction workers are enclosed as Annexure - X.
IX.	The solid waste generated should be properly collected and segregated dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	The solid waste generated will be properly collected, segregated and stored separately in two bin system. Non-biodegradable Waste will be managed through recyclers.
X.	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	All construction waste will get collected and segregated properly. Most of that will be reused for the construction activity. Muck will be dried before its final disposal. Copy of SWM NOC is enclosed as Annexure - XI.
XI.	Arrangement shall be made that wastewater and storm water do not get mixed.	Separate drainage line will be provided to prevent mixing of wastewater and storm water.

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XII.	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	Yes, all the topsoil and construction debris will be used for filling the plot and maintaining green belt development.
XIII.	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	Additional soil for leveling of the proposed site will be generated within the site to protect natural drainage system of the area.
XIV.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	<ul style="list-style-type: none"> The green area proposed is 17,439.00 Sq. mt. Accordingly same will be provided as per approved plan. A combination of native evergreen trees and ornamental flowering trees, shrubs and palms are planned in the complex. Species will be selected as per CPCB greenbelt guidelines and common species available in the proposed area.
XV.	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	<p>Regular monitoring of soil and ground water is being carried out at site.</p> <p>Please refer Monitoring Reports enclosed as Annexure - I.</p>
XVI.	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.	There is no generation of any bituminous material or any hazardous material at the site till date & if generated will be disposed as per the MPCB norms.
XVII.	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	There is no generation of hazardous waste at site till date and if generated, will be disposed as per applicable Rules & Norms with necessary approvals of the Maharashtra Pollution Control Board.
XVIII.	The diesel generator sets to be used	Power requirement during construction

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	during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.	phase will be full fill by power supply provided by Adani Electricity.
XIX.	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	Necessary permissions will be taken from concerned authority whenever required.
XX.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	The vehicles hired for bringing construction material at site will have valid PUC. All vehicles are less than 8 years old only. The vehicles used for bringing construction material will be operated only during non- peak hours. PUC certificates is enclosed as Annexure - XII.
XXI.	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.	<p>Following care are taken regarding noise levels with conformation to the residential area.</p> <ol style="list-style-type: none"> 1. Construction activities are limited to daytime hours only. 2. Site is barricaded from all sides. <p>Also, use of Personal Protective Equipment (PPE) like earmuffs and ear plug is done during construction activities.</p> <p>The ambient air and noise reports are enclosed herewith. The reports indicates that the same are within the prescribed norms defined by the concern authority. Monitoring reports are enclosed as Annexure - I.</p>
XXII.	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100 Km of Thermal Power Stations).	Not applicable since there is no thermal plant located within 100 km of thermal power plant.



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XXIII.	Ready mixed concrete must be used in building construction.	Yes, Ready mixed concrete is being used for building construction.
XXIV.	Storm water control and its re-use as per CGWB and BIS standards for various applications,	The harvested rainwater is used for secondary purposes such as flushing and gardening. Details of Rainwater Harvesting System & Storm Water Management is enclosed as Annexure - XIII.
XXV.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Ready mix concrete is being used to reduce water demand during construction phase.
XXVI.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Ground water level and its quality is being monitored regularly. Please refer Monitoring Reports enclosed as Annexure - I.
XXVII.	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/ refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.	Sewage treatment plant of capacity 440 CMD with MBBR technology will be provided. Construction and installation of STP will be carried out through expert consultant. Treated water shall be used for the flushing and Gardening, Landscaping and Green belt area development. After the satisfactory completion of the work, the installation will get certified from independent expert agency and report in this regard will be submitted to the Ministry of Environment, Forest and Climate Change before the project is commissioned for operation.
XXVIII.	Permission to draw ground water and construction of basement if any shall	We are using tanker water for construction activity.



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	be obtained from the competent Authority prior to construction/operation of the project.	
XXIX.	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	Dual plumbing line will be proposed for separation of grey and black water.
XXX.	Fixtures for showers, toilet flushing, and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	Yes, Water efficient fixtures with low flow rates are incorporated in designs and will be used during operation phase.
XXXI.	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	We will be using high performance glass with low E value and high SHGC coefficient. Energy modeling exercise will be conducted to determine the insulation level acceptable as per the code.
XXXII.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement.	The roof insulation will be maintained as per ECBC guidelines. Energy modeling exercise will be conducted to determine the insulation level acceptable as per the code.
XXXIII.	Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed of /sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional	Energy conservation report is enclosed as Annexure - XIV.



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	energy source as source of energy.	
XXXIV.	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	4 Nos. of DG sets of capacity 2500 kVA each will be used as power backup during operation phase, care will be taken that adequate acoustic will be provided to prevent noise and should conform to rules made under Environment (Protection) Act 1986, prescribed for air and noise emission standards.
XXXV.	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 then permissible levels to comply with the prevalent regulations.	Ambient noise levels are maintained well within residential standards. Please refer monitoring report for Noise. Monitoring report is attached as Annexure - I . Adequate measures are taken to reduce ambient air and noise level to confirm to stipulated standards by CPCB/MPCB.
XXXVI.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	Separate entry & exit is provided for Construction vehicles. The transportation of the construction material will be carried out only during non-peak hour. Parking Details: 4 wheelers: 1261 Nos.
XXXVII.	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non- air- conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.	Yes, Opaque wall will meet prescriptive requirement as per Energy Conservation Building Code.
XXVIII.	The building should have adequate distance between them to allow	Yes, building will be constructed in such a way that adequate distance between them



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	movement of fresh air and passage of natural light, air and ventilation.	allow movement of fresh air and passage of light to the residential premises.
XXXIX.	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	Regular supervision done by our site engineer to take care of the construction activity and of the surroundings.
XL.	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Yes, Environmental Clearance is already obtained. Environmental Clearance F. No. SIA/MH/MIS/122234/2019 dated. 31.03.2020 & Corrigendum in EC vide letter No. SIA/MH/MIS/263709/2022 dated. 27.07.2022. Copy of the same is enclosed as Annexure – II & Annexure – III respectively.
XLI.	Six monthly monitoring reports should be submitted to the Regional office MoEF, Nagpur with copy to this department and MPCB.	Yes, six monthly monitoring report is regularly submitted to Regional office MoEF&CC, Nagpur & MPCB, Sion.
XLII.	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.	Yes, all the facilities will be in place prior to occupation of building.
XLIII.	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority	Yes, the wet garbage will get treated in OWC and manure obtained will be used for Plantation/Landscaping.

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	should ensure this.	
XLIV.	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	No occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
XLV.	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	Yes, a complete set of all the documents submitted to Department is forwarded to the MPCB.
XLVI.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Yes, the condition is noted.
XLVII.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Separate environment management cell with qualified staff is formed for implementing the same.
XLVIII.	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These costs shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	<p>EMP cost has been worked out and allocated for all air pollution devices and other facilities.</p> <p>EMP Cost:</p> <p>Construction Phase: Total capital cost: Rs. 290.74 Lakh, Total recurring cost: Rs. 2.00 Lakh/annum.</p> <p>Operation Phase: Total capital cost: Rs. 298.00 Lakh, Total recurring cost: Rs. 39.25 Lakh/annum.</p>
XLIX.	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental	<p>The advertisement is published in Marathi and English language local newspaper.</p> <p>Copy of the same enclosed as Annexure - XV.</p>



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	clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://parivesh.nic.in	
L.	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.	We are regularly submitting six monthly reports to MoEF&CC, Nagpur & MPCB, Sion.
LI.	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Yes, said condition is complied.
LII.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Regular monitoring is being carried out and the results of the same are submitted to concern authority along with the report. Monitoring reports are enclosed as Annexure - I.
LIIL.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated	We are regularly submitting six monthly reports to MoEF&CC, Nagpur & MPCB, Sion.

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Compliance Status Report

	EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.	
LIV.	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	Noted.
1.	The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.	Noted.
2.	In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	Noted & agreed.



Compliance Status Report

3.	The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	Noted.
4.	Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended time to time.	Noted & agreed.
5.	In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.	Noted & agreed.
6.	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.	Noted & agreed.
7.	Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act,	Noted & agreed.

April 2022 – September 2022



Compliance Status Report

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April 2022 – September 2022



LIST OF ANNEXURES

Sr. No.	Annexure	Details
1.	Annexure - I	Monitoring Reports
2.	Annexure - II	Environment Clearance Copy
3.	Annexure - III	Corrigendum in EC
4.	Annexure - IV	CFO NOC
5.	Annexure - V	Location Plan of STP
6.	Annexure - VI	IOD
7.	Annexure - VII	Approved layout Plan
8.	Annexure - VIII	NOC from Airport Authority
9.	Annexure - IX	Consent Copy
10.	Annexure - X	Photographs showing facilities provided for construction workers
11.	Annexure - XI	SWM NOC
12.	Annexure - XII	PUC certificates
13.	Annexure - XIII	Details of rainwater harvesting system & Storm Water Management
14.	Annexure - XIV	Energy conservation report
15.	Annexure - XV	Newspaper Advertisement Copy



ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015&ISO 45001:2018

Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2024

Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222

Tel: 02192 252008, CIN: U74999MH2001PTC132091



Ambient Air Quality Test Report

Ref. No.: AESPL/LAB/A- 22/04/163

Issue Date: 30/04/2022

Name of Client			:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties		
Name of Site			:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri		
Nature of sample			:	Ambient Air		
Location of sample			:	Near Project Gate		
Sample Identification number			:	A- 22/04/163		
Sample Quantity & Container			:	SO ₂ :1 Bottle x 30 ml; NO _x :1 Bottle x 30 ml; PM ₁₀ -1;		
Date of sampling			:	18/04/2022		
Start Time of sampling			:	09:00 hrs		
Sampling period			:	8 hrs		
Environmental condition			:	Climate: Clear	Ambient temp. 31°C	
Date of sample receipt			:	19/04/2022		
Date of sample analysis			:	19/04/2022– 28/04/2022		
Monitored by			:	AESPL Consultancy Division		
Sampling equipment & Calibration status			:	RDS-I-09- calibration on 01/01/2022 due on 31/12/2022 FDS-I-09- calibration on 02/01/2022 due on 01/01/2023		
Project/ Job number			:	Agreement No 4286 dtd 29.03.22		
Reference of sampling			:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation			:	AESPL/LAB/SOP/7.3.1/A-01		
Sr.No.	Parameter	Result	Limits #	Unit	Method of Analysis	
1.	SO ₂	14.7	80 *	µg/m ³	IS 5182 (Part 2) RA2017	
2.	NO ₂	25.2	80 *	µg/m ³	IS 5182 (Part 6) RA2017	
3.	PM ₁₀	67.2	100 *	µg/m ³	IS 5182 (Part 23) RA2017	
4.	PM _{2.5}	23.7	60 *	µg/m ³	IS 5182 (Part 24) 2019	
5.	CO	0.44	04 **	mg/m ³	IS 5182 (part 10) RA2019	

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] annually monitoring values.

Conformity Statement: The monitoring undertaken indicates that Ambient Air Quality Values for monitored parameters are within the levels stipulated under National Ambient Air Quality Standards (NAAQS)2009.

Note:

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only.
4. Decision Rule is applied.
5. The results apply to the sample as received.



Reshma S. Patil

(Authorized Signatory - Pollution & Environment)

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**

Testing Laboratory is certified by **ISO 9001:2015 & ISO 45001:2018**
 Recognized by **MoEFCC** as "**Environmental Laboratory**" valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN:** U74999MH2001PTC132091



TC-7085

Ground Water Quality Test Report**Ref. No.:** AESPL/LAB/W-22/04/259**Issue Date:** 23/04/2022

Name of Client	:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties
Name of site	:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri
Nature of sample	:	Drinking
Location of sample	:	QAQC Office
Sample identification number	:	W-22/04/259
Sample Quantity & Container	:	F-1000 ml; PF
Environmental condition	:	Area: Clean, Water Temp: 25°C, Amb Temp: 34°C
Date of sample Collection	:	18/04/2022
Date of sample receipt	:	19/04/2022
Date of sample analysis	:	19/04/2022 – 22/04/2022
Sample drawn by	:	AESPL Consultancy Division
Sample transported by	:	AESPL Consultancy Division
Project/ Job Number	:	Agreement No 4286 dated 29.03.22
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02
Method of sampling and preservation	:	AESPL/LAB/SOP/7.3.1/W-01

Sr. No.	Parameter	Result	Limits (IS 10500:2012)		Method of Analysis
			Desirable	Permissible	
1.	pH@ 25°C	7.32	6.5 – 8.5	No Relaxation	IS-3025(P-11) RA2017
2.	Colour, Hazen	5.0	5 Max	15 Max	IS-3025(P- 4) RA2017
3.	Odour	Agreeable	Agreeable	Agreeable	IS-3025(P-5) RA2017
4.	Turbidity, NTU	< 2.0	1 Max	5 Max	IS-3025(P-10) RA2017
5.	Chlorides, mg/l	10	250 Max	1000 Max	IS-3025(P-32) RA2019
6.	Fluoride, mg/l	0.32	1.0 Max	1.5 Max	IS-3025(P-60) RA2019
7.	Free ResCl ₂ , mg/l	0.56	0.2 Min	1.0 Min	IS-3025(P-26) RA2019
8.	Iron, mg/l	0.033	1.0 Max	No Relaxation	IS-3025(P-53) RA2019
9.	Hardness, mg/l	50	200 Max	600 Max	IS-3025(P-21) RA2019

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.r.t. above mentioned tests**Note:**

- The test report shall not be reproduced except in full, without written approval of laboratory.
- Results relate only to the items tested.
- Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.
- The results apply to the sample as received.
- Decision Rule is applied.

**Reshma S. Patil****(Authorized Signatory – Pollution & Environment)**

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015 & ISO 45001:2018**Recognized by **MoEFCC** as "**Environmental Laboratory**" valid up to 24.04.2024**Laboratory:** P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222**Tel:** 02192 252008, **CIN:** U74999MH2001PTC132091

TC-7085

Drinking Water Quality Test Report**Ref. No.:** AESPL/LAB/Mw-22/04/243**Issue Date:** 22/04/2022

Report No: AESPL/ LAB/ MW-22/04/243

Issue Date: 22/04/2022

Name of Client	:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties
Name of site	:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri
Nature of sample	:	Drinking water
Location of sample	:	AQC Office
Sample identification number	:	Mw-22/04/243
Sample Quantity & Container	:	250 ml; G
Environmental Condition	:	Area: Clean, Amb. Temp: 34°C
Date of sample drawn	:	18/04/2022
Date of sample receipt	:	19/04/2022
Date of sample analysis	:	19/04/2022 – 20/04/2022
Sample drawn by	:	AESPL Consultancy Division
Sample Transported by	:	AESPL Consultancy Division
Project/ Job number	:	Agreement No 4286 dated 29.03.22
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/M-01

Sr. No.	Parameter	Result	Limit As per IS 10500 -2012	Method of analysis
1	Coliform	Absent/100ml	Absent/100ml	IS:15185-2016
2	E-coli	Absent/100ml	Absent/100ml	IS:15185-2016

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.r.t. above mentioned tests.**Note:**

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. The results apply to the sample as received.

**Pranali N Patil**
(Authorized Signatory - Microbiology)

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015 & ISO 45001:2018**Recognized by **MoEFCC** as "**Environmental Laboratory**" valid up to 24.04.2024**Laboratory:** P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222

Tel: 02192 252008, CIN: U74999MH2001PTC132091



TC-7085

Ground Water Quality Test Report**Ref. No.:** AESPL/LAB/W-22/04/260**Issue Date:** 23/04/2022

Name of Client	:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties
Name of site	:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri
Nature of sample	:	Borewell
Location of sample	:	Near Club Parking area
Sample identification number	:	W-22/04/260
Sample Quantity & Container	:	F-1000 ml; PF
Environmental condition	:	Area: Clean, Water Temp: 25°C, Amb Temp: 34°C
Date of sample Collection	:	18/04/2022
Date of sample receipt	:	19/04/2022
Date of sample analysis	:	19/04/2022 – 22/04/2022
Sample drawn by	:	AESPL Consultancy Division
Sample transported by	:	AESPL Consultancy Division
Project/ Job Number	:	Agreement No 4286 dated 29.03.22
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02
Method of sampling and preservation	:	AESPL/LAB/SOP/7.3.1/W-01

Sr. No.	Parameter	Result	Limits (IS 10500:2012)		Method of Analysis
			Desirable	Permissible	
1.	pH@ 25°C	6.80	6.5 – 8.5	No Relaxation	IS-3025(P-11) RA2017
2.	Colour, Hazen	5.0	5 Max	15 Max	IS-3025(P- 4) RA2017
3.	Odour	Agreeable	Agreeable	Agreeable	IS-3025(P-5) RA2017
4.	Turbidity, NTU	< 2.0	1 Max	5 Max	IS-3025(P-10) RA2017
5.	Chlorides, mg/l	92	250 Max	1000 Max	IS-3025(P-32) RA2019
6.	Fluoride, mg/l	0.32	1.0 Max	1.5 Max	IS-3025(P-60) RA2019
7.	Free ResCl ₂ , mg/l	0.56	0.2 Min	1.0 Min	IS-3025(P-26) RA2019
8.	Iron, mg/l	0.032	1.0 Max	No Relaxation	IS-3025(P-53) RA2019
9.	Hardness, mg/l	304	200 Max	600 Max	IS-3025(P-21) RA2019

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.r.t. above mentioned tests**Note:**

- The test report shall not be reproduced except in full, without written approval of laboratory.
- Results relate only to the items tested.
- Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.
- The results apply to the sample as received.
- Decision Rule is applied.

**Reshma S. Patil****(Authorized Signatory – Pollution & Environment)**

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015 & ISO 45001:2018**Recognized by **MoEFCC** as "**Environmental Laboratory**" valid up to 24.04.2024**Laboratory:** P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222**Tel:** 02192 252008, **CIN:** U74999MH2001PTC132091

TC-7085

Ground Water Quality Test Report**Ref. No.:** AESPL/LAB/Mw-22/04/244**Issue Date:** 22/04/2022

Name of Client		:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties		
Name of site		:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri		
Nature of sample		:	Borewell water		
Location of sample		:	Near Club Parking area		
Sample identification number		:	Mw-22/04/244		
Sample Quantity & Container		:	250 ml; G		
Environmental Condition		:	Area: Clean, Amb. Temp: 34°C		
Date of sample drawn		:	18/04/2022		
Date of sample receipt		:	19/04/2022		
Date of sample analysis		:	19/04/2022 – 20/04/2022		
Sample drawn by		:	AESPL Consultancy Division		
Sample Transported by		:	AESPL Consultancy Division		
Project/ Job number		:	Agreement No 4286 dated 29.03.22		
Reference of sampling		:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation		:	AESPL/LAB/SOP/7.3.1/M-01		
Sr. No.	Parameter	Result		Limit As per IS 10500 -2012	Method of analysis
1	Coliform	Absent/100ml		Absent/100ml	IS:15185-2016
2	E-coli	Absent/100ml		Absent/100ml	IS:15185-2016

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.r.t. above mentioned tests.**Note:**

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. The results apply to the sample as received.

**Pranali N Patil**
(Authorized Signatory - Microbiology)

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015&ISO 45001:2018**Recognized by **MoEFCC** as "Environmental Laboratory" valid up to 24.04.2024**Laboratory:** P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222**Tel:** 02192 252008, **CIN:** U74999MH2001PTC132091

TC-7085

Ambient Noise Quality Test Report**Ref:** AESPL/LAB/N-22/04/53**Report Date:** 20/04/2022

Name of the client	:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties
Name of site	:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri
Monitoring date	:	18/04/2022
Environmental condition	:	Climate Clear Ambient temp. 32°C
Monitored & transported by	:	AESPL
Project/ Job number	:	Agreement No 4286 dt 29.03.22
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-03
Method of sampling	:	IS 9989: RA 2014
Instrument used	:	Noise meter - Centre C-390 SL-I-10
Calibration status	:	Calibrated on 24/12/2021, Calibration due on 23/12/2022

Sr. No.	Location	Noise Day Time dB(A) Leq	Noise Night Time dB(A) Leq
1.	Project Gate	63.2	55.4
2.	Hotel Gate	58.9	45.9
3.	QA QC Office	64.5	50.7
4.	Near Steel Yard - North Side	69.8	56.4
5.	Near Scrap Yard - North Side	71.9	62.8
6.	Near Guest Parking Area	65.1	53.9
7.	Hotel Porch	61.2	51.7
8.	Club Parking	56.8	46.2
9.	Club Porch	54.2	42.5
10.	Silence Zone Area	58.7	40.3
11.	Engg office and plant room CUB	73.3	59.8
12.	Rear Gate	71.9	62.9
13.	Near MG1 North East Corner	72.7	59.4
14.	Near East Side Center Location	73.4	61.2
15.	Near South East Corner (Masjid)	71.5	57.8
16.	Near South Side Commercial Tower	70.5	60.2
Limit as per EP Act for Commercial Area		65	55

Conformity Statement: Noise Levels at some locations were not found to be below the stipulated limits**Note:**

1. The test report shall not be reproduced except in full, without written approval of laboratory
2. Results relate only to the items tested
3. Decision Rule is applied.
4. The results apply to the sample as received.

**Reshma S. Patil.****(Authorized Signatory - Pollution & Environment)**

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015&ISO 45001:2018**Recognized by **MoEFCC** as “**Environmental Laboratory**” valid up to 24.04.2024**Laboratory:** P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222**Tel:**9112844844, **CIN:** U74999MH2001PTC132091

TC-7085

Quality Test Report**Ref. No.:** AESPL/LAB/C/A- 22/07/15**Issue Date:** 13/07/2022

Name of Client			:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties		
Name of site			:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri		
Nature of sample			:	Ambient Air		
Location of sample			:	Near Entry Gate		
Sample Identification number			:	A- 22/07/15		
Sample Quantity			:	SO ₂ :1Bottle x 30 ml; NO _x :1Bottle x 30 ml; PM ₁₀ -1; PM _{2.5} -1; Bladder:1		
Date, Start Time & period of sampling			:	05/07/2022	09:00 hrs	8 hrs
Environmental Condition			:	Climate: Clear; Ambient Temp.:29°C		
Sample Monitored & Transported by			:	AESPL Consultancy Division		
Date of sample receipt			:	06/07/2022		
Date of sample analysis			:	06/07/2022 to 11/07/2022		
Sampling equipment & Calibration status			:	RDS-I-12 Calibrated on 30/05/2022 due on 29/05/2023 FDS-I-12 Calibrated on 30/05/2022 due on 29/05/2023		
Project/ Job number			:	PO. No: 4286 dtd 29.03.22		
Reference of sampling			:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation			:	AESPL/LAB/SOP/7.3.1/A-01		
Sr.No.	Parameter	Result	Limits #	Unit	Method of Analysis	
1.	SO ₂	13.4	80 *	µg/m ³	IS 5182 (Part 2) RA2017	
2.	NO ₂	22.1	80 *	µg/m ³	IS 5182 (Part 6) RA2017	
3.	PM ₁₀	40.6	100 *	µg/m ³	IS 5182 (Part 23) RA2017	
4.	PM _{2.5}	16.3	60 *	µg/m ³	IS 5182 (Part 24) 2019	
5.	CO	0.26	04 **	mg/m ³	IS 5182 (part 10) RA2019	

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values.

Conformity Statement: The monitoring undertaken indicates that Ambient Air Quality Values for monitored parameters are within the levels stipulated under National Ambient Air Quality Standards (NAAQS) 2009.

Note:

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only.
4. The results apply to the sample as received.
5. Decision Rule is applied.

**Reshma S. Patil****(Authorized Signatory – Pollution & Environment)**

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015 & ISO 45001:2018**Recognized by **MoEFCC** as "**Environmental Laboratory**" valid up to 24.04.2024**Laboratory:** P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222**Tel:** 9112844844, **CIN:** U74999MH2001PTC132091

TC-7085

Quality Test Report**Ref. No.:** AESPL/LAB/C/W-22/07/34**Issue Date:** 08/07/2022

Name of Client	:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties
Name of site	:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri
Nature of sample	:	Drinking
Location of sample	:	QAQC Office
Sample identification number	:	W-22/07/34
Sample Quantity & Container	:	F-1000 ml; PF
Date and Time of Sample Drawn	:	Date: 05/07/2022 Time: 04:00 pm
Environmental condition	:	Area: Clean, Water Temp: 24°C, Amb Temp: 29°C
Sample drawn by	:	AESPL Consultancy Division
Sample transported by	:	AESPL Consultancy Division
Date of sample receipt	:	06/07/2022
Date of sample analysis	:	06/07/2022 – 07/07/2022
Project/ Job Number	:	Agreement No 4286 dated 29.03.22
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02
Method of sampling and preservation	:	AESPL/LAB/SOP/7.3.1/W-01

Sr. No.	Parameter	Result	Limits (IS 10500:2012)		Method of Analysis
			Desirable	Permissible	
1.	pH@ 25°C	7.28	6.5 – 8.5	No Relaxation	IS-3025(P-11) RA2017
2.	Colour, Hazen	5.0	5 Max	15 Max	IS-3025(P- 4) RA2017
3.	Odour	Agreeable	Agreeable	Agreeable	IS-3025(P-5) RA2017
4.	Turbidity, NTU	2.0	1 Max	5 Max	IS-3025(P-10) RA2017
5.	Chlorides, mg/l	08	250 Max	1000 Max	IS-3025(P-32) RA2019
6.	Fluoride, mg/l	0.32	1.0 Max	1.5 Max	IS-3025(P-60) RA2019
7.	Free ResCl ₂ , mg/l	0.56	0.2 Min	1.0 Min	IS-3025(P-26) RA2019
8.	Iron, mg/l	0.033	1.0 Max	No Relaxation	IS-3025(P-53) RA2019
9.	Hardness, mg/l	46	200 Max	600 Max	IS-3025(P-21) RA2019

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.r.t. above mentioned tests**Note:**

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.
4. The results apply to the sample as received.
5. Decision Rule is applied.

**Reshma S. Patil****(Authorized Signatory – Pollution & Environment)**

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015 & ISO 45001:2018**Recognized by **MoEFCC** as "**Environmental Laboratory**" valid up to 24.04.2024**Laboratory:** P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222**Tel:** 9112844844, **CIN:** U74999MH2001PTC132091

TC-7085

Quality Test Report**Ref. No.:** AESPL/LAB/Mw- 22/07/79**Issue Date:** 08/07/2022

Name of Client		:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties		
Name of site		:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri		
Nature of sample		:	Drinking		
Location of sample		:	QAQC Office		
Sample identification number		:	Mw- 22/07/79		
Sample Quantity & Container		:	250 ml; G		
Date and Time of sample drawn		:	Date - 05/07/2022	Time – 04.00pm	
Environmental Condition		:	Surrounding is clear		
Sample drawn by		:	AESPL Consultancy Division		
Sample Transported by		:	AESPL Consultancy Division		
Date of sample receipt		:	06/07/2022		
Date of sample analysis		:	06/07/2022 to 07/07/2022		
Project/ Job number		:	Agreement No 4286 dated 29.03.22		
Reference of sampling		:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation		:	AESPL/LAB/SOP/7.3.1/M-01		
Sr. No.	Parameter with unit	Result		Limit as per IS 10500:2012	Method of analysis
1	Coliform/100ml	Absent/100ml		Absent/100ml	IS:15185-2016
2	E-coli/100ml	Absent/100ml		Absent/100ml	IS:15185-2016

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.r.t. above mentioned tests.**Note:**

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. The results apply to the sample as received.



Pranali N. Patil
(Authorized Signatory – Microbiology)

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015 & ISO 45001:2018**Recognized by **MoEFCC** as "Environmental Laboratory" valid up to 24.04.2024**Laboratory:** P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222**Tel:** 9112844844, **CIN:** U74999MH2001PTC132091

TC-7085

Quality Test Report**Ref. No.:** AESPL/LAB/C/W-22/07/35**Issue Date:** 08/07/2022

Name of Client			:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties		
Name of site			:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri		
Nature of sample			:	Borewell		
Location of sample			:	Near Club Parking area		
Sample identification number			:	W-22/07/35		
Sample Quantity & Container			:	F-1000 ml; PF		
Date and Time of Sample Drawn			:	Date : 05/07/2022	Time : 04:10 pm	
Environmental condition			:	Area: Clean, Water Temp: 24°C, Amb Temp: 29°C		
Sample drawn by			:	AESPL Consultancy Division		
Sample transported by			:	AESPL Consultancy Division		
Date of sample receipt			:	06/07/2022		
Date of sample analysis			:	06/07/2022 – 07/07/2022		
Project/ Job Number			:	Agreement No 4286 dated 29.03.22		
Reference of sampling			:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling and preservation			:	AESPL/LAB/SOP/7.3.1/W-01		
Sr. No.	Parameter	Result	Limits (IS 10500:2012)		Method of Analysis	
			Desirable	Permissible		
1.	pH@ 25°C	6.88	6.5 – 8.5	No Relaxation	IS-3025(P-11) RA2017	
2.	Colour, Hazen	5.0	5 Max	15 Max	IS-3025(P- 4) RA2017	
3.	Odour	Agreeable	Agreeable	Agreeable	IS-3025(P-5) RA2017	
4.	Turbidity, NTU	< 2.0	1 Max	5 Max	IS-3025(P-10) RA2017	
5.	Chlorides, mg/l	88	250 Max	1000 Max	IS-3025(P-32) RA2019	
6.	Fluoride, mg/l	0.32	1.0 Max	1.5 Max	IS-3025(P-60) RA2019	
7.	Free ResCl ₂ , mg/l	0.58	0.2 Min	1.0 Min	IS-3025(P-26) RA2019	
8.	Iron, mg/l	0.032	1.0 Max	No Relaxation	IS-3025(P-53) RA2019	
9.	Hardness, mg/l	298	200 Max	600 Max	IS-3025(P-21) RA2019	

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.r.t. above mentioned tests**Note:**

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.
4. The results apply to the sample as received.
5. Decision Rule is applied.

**Reshma S. Patil****(Authorized Signatory – Pollution & Environment)**

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015 & ISO 45001:2018**Recognized by **MoEFCC** as "**Environmental Laboratory**" valid up to 24.04.2024**Laboratory:** P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222**Tel:** 9112844844, **CIN:** U74999MH2001PTC132091

TC-7085

Quality Test Report**Ref. No.:** AESPL/LAB/Mw- 22/07/80**Issue Date:** 08/07/2022

Name of Client		:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties		
Name of site		:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri		
Nature of sample		:	Ground water- borewell		
Location of sample		:	Near Club House		
Sample identification number		:	Mw- 22/07/80		
Sample Quantity & Container		:	250 ml; G		
Date and Time of sample drawn		:	Date - 05/07/2022	Time – 04.10pm	
Environmental Condition		:	Surrounding is clear		
Sample drawn by		:	AESPL Consultancy Division		
Sample Transported by		:	AESPL Consultancy Division		
Date of sample receipt		:	06/07/2022		
Date of sample analysis		:	06/07/2022 to 07/07/2022		
Project/ Job number		:	Agreement No 4286 dated 29.03.22		
Reference of sampling		:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation		:	AESPL/LAB/SOP/7.3.1/M-01		
Sr. No.	Parameter with unit	Result		Limit as per IS 10500:2012	Method of analysis
1	Coliform/100ml	Absent/100ml		Absent/100ml	IS:15185-2016
2	E-coli/100ml	Absent/100ml		Absent/100ml	IS:15185-2016

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.r.t. above mentioned tests.**Note:**

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. The results apply to the sample as received.

**Pranali N. Patil****(Authorized Signatory – Microbiology)**

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015&ISO 45001:2018**Recognized by **MoEFCC** as "Environmental Laboratory" valid up to 24.04.2024**Laboratory:** P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222**Tel:** 9112844844, **CIN:** U74999MH2001PTC132091

TC-7085

Ambient Noise Quality Test Report**Ref:** AESPL/LAB/C/N-22/07/19**Issue Date:** 08/07/2022

Name of the client	:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties
Name of site	:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri
Monitoring details	:	Ambient Noise
Location Details	:	Day /Night Noise level monitoring at periphery of
Sample Identification No	:	N-22/07/19
Date of Sampling	:	05/07/2022
Period of sampling	:	Day & Nighttime
Environmental condition	:	Climate: Clear Ambient temp. 29°C
Monitored & transported by	:	AESPL
Date of Receipt	:	06/07/2022
Sampling Equipment	:	Noise meter - Centre C-390 SL-I-10
Calibration status	:	Calibrated on 24/12/2021, Calibration due on 23/12/2022
Project/ Job number	:	PO No.: 4286 dt 29.03.22
Reference of sampling	:	AESPL/LAB/OR/7.3.3/R-02
Method of sampling	:	IS 9989: RA 2014

Sr. No.	Location	Noise Day Time dB(A) Leq	Noise Nighttime dB(A) Leq
1.	Project Gate	65.3	57.2
2.	Hotel Gate	61.8	50.8
3.	QA QC Office	67.2	53.7
4.	Near Steel Yard - North Side	70.1	58.3
5.	Near Scrap Yard - North Side	73.5	63.1
6.	Near Guest Parking Area	66.9	55.9
7.	Hotel Porch	63.2	56.2
8.	Club Parking	59.8	47.9
9.	Club Porch	59.6	45.8
10.	Silence Zone Area	60.1	42.5
11.	Engg office and plant room CUB	69.8	60.7
12.	Rear Gate	69.5	65.2
13.	Near MG1 Northeast Corner	70.6	60.9
14.	Near East Side Center Location	68.9	62.1
15.	Near Southeast Corner (Masjid)	69.2	59.6
16.	Near South Side Commercial Tower	69.7	60.1
Limit as per EP Act for Commercial Area		65	55

Conformity Statement: Noise Levels at some locations are not found to be below the stipulated limits**Note:**

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2. Results relate only to the items tested
3. Any query related to this report will be entertained within 15 days of the report issue date only.
4. Decision Rule is applied.

**Reshma S. Patil.****(Authorized Signatory - Pollution & Environment)**

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015 & ISO 45001:2018**Recognized by **MoEFCC** as "**Environmental Laboratory**" valid up to 24.04.2024**Laboratory:** P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222**Tel:** 9112844844, **CIN:** U74999MH2001PTC132091

TC-7085

Quality Test Report**Ref. No.:** AESPL/LAB/C/S-22/07/02**Issue Date:** 13/07/2022

Name of Client		:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties	
Name of site		:	Mars Hotels & Resorts Pvt.Ltd (Waterstones) Andheri	
Nature of sample		:	Soil	
Location of sample		:	Onsite	
Sample identification number		:	S-22/07/02	
Sample Quantity & Container		:	1 kg; PG bag & Aluminum container	
Date and Time of Sample Drawn		:	Date: 05/07/2022	Time: 05:00 pm
Environmental Condition		:	Area: Clean, Color: Brown, Amb Temp: 29°C	
Sample drawn by		:	AESPL Consultancy Division	
Sample Transported by		:	AESPL Consultancy Division	
Date of sample receipt		:	06/07/2022	
Date of sample analysis		:	06/07/2022 – 12/07/2022	
Project/ Job number		:	Agreement No 4286 dated 29.03.2022	
Reference of sampling		:	AESPL/LAB/QR/7.3.3/R-02	
Method of sampling & preservation		:	AESPL/LAB/SOP/7.3.1/S-01	
Sr.No.	Parameter with Unit	Result		Method of analysis
1.	pH@ 25°C	6.72		IS 2720 (part 26); RA2011
2.	Conductivity@ 25°C, µS/cm	340.5		IS-14767; RA 2016
3.	Water content, %	4.0		IS 2720 (part 2); RA2015
4.	Organic Carbon, %	0.28		IS 2720 (part 22); RA2015
5.	Available Nitrogen, %	0.0098		AESPL/LAB/SOP/S-06; 07.05.19
6.	Potassium as K, kg/he	80		AESPL/LAB/SOP/S-07; 02.05.18
7.	Available Sulphur, mg/kg	68		AESPL/LAB/SOP/7.2.1.2/S-10; 30.11.19
8.	Calcium; Ca, meq/l	38		AESPL/LAB/SOP/7.2.1.2/S-11; 30.11.19
9.	Magnesium; Mg, meq/l	14		AESPL/LAB/SOP/7.2.1.2/S-12; 30.11.19
10.	Sodium; Na, kg/hector	90		IS 9497: 2015
11.	Zinc as Zn, mg/kg	< 0.04		EPA Method 3050 B.2:1996
12.	Nickel as Ni, mg/kg	< 0.04		EPA Method 3050 B.2:1996
13.	Chromium; Cr, mg/kg	< 0.04		EPA Method 3050 B.2:1996
14.	Iron as Fe, mg/kg	0.38		EPA Method 3050 B.2:1996
15.	Texture, %	Clay	74	AESPL/LAB/SOP/7.2.1.2/S-17; 30.11.19
		Silt	14	
		Fine sand	12	

Note:

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3. Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.
4. The result apply to the sample as received.

**Reshma S. Patil****(Authorized Signatory - Pollution & Environment)**

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015&ISO 45001:2018**Recognized by **MoEFCC** as “**Environmental Laboratory**” valid up to 24.04.2024**Laboratory:** P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222**Tel:**9112844844, **CIN:** U74999MH2001PTC132091

TC-7085

Quality Test Report**Ref. No.:** AESPL/LAB/C/A- 22/10/55**Issue Date:** 22/10/2022

Name of Client			:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties		
Name of site			:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri		
Nature of sample			:	Ambient Air		
Location of sample			:	Near Main Gate		
Sample Identification number			:	A- 22/10/55		
Sample Quantity			:	SO ₂ :1Bottle x 30 ml; NO _x :1Bottle x 30 ml; PM ₁₀ -1; PM _{2.5} -1; Bladder:1		
Date, Start Time & period of sampling			:	15/10/2022	09:00 hrs	8 hrs
Environmental Condition			:	Climate: Clear; Ambient Temp.:29°C		
Sample Monitored & Transported by			:	AESPL Consultancy Division		
Date of sample receipt			:	17/10/2022		
Date of sample analysis			:	17/10/2022 to 21/07/2022		
Sampling equipment & Calibration status			:	RDS-I-13 Calibrated on 30/05/2022 due on 29/05/2023 FDS-I-13 Calibrated on 30/05/2022 due on 29/05/2023		
Project/ Job number			:	PO. No: 4286 dtd 29.03.22		
Reference of sampling			:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation			:	AESPL/LAB/SOP/7.3.1/A-01		
Sr.No.	Parameter	Result	Limits #	Unit	Method of Analysis	
1.	SO ₂	15.4	80 *	µg/m ³	IS 5182 (Part 2) RA2017	
2.	NO ₂	24.9	80 *	µg/m ³	IS 5182 (Part 6) RA2017	
3.	PM ₁₀	64.6	100 *	µg/m ³	IS 5182 (Part 23) RA2017	
4.	PM _{2.5}	22.5	60 *	µg/m ³	IS 5182 (Part 24) 2019	
5.	CO	0.38	04 **	mg/m ³	IS 5182 (part 10) RA2019	

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values.

Conformity Statement: The monitoring undertaken indicates that Ambient Air Quality Values for monitored parameters are within the levels stipulated under National Ambient Air Quality Standards (NAAQS) 2009.

Note:

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2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only.
4. The results apply to the sample as received.
5. Decision Rule is applied.

**Himani P. Joshi****(Authorized Signatory – Pollution & Environment)**

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**

Testing Laboratory is certified by **ISO 9001:2015 & ISO 45001:2018**
 Recognized by **MoEFCC** as "**Environmental Laboratory**" valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 9112844844, **CIN:** U74999MH2001PTC132091



TC-7085

Quality Test Report**Ref. No.:** AESPL/LAB/C/W-22/10/115**Issue Date:** 20/10/2022

Name of Client			:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties	
Name of site			:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri	
Nature of sample			:	Drinking	
Location of sample			:	Near Main Gate	
Sample identification number			:	W-22/10/115	
Sample Quantity & Container			:	F-1000 ml; PF	
Date and Time of Sample Drawn			:	Date: 15/10/2022	Time: 03:00 pm
Environmental condition			:	Area: Clean, Water Temp: 25°C, Amb Temp: 29°C	
Sample drawn by			:	AESPL Consultancy Division	
Sample transported by			:	AESPL Consultancy Division	
Date of sample receipt			:	17/10/2022	
Date of sample analysis			:	17/10/2022 – 19/10/2022	
Project/ Job Number			:	Agreement No 4286 dated 29.03.22	
Reference of sampling			:	AESPL/LAB/QR/7.3.3/R-02	
Method of sampling and preservation			:	AESPL/LAB/SOP/7.3.1/W-01	
Sr. No.	Parameter	Result	Limits (IS 10500:2012)		Method of Analysis
			Desirable	Permissible	
1.	pH@ 25°C	7.23	6.5 – 8.5	No Relaxation	IS-3025(P-11) RA2017
2.	Colour, Hazen	5.0	5 Max	15 Max	IS-3025(P- 4) RA2017
3.	Odour	Agreeable	Agreeable	Agreeable	IS-3025(P-5) RA2017
4.	Turbidity, NTU	2.0	1 Max	5 Max	IS-3025(P-10) RA2017
5.	Chlorides, mg/l	12	250 Max	1000 Max	IS-3025(P-32) RA2019
6.	Fluoride, mg/l	0.32	1.0 Max	1.5 Max	IS-3025(P-60) RA2019
7.	Free ResCl ₂ , mg/l	0.56	0.2 Min	1.0 Min	IS-3025(P-26) RA2019
8.	Iron, mg/l	0.033	1.0 Max	No Relaxation	IS-3025(P-53) RA2019
9.	Hardness, mg/l	48	200 Max	600 Max	IS-3025(P-21) RA2019

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.r.t. above mentioned tests**Note:**

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.
4. The results apply to the sample as received.
5. Decision Rule is applied.

**Himani P. Joshi****(Authorized Signatory - Pollution & Environment)**

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015 & ISO 45001:2018**Recognized by **MoEFCC** as "**Environmental Laboratory**" valid up to 24.04.2024**Laboratory:** P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222**Tel:** 9112844844, **CIN:** U74999MH2001PTC132091

TC-7085

Quality Test Report**Ref. No.:** AESPL/LAB/Mw- 22/10/134**Issue Date:** 19/10/2022

Name of Client		:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties		
Name of site		:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri		
Nature of sample		:	Drinking		
Location of sample		:	Near Main Gate		
Sample identification number		:	Mw- 22/10/134		
Sample Quantity & Container		:	250 ml; G		
Date and Time of sample drawn		:	Date - 15/10/2022	Time - 03.00pm	
Environmental Condition		:	Surrounding is clear		
Sample drawn by		:	AESPL Consultancy Division		
Sample Transported by		:	AESPL Consultancy Division		
Date of sample receipt		:	17/10/2022		
Date of sample analysis		:	17/10/2022 to 18/10/2022		
Project/ Job number		:	Agreement No 4286 dated 29.03.22		
Reference of sampling		:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation		:	AESPL/LAB/SOP/7.3.1/M-01		
Sr. No.	Parameter with unit	Result		Limit as per IS 10500:2012	Method of analysis
1	Coliform/100ml	Absent/100ml		Absent/100ml	IS:15185-2016
2	E-coli/100ml	Absent/100ml		Absent/100ml	IS:15185-2016

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.r.t. above mentioned tests.**Note:**

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. The results apply to the sample as received.

**Pranali N. Patil****(Authorized Signatory – Microbiology)**

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**

Testing Laboratory is certified by **ISO 9001:2015 & ISO 45001:2018**
 Recognized by **MoEFCC** as "**Environmental Laboratory**" valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 9112844844, **CIN:** U74999MH2001PTC132091



TC-7085

Quality Test Report**Ref. No.:** AESPL/LAB/C/W-22/10/116**Issue Date:** 20/10/2022

Name of Client	:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties
Name of site	:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri
Nature of sample	:	Borewell
Location of sample	:	Near water stone Club
Sample identification number	:	W-22/10/116
Sample Quantity & Container	:	F-1000 ml; PF
Date and Time of Sample Drawn	:	Date: 15/10/2022 Time: 03:20 pm
Environmental condition	:	Area: Clean, Water Temp: 25°C, Amb Temp: 29°C
Sample drawn by	:	AESPL Consultancy Division
Sample transported by	:	AESPL Consultancy Division
Date of sample receipt	:	17/10/2022
Date of sample analysis	:	17/10/2022 - 19/10/2022
Project/ Job Number	:	Agreement No 4286 dated 29.03.22
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02
Method of sampling and preservation	:	AESPL/LAB/SOP/7.3.1/W-01

Sr. No.	Parameter	Result	Limits (IS 10500:2012)		Method of Analysis
			Desirable	Permissible	
1.	pH@ 25°C	6.90	6.5 - 8.5	No Relaxation	IS-3025(P-11) RA2017
2.	Colour, Hazen	5.0	5 Max	15 Max	IS-3025(P-4) RA2017
3.	Odour	Agreeable	Agreeable	Agreeable	IS-3025(P-5) RA2017
4.	Turbidity, NTU	< 2.0	1 Max	5 Max	IS-3025(P-10) RA2017
5.	Chlorides, mg/l	84	250 Max	1000 Max	IS-3025(P-32) RA2019
6.	Fluoride, mg/l	0.32	1.0 Max	1.5 Max	IS-3025(P-60) RA2019
7.	Free ResCl ₂ , mg/l	0.56	0.2 Min	1.0 Min	IS-3025(P-26) RA2019
8.	Iron, mg/l	0.032	1.0 Max	No Relaxation	IS-3025(P-53) RA2019
9.	Hardness, mg/l	284	200 Max	600 Max	IS-3025(P-21) RA2019

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.r.t. above mentioned tests**Note:**

- The test report shall not be reproduced except in full, without written approval of laboratory.
- Results relate only to the items tested.
- Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.
- The results apply to the sample as received.
- Decision Rule is applied.

**Himani P. Joshi****(Authorized Signatory - Pollution & Environment)****-End of Test Report-**

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015 & ISO 45001:2018**Recognized by **MoEFCC** as "**Environmental Laboratory**" valid up to 24.04.2024**Laboratory:** P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222**Tel:** 9112844844, **CIN:** U74999MH2001PTC132091

TC-7085

Quality Test Report**Ref. No.:** AESPL/LAB/Mw- 22/10/135**Issue Date:** 19/10/2022

Name of Client		:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties		
Name of site		:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri		
Nature of sample		:	Drinking		
Location of sample		:	Near Main Gate		
Sample identification number		:	Mw- 22/10/135		
Sample Quantity & Container		:	250 ml; G		
Date and Time of sample drawn		:	Date - 15/10/2022	Time – 03.20pm	
Environmental Condition		:	Surrounding is clear		
Sample drawn by		:	AESPL Consultancy Division		
Sample Transported by		:	AESPL Consultancy Division		
Date of sample receipt		:	17/10/2022		
Date of sample analysis		:	17/10/2022 to 18/10/2022		
Project/ Job number		:	Agreement No 4286 dated 29.03.22		
Reference of sampling		:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation		:	AESPL/LAB/SOP/7.3.1/M-01		
Sr. No.	Parameter with unit	Result		Limit as per IS 10500:2012	Method of analysis
1	Coliform/100ml	Absent/100ml		Absent/100ml	IS:15185-2016
2	E-coli/100ml	Absent/100ml		Absent/100ml	IS:15185-2016

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.r.t. above mentioned tests.**Note:**

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. The results apply to the sample as received.

**Pranali N. Patil****(Authorized Signatory – Microbiology)**

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015&ISO 45001:2018**Recognized by **MoEFCC** as “**Environmental Laboratory**” valid up to 24.04.2024**Laboratory:** P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222**Tel:** 9112844844, **CIN:** U74999MH2001PTC132091

TC-7085

Quality Test Report**Ref:** AESPL/LAB/C/N-22/10/52**Issue Date:** 18/10/2022

Name of the client	:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties
Name of site	:	Mars Hotels & Resorts Pvt.Ltd (Waterstone) Andheri
Monitoring details	:	Ambient Noise
Location Details	:	Day /Night Noise level monitoring at periphery of construction
Sample Identification No	:	N-22/10/52
Date of Sampling	:	15/10/2022
Period of sampling	:	Day & Nighttime
Environmental condition	:	Climate: Clear Ambient temp. 29°C
Monitored & transported by	:	AESPL Consultancy Division
Date of Receipt	:	17/10/2022
Sampling Equipment	:	Noise meter - Centre C-390 SL-I-10
Calibration status	:	Calibrated on 24/12/2021, Calibration due on 23/12/2022
Project/ Job number	:	PO No.: 4286 dt 29.03.22
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02
Method of sampling	:	IS 9989: RA 2014

Sr. No.	Location	Noise Day Time dB(A) Leq	Noise Nighttime dB(A) Leq
1.	Project Gate	62.1	57.2
2.	Hotel Gate	59.9	50.9
3.	QA QC Office	65.3	59.8
4.	Near Steel Yard - North Side	70.2	58.2
5.	Near Scrap Yard – North Side	70.5	59.5
6.	Near Guest Parking Area	63.7	52.9
7.	Hotel Porch	62.5	55.2
8.	Club Parking	60.3	50.8
9.	Club Porch	59.2	51.6
10.	Silence Zone Area	58.9	52.3
11.	Engg office and plant room CUB	65.1	56.9
12.	Rear Gate	69.5	59.9
13.	Near MG1 Northeast Corner	68.9	60.1
14.	Near East Side Center Location	69.2	60.9
15.	Near Southeast Corner (Masjid)	68.8	61.2
16.	Near South Side Commercial Tower	69.6	61.5
Limit as per EP Act for Commercial Area		65	55

Conformity Statement: Noise Levels at some locations are not found to be below the stipulated limits
Note:

1. The test report shall not be reproduced except in full, without written approval of laboratory
2. Results relate only to the items tested
3. Any query related to this report will be entertained within 15 days of the report issue date only.
4. Decision Rule is applied.

**Reshma S. Patil.****(Authorized Signatory – Pollution & Environment)**

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015 & ISO 45001:2018**Recognized by **MoEFCC** as "Environmental Laboratory" valid up to 24.04.2024**Laboratory:** P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222**Tel:** 9112844844, **CIN:** U74999MH2001PTC132091

TC-7085

Quality Test Report**Ref. No.:** AESPL/LAB/C/S-22/10/07**Issue Date:** 22/10/2022

Ref No: MS-22/10/07 Issue Date: 22/10/2022

Name of Client		:	Mars Hotels & Resorts Pvt.Ltd - Brookfield Properties	
Name of site		:	Mars Hotels & Resorts Pvt.Ltd (Waterstones) Andheri	
Nature of sample		:	Soil	
Location of sample		:	Onsite	
Sample identification number		:	S-22/10/07	
Sample Quantity & Container		:	1 kg; PG bag & Aluminum container	
Date and Time of Sample Drawn		:	Date: 15/10/2022	Time: 04:00 pm
Environmental Condition		:	Area: Clean, Color: Brown, Amb Temp: 29°C	
Sample drawn by		:	AESPL Consultancy Division	
Sample Transported by		:	AESPL Consultancy Division	
Date of sample receipt		:	17/10/2022	
Date of sample analysis		:	17/10/2022 – 22/10/2022	
Project/ Job number		:	Agreement No 4286 dated 29.03.2022	
Reference of sampling		:	AESPL/LAB/QR/7.3.3/R-02	
Method of sampling & preservation		:	AESPL/LAB/SOP/7.3.1/S-01	
Sr.No.	Parameter with Unit	Result		Method of analysis
1.	pH@ 25°C	6.88		IS 2720 (part 26); RA2011
2.	Conductivity@ 25°C, µS/cm	352.8		IS-14767; RA 2016
3.	Water content, %	4.2		IS 2720 (part 2); RA2015
4.	Organic Carbon, %	0.26		IS 2720 (part 22); RA2015
5.	Available Nitrogen, %	0.0094		AESPL/LAB/SOP/S-06; 07.05.19
6.	Potassium as K, kg/he	80		AESPL/LAB/SOP/S-07; 02.05.18
7.	Available Sulphur, mg/kg	64		AESPL/LAB/SOP/7.2.1.2/S-10; 30.11.19
8.	Calcium; Ca, meq/l	38		AESPL/LAB/SOP/7.2.1.2/S-11; 30.11.19
9.	Magnesium; Mg, meq/l	12		AESPL/LAB/SOP/7.2.1.2/S-12; 30.11.19
10.	Sodium; Na, kg/hector	80		IS 9497: 2015
11.	Zinc as Zn, mg/kg	< 0.04		EPA Method 3050 B.2:1996
12.	Nickel as Ni, mg/kg	< 0.04		EPA Method 3050 B.2:1996
13.	Chromium; Cr, mg/kg	< 0.04		EPA Method 3050 B.2:1996
14.	Iron as Fe, mg/kg	0.30		EPA Method 3050 B.2:1996
15.	Texture, %	Clay	76	AESPL/LAB/SOP/7.2.1.2/S-17; 30.11.19
		Silt	12	
		Fine sand	12	

Note:

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.
4. The result apply to the sample as received.

**Himani P. Joshi****(Authorized Signatory - Pollution & Environment)**

-End of Test Report-

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/MIS/122234/2019
 Environment Department
 Room No. 217, 2nd Floor,
 Mantralaya, Mumbai- 400032.
 Date: 31.03.2020.

To,
Mars Hotels & Resorts Private Limited.
 Off International Airport Approach Road, Marol,
 Andheri (East), Mumbai -400059

Subject : Environment Clearance for "Waterstones" – proposed commercial building at plot bearing CTS No. 1425(pt), 1426, 1590(pt), 1548, 1588(pt), 1466(pt), 1477, 1459, 1462, 1478, 1482, 1492, 1449(pt), 1481, 1494, 1493, 1455, 1460, 1480, 1465(pt) Marol, Andheri (East), Mumbai by M/s. MARS HOTELS AND RESORTS PRIVATE LIMITED

Reference : Application no. SIA/MH/MIS/122234/2019

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC - 2 in its 129th meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 194th meeting of State Level Environment Impact Assessment Authority (SEIAA).

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

Description	Details
PP submitted the details of project as follows-	
• Plot area	: 36,950.00sq. m.
• FSI	: 98,619.20 m ²
• Non-FSI	: 39,953.27 m ²
• Total Built Up Area	: 1,38,572.47 m ²
• Building Configuration	: 3 Basements + Ground + 10 Upper Floors
• Total Population	: 10,381
• Water Requirement	: 676 cmd (Fresh Water: Domestic: 269 cmd + Recycled Water: Flushing: 208 cmd + HVAC Cooling: 187 cmd + Gardening: 12 cmd)
• Sewage Generation	: 431 cmd
• STP capacity & Technology	: 440 cmd based on MBBR technology
• STP Location	: Upper and Middle Basement Level
• RG Required & Provided	: Required-4500.00 sq. m& provided: 17,439.00 sq. m., Mother Earth: 15,137.00 sq. m., Podium: Nil

- Energy Requirement: During Construction Phase: 500 kVA. During Operation Phase: Connected Load: 9828.32 kW, Demand Load: 6546 kW
- Energy Saving (total): Total 16.81%, By Solar- 4.12%
- No. of DG Set and Capacity: 4 nos. of DG sets of capacity 2500 kVA each
- Solid waste generation : 2,077 kg/day Biodegradable waste Generation: 831 kg/day
- OWC Capacity: 1000 kg/day
- Parking: 4-Wheeler: Proposed: 1261 nos. (Required: 1240 nos.), 2-Wheeler: -
- EMP Cost: Construction Phase: Total capital cost: Rs. 290.74 Lakh, Total recurring cost: Rs. 2.00 Lakh/annum. Operation Phase: Total capital cost: Rs. 298.00 Lakh, Total recurring cost: Rs. 39.25 Lakh/annum.
- Rainwater Harvesting: 2 RWH tanks of 250 cum capacity each
- Details of UG Tanks: 2 Fire tanks of 190 cum capacity each, 2 raw water tanks of 143 cum capacity each, 2 Domestic water tanks of 143 cum capacity each.
- CER: CER cost = Rs. 2.77 Crore (0.75% of capital investment i.e. Rs. 3,69,52,37,868/-) Proposed duration of spending amount for CER: 6 years Activity-wise cost allocation: Improvement of DP Road of a stretch of 250 m, including resurfacing, creation of pedestrian pathways and plantation with shrub / tree guards: Rs. 1,10,80,000 (40%) Up gradation of school facilities of Municipal Schools as suggested by Municipal Commissioner in K/East Ward: Rs. 83,10,000 (30%) Sanitation facilities: Rs. 83,10,000 (30%) Letter of CER implementation plan (dated 18th December 2019) as above is submitted to MCGM.

3. The proposal has been considered by SEIAA in its 194th meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

- I. PP to increase width of Ramp to 9 meters minimum.
- II. PP to comply all conditions prescribed by CFO.
- III. PP to ensure that the Vendors shall comply all technical specifications of Jet fans, water Curtain for isolation in underground network.
- IV. In no case the nalla to be covered with RCC slab. If required it should be covered with gratings of sufficient Strength.
- V. Minimum 6 meter wide unobstructed road to be provided all along the nalla for maintenance of Nalla.
- VI. PP to provide electric charging stations which shall cater minimum 25% number of total capacities of parking area.
- VII. 40% STP area to be kept open to Sky for adequate ventilation.
- VIII. The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
- IX. EC is restricted to 43.4 m height.

- X. EC is subject to nalla diversion approval from MCGM.
- XI. PP to submit CER as applicable as per MOEF & CC circular dated 1.5.2018 in consultation with Municipal Corporation.
- XII. PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.
- XIII. SEIAA decided to grant EC for FSI: 89020.84 m2, Non-FSI: 29081.85 m2 and Total BUA: (1,18,102.69 + existing 20469.47 = 1,38,572.16 m2) (Plan Approval no- P-3757/2019/(1425(Pt)& ors)/K/Eward/Marol/IOD New dated. 07.01.2020.

General Conditions:

- I. E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
- II. The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.
- III. This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
- IV. PP has to abide by the conditions stipulated by SEAC& SEIAA.
- V. The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
- VI. If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
- VII. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- VIII. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- IX. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.
- X. Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- XI. Arrangement shall be made that waste water and storm water do not get mixed.
- XII. All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- XIII. Additional soil for 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.
- XIV. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- XV. Soil and ground water samples will be tested to ascertain that there is no threat to ground water

quality by leaching of heavy metals and other toxic contaminants.

- XVI. Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
- XVII. Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
- XVIII. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
- XIX. The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
- XX. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- XXI. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.
- XXII. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).
- XXIII. Ready mixed concrete must be used in building construction.
- XXIV. Storm water control and its re-use as per CGWB and BIS standards for various applications.
- XXV. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- XXVI. The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.³
- XXVII. The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/ refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
- XXVIII. Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
- XXIX. Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.
- XXX. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- XXXI. Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
- XXXII. Roof should meet prescriptive requirement as per Energy Conservation Building Code by using

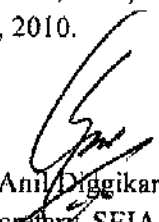
appropriate thermal insulation material to fulfil requirement.

- XXXIII. Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed of /sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.
- XXXIV. Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
- XXXV. Noise should be controlled to ensure that it does not exceed the prescribed standards. During 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.
- XXXVI. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
- XXXVII. Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.
- XXXVIII. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- XXXIX. Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
- XL. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.
- XLI. Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.
- XLII. Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.
- XLIII. Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.
- XLIV. Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
- XLV. A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
- XLVI. In the case of any change(s) in the scope of the project, the project would require a fresh

appraisal by this Department.

- XLVII. A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
 - XLVIII. Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
 - XLIX. The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://parivesh.nic.in>
 - L. Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
 - LI. A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
 - LII. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
 - LIII. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
 - LIV. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended time to time.
8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D - Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


Anil Diggikar
(Member Secretary, SEIAA)

Copy to:

1. Shri Johnny Joseph, Chairman, SEIAA.
2. Secretary, MoEF & CC
3. IA- Division MOEF & CC
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office MoEF & CC, Nagpur
6. District Collector, Mumbai.
7. Commissioner, Municipal Corporation of Greater Mumbai
8. Regional Officer, Maharashtra Pollution Control Board, Mumbai.

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/MIS/263709/2022
Environment & Climate
Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To

M/s.Mars Hotels and Resorts Pvt Ltd.,
CTS No. 1425(Pt), 1426, 1590 (Pt), 1548,
1588(Pt), 1466(Pt), 1477, 1459, 1462, 1478,
1482, 1492, 1449(Pt), 1481, 1494, 1493, 1455,
1460, 1480, 1465(Pt), 1474(Pt), 1458, 1432(Pt),
1552(Pt), 1549, 1475, 1454, 1451, 1461, 1429, 1431,
1476, 1550, 1428, 1463, 1456, 1453, 1430, 1452, 1464(Pt),
Village Marol, Off International Airport Approach Road,
Andheri (East), Mumbai.

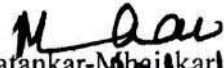
Subject : Corrigendum in earlier EC for "Waterstones" – proposed commercial building at plot bearing CTS No. 1425(Pt), 1426, 1590 (Pt), 1548, 1588(Pt), 1466(Pt), 1477, 1459, 1462, 1478, 1482, 1492, 1449(Pt), 1481, 1494, 1493, 1455, 1460, 1480, 1465(Pt), 1474(Pt), 1458, 1432(Pt), 1552(Pt), 1549, 1475, 1454, 1451, 1461, 1429, 1431, 1476, 1550, 1428, 1463, 1456, 1453, 1430, 1452, 1464(Pt), Village Marol, Off International Airport Approach Road, Andheri (East), Mumbai by M/s.Mars Hotels and Resorts Pvt Ltd.

Reference : Application no. SIA/MH/MIS/263709/2022

This has reference to your communication on the above-mentioned subject. You have Environment Clearance dated 31/03/2020. Now, you have applied for Corrigendum to correct the following specific Conditions in the EC letter dated 31/03/2020 -

- In no case the nalla to be covered with RCC slab. If required it should be covered with gratings of sufficient strength.
- Minimum 6 Mtr. wide unobstructed road to be provided all along the nalla for maintenance of nalla.

Proposal was considered by SEIAA in its 246th (Day-1) meeting and SEIAA decided to grant corrigendum in the specific conditions of the EC letter dated 31.03.2020 as per the remarks from MCGM. All the other conditions in the EC dated 31.03.2020 shall remain the same.


Manisha Patankar-Mhaskar
(Member Secretary, SEIAA) 27/7/2022

MUNICIPAL CORPORATION OF GREATER MUMBAI
MUMBAI FIRE BRIGADE

Sub.: Revised fire protection and fire fighting requirements for proposed High Rise Commercial & Residential Hotel building plot bearing C.T.S. No. 1425(pt), 1426(pt), 1428 to 1431, 1432(pt), 1449(pt), 1451 to 1456, 1458 to 1463, 1464(pt), to 1466(pt), 1474(pt), 1475 to 1478, 1480 to 1482, 1492 to 1494, 1548, 1549, 1550(pt), 1552(pt), 1588(pt), 1590(pt) of village Marol and S. No. 110/2(pt), 117/2(pt), 118/11(pt), 122/2(pt), 123/1 & 2(pt), 3 to 7, 124/1, 2(pt), & 8 (pt), 125/5(pt), 6 to 11(pt), 126/1,2, 4 to 6, 88 & 9, 127/2 & 6(pt), 3 to 5, 128/2 to 6, 132/2(pt) of village Marol, Andheri (E), Mumbai-400099.

Ref.- Online File No. P-3757/2019/(1425(pt.) And Other)/K/E Ward/MAROL/CFO/1/Amend, dated 30.07.2020, by Architect Ameet Pawar.

E.E.(B.P.)W.S.

In this case please refer to the NOC issued by this office vide No. FB/HR/WS/18, dated-15.07.2009, stipulating fire protection & fire fighting requirements for the proposed construction of High-rise residential building having lower & upper basement + ground floor + 06 upper floors with a total height of 26.90mtrs. from general ground level up to terrace level.

Further, revised online N.O.C. was issued by this office vide No. CE/6287/WS/AK-CFO/1/New, dated- 26.01.2020 stipulating fire protection & fire fighting requirements for the proposed construction of high rise commercial building having 03 level basement floor (-13.50mtrs.) for parking with ramp & services + ground floor part on stilt + 1st to 10th upper floors with a total height of 43.50mtrs. from general ground level up to terrace level & Architect has also proposed the space for D.G. set has been provided on East side courtyard of the building.

Now, Architect has changed the planning of the building & uploaded the revised plans for approval. As per the plans, Architect has proposed high rise Commercial & Residential Hotel building comprising of two buildings designated as Commercial Building & Residential Hotel Building. **Commercial building** comprising of two wings i.e. Wing 'A' & 'B'. Both wings are having 03 level basements (-13.50mtrs.) common for Commercial & Hotel wings will be used for services & car parking + ground floor + 1st to 10th upper floors for office use + terrace for amenities with a total height of **50.70mtrs.** from general ground level up to **top of fitness centre & restaurant**. Each floor of Commercial Wing 'A' & 'B' are interconnecting by staircase as well as linking bridge at 2nd, 4th, 6th, 8th & 10th floors. **Residential Hotel Building** is having 03 level basements (-13.50mtrs.) common for Commercial & Hotel buildings will be used for services & car parking + ground floor + 1st to 11th upper floors for Hotel use with a total height of

44.70mtrs. from general ground level up to terrace level & Architect has also proposed the D.G. sets stack upon each other with a height of 21.01mtrs. has been provided on East side courtyard of the building as shown on plans.

Three level Basements (depth -13.50mtrs.): The proposed 03 level basements (Total depth -13.50mtrs. from 0.00mtr. level) common for Commercial & Residential Hotel buildings will be used for stack & puzzle car parking accessible by 7.50 to 10.00mtrs. wide two ramps. Basements also used for services. Basements are having lighted & ventilated mechanically as well as naturally through ventilation cut out/shaft and side ventilators as well as mechanical ventilation as shown in the plan.

THE FLOOR-WISE USER OF COMMERCIAL BUILDING IS AS UNDER.

Floor	User	
	Wing 'A'	Wing 'B'
3 rd basement (-13.50mtrs. level)	Common for Commercial & Residential Hotel buildings having 02 tier stack & puzzle car parking accessed by two ramps each of 7.50 to 10.00 mtrs. wide two way ramp + HVAC plant room + elevator panel room + 04nos. of electrical panel rooms + hot water pump room + 03nos. of utility service rooms etc.	
2 nd basement (-9.10 mtrs. level)	Common for Commercial & Residential Hotel buildings having 02 tier stack & puzzle car parking accessed by two ramps each of 7.50 to 10.00mtrs. wide two way ramp + U.G. tanks + pump room + 04nos. of electrical panel rooms + 02nos. of utility service rooms for commercial + toilet + 03nos. of utility service rooms + STP + Utility services/ hot water system for Hotel area, etc.	
1 st basement (-4.70mtrs. level)	Common for Commercial & Residential Hotel buildings having 02 tier stack & puzzle car parking accessed by two ramps each of 7.50 to 10.00mtrs. wide two way ramp + U.G. tanks + 04nos. of electrical panel rooms + dry type sub-station + battery room + panel room + wet & dry garbage rooms + e-waste room + 01no. of utility service rooms for commercial + FTTH area + FTTH area + utility services for hotel area + driver's toilet + Fire & Safety + car parking panel, etc.	
Ground floor	Market + restaurant + triple height entrance lobby + retail + 02nos. of electrical rooms + RMU for substation + clinic + facility office + 02nos. of AHU rooms + 03nos. of conference & meeting rooms + pre-function area + fire control room + café + tele room + entrance lobby for 'A' & 'B' wing + store room + services + shop + 03nos. of F & B with kitchen + gymnasium + crèche + garbage room + security room + loading-unloading area + toilets	
1 st floor	Club/ office/ lounges along with AHU & pantry, store rooms, toilets, electrical rooms etc + retail + food court with 02nos. of AHU, kitchen, 02nos. of store rooms + electrical room, toilets etc.	
2 nd floor	02nos. of offices with AHU, reception area, pantry, electrical room, toilets for each office, + part terrace	01no. of office with AHU, reception area, pantry, electrical room, store rooms, toilets etc. + part terrace
3 rd , 5 th , 7 th & 9 th	03nos. of offices with AHU,	02nos. of offices with AHU,

floors	reception area, store rooms, pantry, electrical room, toilets etc. on each floor	reception area, store rooms, pantry, electrical room, toilets etc. on each floor
4 th , 8 th & 10 th floors	03nos. of offices with AHU, reception area, store rooms, pantry, electrical room, toilets etc. on each floor	02nos. of offices with AHU, reception area, store rooms, pantry, electrical room, toilets etc. on each floor
6 th floor	02nos. of offices with AHU, reception area, store rooms, pantry, electrical room, toilets etc. + refuge area	01no. of office with AHU, reception area, store rooms, pantry, electrical room, toilets etc. + refuge area
Terrace	Open to sky (treated as refuge area) + Fitness centre + MEP equipments area + landscape area + overhead water storage tank +	Open to sky (treated as refuge area) + Restaurant & pantry + toilets + MEP equipments area + overhead water storage tank

FLOOR WISE USERS OF RESIDENTIAL HOTEL BUILDING IS AS UNDER:

Floors	Users
3 rd basement (-13.50mtrs. level)	Common for Commercial & Residential Hotel buildings having 02 tier stack & puzzle car parking accessed by two ramps each of 7.50 to 10.00mtrs. wide two way ramp + HVAC plant room + elevator panel room + 04nos. of electrical panel rooms + hot water pump room + 03nos. of utility service rooms etc.
2 nd basement (-9.10 mtrs. level)	Common for Commercial & Residential Hotel buildings having 02 tier stack & puzzle car parking accessed by two ramps each of 7.50 to 10.00mtrs. wide two way ramp + U.G. tanks + pump room + 04nos. of electrical panel rooms + FTTH I/C room + FTTH O/C room staff room & toilet + 03nos. of utility service rooms + STP + Utility services/ hot water system for Hotel area, etc.
1 st basement (-4.70mtrs. level)	Common for Commercial & Residential Hotel buildings having 02 tier stack & puzzle car parking accessed by two ramps each of 7.50 to 10.00mtrs. wide two way ramp + U.G. tanks + 04nos. of electrical panel rooms + dry type substation + battery room + panel room + wet & dry garbage rooms + e-waste room + 03nos. of utility service rooms for commercial + utility services for hotel area + driver's toilet + Fire & Safety + car parking panel, etc.
Ground floor	02nos. of Hotel BOH + fire control room + garbage room + record room + time office + luggage room + service room + electrical / L.V. room + hotel lobby etc.
Service floor	Service area
1 st to 5 th & 7 th to 11 th floors	04nos. of suits + laundry/ store room + maids room + AHU room + pantry + ele./L.V. room etc. on each floor
6 th floor	03nos. of suits + maids room + AHU room + ele./L.V. room + refuge area
Terrace	Open to sky (treated as refuge area)

REFUGE AREA:

Refuge areas are provided for Commercial & Residential Hotel Building as under –

Buildings	Wings	Floors	Required	Proposed	Height
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					from gr. level
Commercial	Wing 'A'	6 th floor	989.22sq.mtrs.	992.58sq.mtrs.	25.50mtrs.
	Wing 'B'	6 th floor	767.69sq.mtrs.	768.61sq.mtrs.	25.50mtrs.
Residential Hotel		6 th floor	153.90sq.mtrs.	154.09sq.mtrs.	24.90mtrs.
In addition to above, terrace each building/wing will be treated as refuge area. E.E.(B.P.)W.S. shall verify the refuge area calculation. Excess Refuge area if any, shall be counted in F.S.I. as per DCPR 2034.					

THE OPEN SPACES:

The proposed building is accessible by 9.15mtrs. wide Existing D.P. Road on North side & 18.30mtrs. wide Existing D.P. Road on East side, as shown on plans.

Commercial Building	
Sides	From building line to plot boundary
North	13.53mtrs. to 20.32mtrs.
South	Attached to Residential Hotel Building
West	11.44mtrs. to 24.64mtrs. including paved R.G. & R.G.
East	8.00mtrs. to 17.07trs. including R.G. & covered Nalla

Residential Hotel Building	
Sides	From building line to plot boundary
North	Attached to Commercial Building
South	6.17mtrs. to 8.08mtrs. paved R.G. + R.G.
West	24.64mtrs. to 30.22mtrs. including R.G.
East	9.00mtrs. to 18.88mtrs. including covered Nalla, paved R.G. & covered Nalla
Architect has shown open space including 3.20mtrs. wide proposed box Nalla drain at East side. However, Architect has agreed to cover the Nalla by means of RCC construction for maneuvering the fire engine such that it is suitably strong to bear the load of the fire engine weighing up to 48 m. tones each with a point load of 10 kgs./sq. cms. Necessary permission shall be obtained from SWD (Storm Water Drains) department.	

THE DETAILS OF STAIRCASES & LIFTS:

Buildings	Wing	Staircase description	Width of staircase	Nos. of staircase	Type of staircase
Commercial	'A'	Leading from 3 rd basement to 10 th floor.	1.60mtrs	03nos.	Enclosed
		Leading from 3 rd basement to terrace level.	1.60mtrs	02nos.	Enclosed
	'B'	Leading from 3 rd basement to terrace level.	1.60mtrs	02nos.	Enclosed
		Leading from 3 rd basement to 10 th floor	1.60mtrs	01no.	Enclosed
Residential Hotel	Leading from 3 rd basement to 11 th floor		1.60mtrs	01no.	Enclosed
	Leading from 3 rd basement to terrace level		1.60	01no.	Enclosed

Internally located staircases of the Commercial & Residential Hotel buildings are pressurized and externally located staircases of the Commercial & Residential Hotel buildings are adequately ventilated to outside air as shown on plans. Staircases of the basements having smoke check lobby at basement & shall be staggered at ground floor and then diverted to upper floor, as shown on plans.

Lifts provided are as under;

Buildings	Win g	Lifts Type	Profile	Nos
Commercial	'A'	Passenger	Leading from lower basement to top floor level	02nos .
		Passenger	Leading from ground floor to top floor	12nos .
		Passenger	Leading from ground floor to 1 st floor	01no. .
	'B'	Passenger	Leading from 3 rd basement to top floor	02nos .
		Passenger	Leading from ground floor to top floor	10nos .
		Passenger	Leading from ground floor to terrace level	02nos .
		Passenger	Leading from 3 rd basement to 1 st floor	03nos .
Residential Hotel		Passenger	Leading from 3 rd basement to top floor	02nos .
		Passenger	Leading from ground floor to top floor	02nos .

One of the lift from each lift bank of each building shall be converted into fire lift. The lift lobby & common corridor at each floor level of each building are internally located & pressurized as shown on plans. The lift lobby at each basement level shall be pressurized and separated from the rest of the basement areas, by a smoke-actuated fire resisting door of two hours' fire resistance, as shown on the plan

ESCALATOR:

No. of Escalator	Details
01	Leading from ground to 1 st floor
01	Leading from ground to 1 st floor

THE DETAILS OF RAMPS :

No. of ramps	Width	Details
02	Two way of 7.50mtr. to 10.00mtrs.	Leading from ground floor to 3 rd basement

The proposal has been considered favorably taking into consideration the following:

- N.O.C. for the proposal was already issued u/r. no. FB/HR/WS/18, dated-15.07.2009 & CE/6287/WS/AK-CFO/1/New, dated-26.01.2020.

- b. The proposed building is accessible by 9.15mtrs. wide Existing D.P. Road on North side & 18.30mtrs. wide Existing D.P. Road on East side, as shown on plans.
- c.
- d. Provided mechanical light and ventilation as well as natural ventilation to the basement.
- e. The building will be protected with advance in built fire fighting system such as wet riser, hydrant system, fire alarm & fire detection system & sprinkler system, public address system, BMS system etc.
- f. Additional stand by pump to all the fire fighting systems is recommended along with regular fire, sprinkler, jockey and booster pump.
- g. The fire resistance rating for staircase F.R.D., Lift lobby / protected lobby & the lift doors as per N.B.C. provisions.
- h. Feasible active and passive fire protection and fire fighting requirements or any additional fire recommendation/requirements if any for proposed building will be recommended in future from Mumbai Fire Brigade Officer before final occupation.

In view of above, as far as this department is concerned there is no objection for the construction of a proposed high rise Commercial & Residential Hotel building comprising of two buildings designated as Commercial Building & Residential Hotel Building. **Commercial building** comprising of two wings i.e. Wing 'A' & 'B'. Both wings are having 03 level basements (-13.50mtrs.) common for Commercial & Hotel wings will be used for services & car parking + ground floor + 1st to 10th upper floors for office use + terrace for amenities with a total height of 50.70mtrs. from general ground level up to **top of fitness centre & restaurant**. Each floor of Commercial Wing 'A' & 'B' are interconnecting by staircase as well as linking bridge at 2nd, 4th, 6th, 8th & 10th floors. **Residential Hotel Building** is having 03 level basements (-13.50mtrs.) common for Commercial & Hotel buildings will be used for services & car parking + ground floor + 1st to 11th upper floors for Hotel use with a total height of 44.70mtrs. from general ground level up to terrace level & Architect has also proposed the D.G. sets stack upon each other with a height of 21.01mtrs. has been provided on East side courtyard of the building as shown on plans, signed in token of approval, subject to satisfactory compliance of the following requirements;

All the fire safety measures stipulated earlier vide N.O.C. u/n. CE/6287/WS/AK-CFO/1/New, dated-26.01.2020 shall be treated as cancelled.

1. ACCESS:

- i) Entrance gates of not less than 6.00 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 4.50 mtrs.
- ii) There shall not be any of the trees obstructing maneuvering of fire appliances.
- iii) All access & fire tender access should be free of encumbrances.

2. COURTYARDS:

- i) The available courtyards/ open space, drive way, paved R.G., proposed box nalla drain on all the sides of the building shall be paved, suitably to bear

the load of fire engines weighing up to 48 m. tones each with point load of 10 kgs./sq. cms.

- ii) All the courtyards shall be in one plane and mandatory open space shall be clear of any obstructions including tree.
- iii) The courtyards shall be kept free from obstruction at all times.

3. STAIRCASE: (for Commercial & Residential Hotel Building)

- i) The flight width of staircases shall be maintained as shown in the enclosed plans.
- ii) 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.
- iii) Permanent vent at the top equal to 5% of the cross sectional area of the staircase shall be provided. The roof of the shaft shall be at least 01.00 above the surrounding roof.
- iv) Openable sashes or R.C.C. grills with clear opening of not less than 0.5 sq.mtrs. per landing on the external wall of the staircase shall be provided.
- v) Internally located staircases & lobbies shall be pressurized.
- vi) There shall be no glazing or glass bricks in any internal enclosing wall of a staircase.
- vii) If the staircase is in the core of the building and cannot be ventilated at each landing, a positive pressure of 5 mm. water gauge by an electrically operated blower shall be maintained.
- viii) The mechanism for pressuring the staircase shall be so installed that it operates automatically and also manually when the automatic fire alarm operates
- ix) No combustible material shall be kept or stored in staircase / passage.

4. CORRIDOR/LIFT LOBBY: (for Commercial & Residential Hotel Building)

- i) Corridor & lift lobby at each floor level shall be naturally/mechanically ventilated.
- ii) The common corridor & lift lobby at each floor level shall be kept free from obstructions at all times.
- iii) Proper signages for way to staircase, escape routes, staircase, floor nos. etc. shall be provided at each floor of building.
- iv) Portable lights / instant lights shall be provided at strategic locations in the staircase and lift lobby.
- v) The lift lobbies in the basement & upper floors shall be enclosed and shall be pressurized with positive air pressure of 5mm W.G.

5. STAIRCASE AND CORRIDOR LIGHTINGS: (for Commercial & Residential Hotel Building)

- i) 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 fire fighting staff at any time irrespective of the position of the individual control of the light points, if any.
- ii) Staircase and corridor lighting shall also be connected to alternate supply.
- iii) Double throw switches should be installed 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.

- iv) Emergency lights shall be provided in the staircases/corridors.

6. ENTRANCE DOORS & EXIT/ENTRANCE STAIRCASE: (for Commercial & Residential Hotel Building)

- i) Each office & room entrance doors shall be of solid core having fire resistance of not less than one hour (solid wood of 45 mm thickness.)
- ii) Rolling shutters for shops shall be having fire resistance of not less than one hour.
- iii) The fire resistance rating for staircase F.R.D., Lift lobby / protected lobby & the lift doors as per N.B.C. provisions.
- iv) Internal layout of the offices, compartmentation, office cabin, interior design etc. shall be got approved from C.F.O's dept. for each office on each floor before final occupation.
- v) Server room / UPS room shall be segregated from other rooms by siporex partition wall and shall be provided with Inert gas/FM-200 with fire detection system with standby cylinders with provision of main standby selectors suited and entire system shall be well maintained and kept in good working conditions and report to that effect shall be maintained.
- vi) Intercommunicating doors between any two occupancies shall be of one hour fire resistance and shall be of self closing type.

07. ELECTRIC CABLE SHAFTS, SERVICES & METER ROOM:(for Commercial & Residential Hotel Building)

- i) Electric cable shafts shall be exclusively used for electric cables and should not open in staircase enclosure.
- ii) Inspection doors for shafts shall have two hours fire resistance.
- iii) Electric shafts shall be sealed at each floor level with non combustible materials such as vermiculite concrete. No storage of any kind shall be done in electric shaft.
- iv) Electric wiring/ cable shall be non-toxic, non-flammable, low smoke hazard having copper core / fire resistance for the entire building with provision of ELCB/MCB.
- v) Electric meter room shall be provided at upper basement & shall be adequately ventilated & easily accessible. Emergency electric switch shall be provided at ground floor level.
- vi) Electric wiring shall be having copper core having the fire resistance and low smoke hazard cables for the entire bldg., with the provision of ELCB/MCB. Low and medium voltage wiring running in shaft and in false ceiling should run in separate conduits.
- vii) Water mains, telephone lines, intercom lines, gas pipes or any other service line should not be laid in the duct for electrical cables; use of bus bar/solid rising mains instead of cables is preferred.
- viii) Separate circuits for fire fighting pumps, lifts, staircases and corridor lighting and blowers for pressurizing system 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.
- ix) Master switches controlling essential service circuits shall be clearly labeled

08. FALSE CEILING(if provided):(for Commercial & Residential Hotel Building)

False ceiling if provided in the building shall be of non combustible material. Similarly, the suspenders of the false ceiling shall be of non combustible materials.

09. MATERIALS FOR INTERIOR DECORATION/FURNISHING:(for Commercial & Residential Hotel Building)

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

10. LIFTS: (for Commercial & Residential Hotel Building)

A. PASSENGER LIFT:

- i) The walls enclosing the lift shafts shall have a fire resistance of not less than two hours.
- ii) Shafts shall have permanent vents at the top not less than 1800 m. m. (0.2 sq. m.) in clear area. Lifts motor rooms should preferably be sited at the top of the shaft and shall be separated from lift shafts by the enclosing wall of the shaft or by the floor of the motor rooms.
- iii) Landing doors in lift enclosures shall open into the ventilated or pressurized corridor/lobby and shall have fire resistance of not less than one hour.
- iv) The number of lifts in one lift bank shall not exceed four. The shaft for the fire lift in a lift bank shall be separated from each other by a brick masonry or R.C.C. wall of fire resistance of not less than two hours. Lift car doors shall have fire resistance of not less than one hour.
- v) One passenger lift in each lift bank shall be converted into fire lift as per rules.
- vi) The lift machine room shall be separate and no other machinery shall be installed therein.

B. FIRE LIFT:

- i) Walls enclosing lift shafts shall have two hours fire resistance.
- ii) The shafts shall have permanent vent equal 0.2 sq.mtr. clear area under the Lift Machine room.
- iii) Landing doors and lift car doors shall be of steel shuttered type with one hour fire resistance. No collapsible shutters shall be provided.
- iv) 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.
- v) The lift shall have a floor area of not less than 1.4 sq. mtrs. with a minimum dimension of 1.12 mtrs. It shall have loading capacity of not less than 545 k.g. (8persons lift) with automatic closing doors.
- vi) There shall be an alternate electric supply of an adequate capacity apart from 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.
- vii) The operation of fire lift should be by a simple toggle or two button switch 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. This lift can be used by the occupants in normal times.

- viii) The words 'Fire lift' shall be conspicuously displayed in florescent paint on the lift landing door at each floor level.
- ix) Except Service Lifts, one lift from each lift bank shall be converted into Fire Lifts conforming to relevant regulations.

11. 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.

12. CAR PARKING:

- i) Car parking shall be permitted in the designated area.
- ii) 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.
- ii) 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.
- iii) 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.
- iv) Repairing / servicing of cars, use of naked light shall not be permitted in the car parking areas.
- v) The driveway shall be properly marked & maintained unobstructed

A) PUZZLE/STACK CAR PARKING :-

- a) Structural design shall be of steel construction.
- b) Vertical deck separation having multi-car parking level, vertical separation between the upper & 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.
- c) Elements of the stacked car parking structure shall have 1 hr. fire resistance.
- d) Each car parking deck shall have 1 hr. fire resistance.
- e) Parking area shall be accessible by trained staff when carrying out the maintenance work.
- f) The parking system is to be ceased during the maintenance operation.
- g) Automatic sprinkler system shall be provided in car parking area.

B) RAMPS FOR BASEMENTS:

- i) The Access Ramp as shown in plan provided entry at the ground level.
- ii) The gradient of ramp shall be as per DCPR-2034..

13. BASEMENT:

- i) Each Basement shall be used for designated purpose only.
- ii) Vents with cross, sectional area (Aggregate) not less than 2.5 percent of the floor area shall be provided in the form of cut outs / grills or breakable stall boards lights or pavement lights or by way of shafts.
- iii) Basement shall be provided with natural ventilations through the cut outs as per enclosed plan.
- iv) The staircases of the basement shall be of enclosed type and entry to basement areas shall be through one-hour fire resistance self-closing door provided in the enclosed wall of the staircase and through cut off lobby.
- v) In additions to the natural ventilation, 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.
- vi) The ducts of the mechanical ventilations system shall be of substantial metal gauge as per the relevant I.S. standard.
- vii) Exhaust duct shall be provided to draw out exhaust at ground level of the basement.
- viii) Suitable signages shall be provided in the basement showing exit direction, way to exits etc.
- ix) The proposed wet risers of the building shall be extended to basement.
- x) Staircase and lift lobby shall have illuminated by inverter operated exits signs with IP 54 enclosure. Luminance of the signage's shall be such that they are visible from a distance of 12 to 16 meters.
- xi) 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.
- xii) Ventilation system shall start automatically on actuation of detector provided in the basement area.
- xiii) Exhaust duct, mechanical ventilation duct should not pass through exit routes.

- xiv) 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 or water curtains of 2 hrs fire resistance.
- xv) The basement beyond building line shall be paved, suitably to bear the load of fire engines weighing upto 48 m. tones each with point load of 10 kgs./sq. cms.

14. SMOKE MANAGEMENT SYSTEM:

- 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 at least 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.

15. UTILITY:

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

16. 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.

17. KITCHEN AREAS:

- i) Entry to the kitchen areas shall be through fire resisting self closing door of one hour fire resistance.
 - ii) 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.
 - i) The exhaust duct shall be provided with grease free ventilators to avoid accumulation of carbon soot and condensed oil vapors.
 - ii) Necessary permission from Medical Officer of Health/C.F.O. for location of kitchen & use of fuel shall be obtained.
- A) Necessary License under Section 394 of BMC Act shall be obtained from concerned ward authorities and CFO's Department for running of cafeteria/restaurant/food court and all other licensable trade activities before commissioning the trade activity.
- B) The heating system in the pantry shall be by means of electrical energy only that is other fuel such as kerosene oil, liquid petroleum gas, CNG etc. shall not be permitted to be used on the premises.

18. 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.

19. FIRE FIGHTING REQUIREMENTS:

- A) UNDERGROUND WATER STORAGE TANKS : (separate for each building)**
- Underground water storage tanks each of 1,50,000 ltrs., capacity shall be provide for Commercial & Residential Hotel building 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 : (for each external staircase, each building)

A tank of 30,000 ltrs., capacity shall be provided on terrace level of each wing, each building. The design shall be got approved from H.E.'s department prior to erection. The tank 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: (for each wing, each building)

Wet riser cum down comer of internal dia. of 15 cms. of G.I. 'C' Class pipe shall be provided with hydrant outlet & hose reel at each floor as shown on the plan. Pressure reducing discs or orifices shall be provided at lower level, so as not to exceed the pressure of 5.5 kgs. per sq. cms. The wet risers shall be extended from lower basement up to terrace level.

D) FIRE SERVICE INLET:

- i) A fire service inlet on the external face of the building near the tank directly fronting the courtyards shall be provided to connect the mobile pump of the fire service to (a) The wet riser & (b) 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 : (for each wing, each building)

Automatic sprinkler system shall be provided in entire Commercial & Residential Hotel building including each room, each office, each shop, each F & B., market, restaurant, café, each fire control room, clinic, in lift lobby, common corridor at each floor level, club, food court, each garbage room, meeting room, all basements, etc.. As per the standards laid down by TAC or relevant IS specification.

F) AUTOMATIC SMOKE DETECTION SYSTEM: (for each wing, each building)

Automatic smoke detection system shall be provided in each suits, each room, each office, each shop, each food court, each F & B, café, each electrical room, maids room, each electric meter room, fire control room, clinic, club & lift machine room, common corridor at each floor level, & electric shaft on each floor & above/below false ceiling along with response indicator; same should be connected to main control panel on ground floor level, as per IS specification.

G) FIRE CURTAIN: (for basement)

- i) The fire curtain or 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 2 hours fire resistance.
- ii) Fire curtain shall operate on activation of Detector/ suppression system or automatically of that particular zone.

H) RATE OF RISE DETECTORS:

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

I) FIRE PUMP, SPRINKLER PUMP AND JOCKEY PUMP: (separate for commercial & residential building) & BOOSTER PUMP (for each wing, each building)

- (i) Wet-riser shall be connected to a fire pump at ground level of capacity of not less than 2400 liters/min. 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 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) ON/OFF switch panel of all pumps shall be installed on ground floor level.
- (vi) All above pump should be surface mounted or vertical turbine type pump (submersible type pump not permitted) with adequate size of pump room.
- (vii) Hose box with two hoses of length 50 feet standard size and branch shall be equally distributed near wet riser landing valve on ground floor area.
- (viii) Operating switches for booster pumps shall be also provided in glass fronted boxes in lift lobbies on each floor at terrace at easily accessible place.
- (ix) All the pumps shall be TAC norms or complied to NFPA-20

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.

K) ALTERNATE SOURCE OF POWER SUPPLY:

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

L) PORTABLE FIRE EXTINGUISHERS: (for each wing, each building)

- (i) Dry chemical powder type fire extinguisher of 9kgs. capacity having B.I.S. certification mark and two bucket filled with dry clean sand shall be kept at the entrance of electric meter room, in lift machine room, restaurant, etc.
- (ii) Dry chemical powder type fire extinguisher of 6kgs capacity having B.I.S. certification mark and two buckets filled with dry clean sand shall be kept for every 100sq.mtrs. in each basement at prominent places.
- (iii) Dry chemical powder type fire extinguisher of 6kgs. capacity having B.I.S. certification mark shall be kept on each floor level & refuge area.
- (iv) Dry chemical powder type fire extinguisher of 6kgs. capacity having B.I.S. certification mark shall be kept in each shop, food court, F & B, kitchen etc at prominent place.

M) FIRE FIGHTING REQUIREMENTS AT THE CONSTRUCTION STAGE OF BUILDING: (for each wing, each 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 15 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 200 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.

N) FIRE ALARM SYSTEM / FIRE DETECTION SYSTEM: (for each building)

- a) The building shall be provided with intelligent 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).
- b) 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.
- c) All basements, podiums shall be provided with intelligent multi sensor 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.
- d) Appropriate fire detection system shall be installed in kitchen area.
- e) Access control system, close circuit cameras shall be installed in the entire building & connected to B.M.S. control at reception.

O) PUBLIC ADDRESS SYSTEM: (for each wing, each building)

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

P) SIGNAGES: (for each wing, each building)

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

Q) BREATHING APPARATUS SETS: (for each wing, each building)

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 refuge area in consultation with C.F.O.

R) DETECTOR SYSTEM: (for each wing, each building)

L.P.G. / P.N.G. detector system shall be installed in kitchen area of each building.

S) FIRE DRILLS / EVACUATION DRILLS:

Fire Drills and evacuation drills shall be conducted regularly in consultation with Mumbai Fire Brigade and log of the same shall be maintained.

T) FIRE CONTROL ROOM: (for each building)

- a) Separate Fire Control room as marked in plan, with well qualified man power shall be established on ground floor.
- b) Plan of each floors indicating means of egress as well escape shall be maintained.
- c) Control panel of fire safety system shall be located in the control room.
- d) The size of the control room shall be in accordance with the MEP consultant for the project.
- e) The location of control room shall be kept at the main entrance gate to directing fire appliances responding to any emergency.

20. SERVICE DUCT:

- 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 non combustible materials such as vermiculite concrete. No storage of any kind shall be done in the shaft.

21. BUILDING MANAGEMENT SYSTEM: (for each building)

- i) The entire building should be provided with intelligent, properly designed / programmed building management system having its main control at near reception on ground floor.
- ii) Addressable wireless standalone system with connectivity to nearby fire station shall be provided.

22. ELECTRIC SUB-STATION (DRY TYPE):

- a) Only dry type substation/transformers shall be installed.
- b) Entire installation of substation including switchgear room, capacitors, transformer etc. shall be confirmed to the Indian Electric Act/Rules in practice.
- c) Cables in the cable trenches shall be coated with fire retardant material.
- d) Automatic built-in circuit breakers shall be provided in the substation/transformer.
- e) The door of the sub-station shall be of two hours fire resistance.
- f) The capacity of the sub-station shall be as per service provider's requirement.
- g) All parts of switch gear and transformer are to be examined frequently and carefully for signs of overheating, tracking etc.
- h) The substation/transformer area shall be kept prohibited and no unauthorized person shall be allowed to enter in the area.
- i) Ventilation shall be provided at the ceiling level.
- j) H.V./L.V. cable ducts shall be as per Indian Electricity Rules.
- k) The danger signage on the substation with the electric voltage load.
- l) 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.

23. D.G.SET:

- i) D.G. Set with appropriate change over switch shall be provided for fire pumps, sprinkler pump, booster pump, staircase and corridor lighting circuits, manual fire alarm system & Fire lift.
- ii) For proposed D.G. Set acoustic enclosure will be provided for safe operation.
- iii) Entire installation of D.G. Set shall be confirming to the indian electrical act/rules & practice.
- iv) A deep tray shall be kept under the fuel tank of the D.G. Set to collect the spillage & same shall be disposed off daily without fail.
- v) Cable in the cable trenches shall be coated with fire retardant material.
- vi) Electrical wiring shall be having copper core having the fire resistant and low smoke hazards cables for the entire building with the provision of ELCB/MCB.
- vii) In electrical installation of the building shall be provided for vertical electrical shaft with feeder pillar box of a gap of every 24 mtrs. Height of the building.
- viii) Adequate air and ventilation for switchgear room is essential to prevent condensation of moistures.
- ix) The capacity of the D.G. Set shall be as per requirements.
- x) D.G. Set shall be properly grounded.
- xi) Exhaust of D.G. Set shall not be directed in to the exit/entrance of any adjoining structure.
- xii) Sand bed of 6 inches thickness shall be provided below D.G. Set.
- xiii) Electrical cable of D.G. Set shall be FRLS type.
- xiv) Adequate quantity of diesel shall be stored in its original container near D.G.Set, away from electrical switches of source of ignition.
- xv) Automatic built in circuit breaker shall be provided to the D.G. Set.
- xvi) Rubber pad shall be provided to the D.G. Set for absorbed vibrations if any.
- xvii) The D.G. Set area shall be kept prohibited and no un authorized shall be allow to enter the area.
- xviii) Structural stability of the building regarding absorption of the vibration of D.G. Set shall be checked by Structural engg. Before installation of the D.G. Set.
- xix) Two foam type fire extinguisher of 9 ltrs. Capacity each with ISI certification mark coupled with 4 buckets filled with dry, clean sand shall be kept in the D.G. Set cabin.

24. REFUGE AREA: (for each wing, each building)

- (A) Refuge area provided 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.
 - c) The refuge area shall have a door which 'shall be painted or fixed with a sign in luminous paint mentioning "**REFUGE AREA**"
 - d) The lift/s shall not be permitted to open into the refuge areas.
 - e) 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.
- iii) Facilities to be provided at refuge area
Adequate emergency lighting facility shall be provided.

iv) **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.**

TERRACE STAIRCASE:

- i) The staircase door shall be provided in the following manner;
- ii) The top half portion of the doors shall be provided with louvers.
- iii) The latch-lock shall be installed from the terrace side at the height of not more than 1 mtrs.
- iv) The glass front of 6 inch diameter with the breakable glass shall be provided just above the latch lock, so as to open the latch incase of an emergency by breaking the glass.
- v) The door shall either be fitted with magnetic lock connected to console & detection system or shall be synchronized with fire detection and alarm system.

25. **GLASS FAÇADE: (if provided): (for each building)**

- i) Architect should earmark conspicuously the glass wall either by sign or in words, on the plans submitted at the time of submission of proposal.
- ii) The said wall including doors frame work if any should be one hour fire resistance and shall satisfy stability, integrity and insulation characteristics for the fire resistance period given.
- iii) Plastic or any combustible film shall not be coated on external or internal face of the wall.
- iv) An opening to the glass façade of min. width 1.50 mtrs. and height 1.50 mtrs. shall be provided at every floor at a level of 1.20 mtrs. from the flooring facing compulsory open space as well as on road side. Minimum one such opening shall be provided at the interval of every 15 mtrs. 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. Such openable panels shall be marked conspicuously so as to easily identify the openable panel from outside.
- v) Distance between the external wall (glass/brick) and glass façade shall not be more than 300 mm.
- vi) 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.

- vii) Glass façade blocking the area of staircase, lift lobby and corridor shall be kept openable, pressurized system of the staircase/lobby shall be synchronized with opening mechanism.
- viii) The glazing used for the façade shall be of toughened glass as per I.S. 2553-part I satisfying stability criteria.
- ix) Automatic Dry type water curtain/sprinklers located within 600mm of glass facade shall be provided at every floor level from inside of the façade.
- x) 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 can be pop out type or bottom hinged provided with fusible link opening mechanism and shall also be integrated with automatic Smoke Detection system.

OR

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

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

Earlier, the Party had earlier paid the Scrutiny fees of Rs.1,78,700/-, vide Receipt No.0840729 dated 09.07.2009, & certified the built up area of 17,870 sq. mtrs. as certified by the Architect vide his letter.

Further, the Party had paid Additional Scrutiny fees of Rs.63,32,350.00/-, vide Online Receipt No.CHE/BP/35709/19, dated 06.12.2019, & certified the total built up area of 1,22,850.00 sq. mtrs. as certified by the Architect vide his letter dated 04.12.2019.

Now, the Architect has paid additional Scrutiny fee of Rs.13,07,210/- vide Online Receipt No.CHE/BP/41449/20, dated 20.06.2020 and Rs.8,26,243/- vide Online Receipt No.CHE/ /41748/20, dated 08.07.2020, as per revised rates & total gross built-up area of 146517.00 sq.mtrs. as certified by the Architect.

However, **E.E.(B.P.)W.S.** is requested to verify the total built up area & inform this Department for the purpose of levying additional Scrutiny fee, if any.

Note for E.E.(B.P.) W.S. & Architect:

- i) The fire-fighting installation shall be carried-out by licensed approved agency.
- ii) The area calculation shown in the plan shall be checked by the **E.E.(B.P.) W.S.**
- iii) **E.E.(B.P.) W.S. shall verify the proposal as per DCPR-2034.**
- iv) The width of the abutting road / Access road, Open spaces mentioned in this N.O.C. are as per plans submitted by the Architect, attached herewith. These parameters shall be verified by **E.E.(B.P.) W.S.** before granting any permission.
- v) This N.O.C. is issued for the proposed building from Fire Risk / Fire Safety point of view only. The plans approved along with this N.O.C. are approved from Fire Risk / Fire Safety point of view only. Approval of this plan does not mean in any way of allowing construction of the building. It is the

Architect / Developer's responsibility to take necessary prior approval from all concerned competent authorities for the proposed construction of the building.

- vi) Necessary permission for any licensable activity shall be obtained from concerned department & M.C.G.M.'s/C.F.O.'s department till then shall not be allowed to use.
- vii) There is no tree located in compulsory open spaces.
- viii) The area size to consult with MEP Consultant for the sprinkler system, detection system, fire alarm system, wet riser system, public address system, electrical duct, etc. to be verified & comply.
- ix) This N.O.C. is issued from the fire risk point of view only without prejudice to legal matters pending in Court of Law, if any.
- x) Natural ventilation provided for the basement, shall be verified by **E.E.(B.P.)W.S.**
- xi) Architect has shown open space including 3.20mtrs. wide proposed box Nalla drain at East side. However, Architect has agreed to cover the Nalla by means of RCC construction for maneuvering the fire engine such that it is suitably strong to bear the load of the fire engine weighing up to 48 m. tones each with a point load of 10 kgs./sq. cms. Necessary permission shall be obtained from SED (Storm Water Drains) department.

Kaitan
Francis
Disouza

Digitally signed by Kaitan Francis
Disouza
DN: c=IN, o=Municipal Corporation
of Greater Mumbai, ou=Mumbai Fire
 Brigade, postalCode=400008,
u=MAHARASHTRA,
serialNumber=685735115647648b,
cn=Kaitan Francis
Disouza
Date: 2020.08.03 17:32:21 +05'30'

Div. Fire Officer
(Scrutinized & prepared by)

Sanjay
Yeshwant
Manjrekar

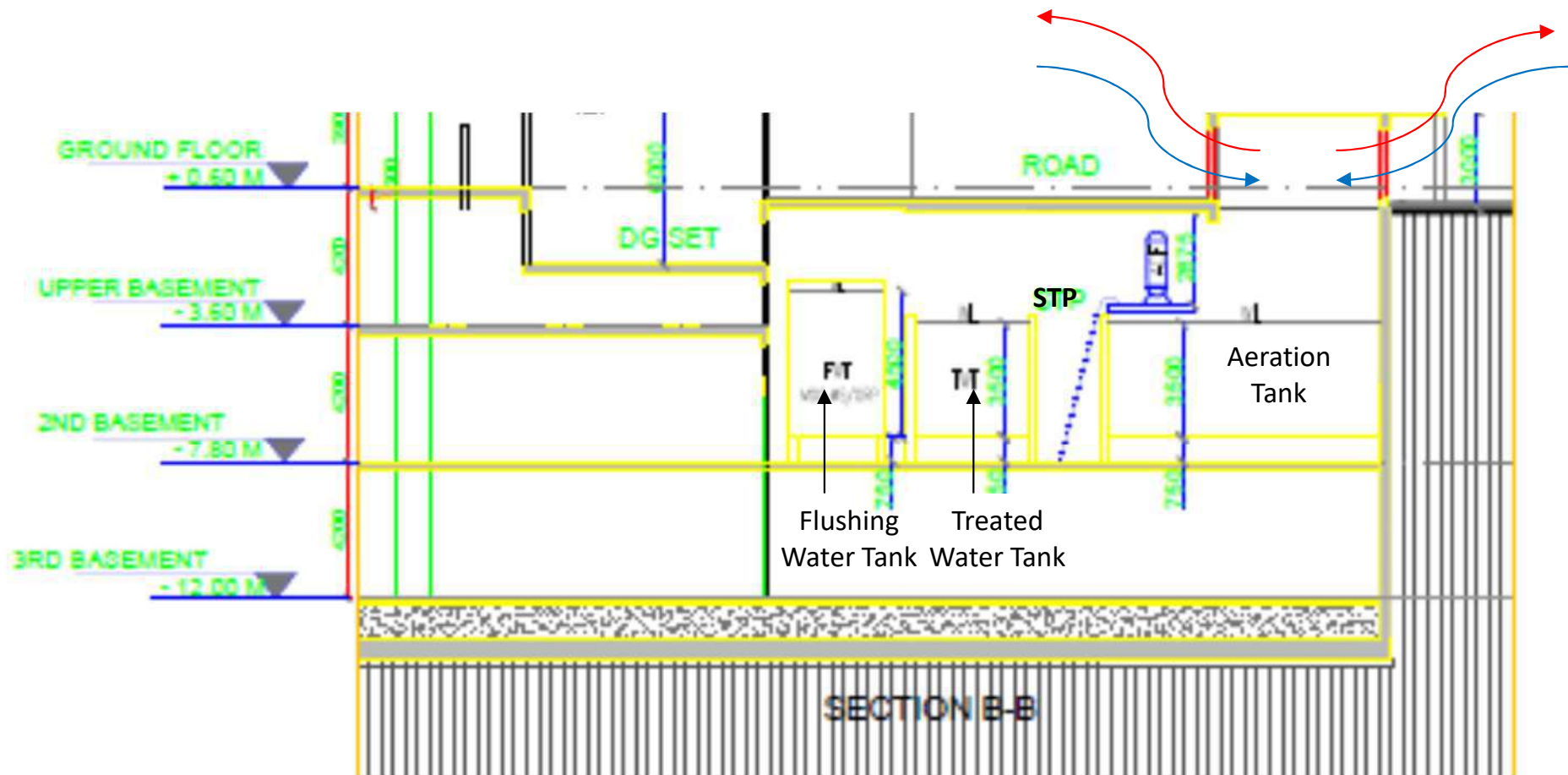
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Date: 2020.08.04 19:43:29 +05'30'

Dy. Chief Fire Officer
(Approved by)

Point-8: 40% STP area to be kept open to sky for adequate ventilation.

Submission:

- We confirm that 40% of STP tanks are open to sky for adequate ventilation.



Section showing location of STP in Basement (Provision for ventilation = 40%)



MUNICIPAL CORPORATION OF GREATER MUMBAI

Intimation of Disapproval under Section 346 of the Mumbai Municipal Corporation Act, as amended up to date.

No. P-3757/2019/(1425(pt.) And Other)/K/E
Ward/MAROL/IOD/1/New

MEMORANDUM

Municipal Office,
Mumbai

To,

Mr. Mahavir Jain, M/s. Mars Hotels & Resorts Private Limited.

Off International Airport Approach Road, Marol, Andheri (E), Mumbai-400 059.

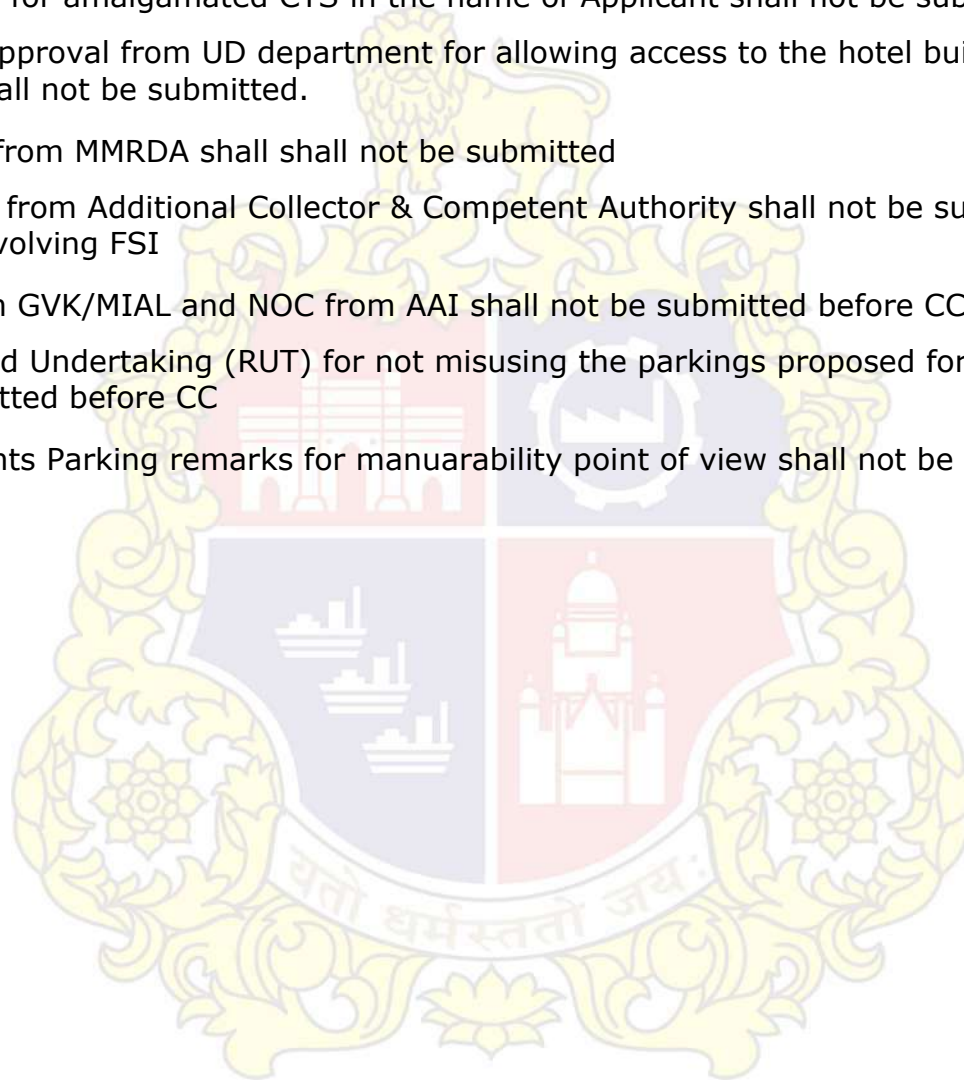
With reference to your Notice 337 (New) , letter No. 6247 dated. 7/10/2019 and the plans, Sections Specifications and description and further particulars and details of your buildings at Proposed development on land bearing C.T.S. Nos. 1425(pt.),1426, 1590(pt.), 1548, 1588(pt.), 1466(pt.), 1477, 1459, 1462, 1478, 1482, 1492, 1449(pt.), 1481, 1494, 1493, 1455, 1460, 1480, 1465(pt.), 1474(pt.), 1458, 1432(pt.), 1552(pt.), 1549, 1475, 1454, 1451, 1461, 1429, 1431, 1476, 1550, 1428, 1463, 1456, 1453, 1430, 1452, 1464(pt.) of Village Marol, Off International Airport Road, Andheri (East), in K/East Ward.1425(pt.),1426, 1590(pt.), 1548, 1588(pt.), 1466(pt.), 1477, 1459, 1462, 1478, 1482, 1492, 1449(pt.), 1481, 1494, 1493, 1455, 1460, 1480, 1465(pt.), 1474(pt.), 1458, 1432(pt.), 1552 (pt.), 1549, 1475, 1454, 1451, 1461, 1429, 1431, 1476, 1550, 1428, 1463, 1456, 1453, 1430, 1452, 1464(pt.) furnished to me under your letter, dated 7/10/2019. I have to inform you that, I cannot approve of the building or work proposed to be erected or executed, and I therefore hereby formally intimate to you, under Section 346 of the Mumbai Municipal Corporation Act as amended up to-date, my disapproval by reasons thereof :-

A: CONDITIONS TO BE COMPLIED WITH BEFORE STARTING THE WORK.

- 1 That the compound wall shall not be constructed on all sides of the plot clear of road widening line with foundation below the bottom of road side drain without obstructing the flow of rain water from the adjoining holding to prove possession of holding before starting the work as per D.C. Regulation No. 38(27).
- 2 That the appointment and acceptance of Structural Engineer as per appendix XI (regulation 5(3) (ix) shall not be submitted & the requisitions of clause 49 of DCPR 2034 regarding structural design, structural safety, quality of materials and workmanship & tests etc. shall not be maintained on site till completion of the entire work.
- 3 That the requirements of N.O.C. of (i) Power supply company, [ii] S.G. [iii] P.C.O. shall not be submitted.

- 4 That "All Dues Clearance Certificate" related to H.E.'s dept. from the concerned A.E.W.W. [K/East Ward] shall not be submitted before applying for C.C.
- 5 That the C.C. shall not be asked unless payment of advance for providing treatment at construction site to prevent epidemics like Dengue, Malaria, etc. is made to the Insecticide Officer of the concerned Ward Office and provision shall be made as and when required by the Insecticide Officer for inspection of water tanks by providing safe but stable ladder, etc. and requirements as communicated by the Insecticide Office shall not be complied with.
- 6 That the Workman Compensation Policy in the name of site or policy to cover the compensation claims arising out of workman's compensation Act 1923 shall not be taken out before starting the work and also shall not be renewed during the construction work.
- 7 That the owner/developer shall not display a board at site before starting the work giving the details such as name and address of the owner/developer, architect and structural engineer, approval no. and date of the layout and building proposal, date of issue of C.C., area of the plot, permissible built up area, built up area approved, number of floors etc.
- 8 That the sheet piling along with diaphragm wall within plot boundary shall not be constructed taking all the precautionary measures under the strict supervision of registered Structural Engineer before actual work of basement is taken in hand after issue of C.C.
- 9 That the NOC from Collector, MSD for cutting, excavation etc. on plot under reference shall not be obtained.
- 10 That all the structural members below the ground shall not be designed considering the effect of chlorinated water, sulphur water, seepage water, etc. and any other possible chemical effect and due care while constructing the same shall not be taken and completion certificate to that effect shall not be submitted from the Licensed Structural Engineer.
- 11 That the work shall not be carried out between 6.00 am to 10.00 pm and the provision of Notification issued by Ministry of Environment & Forest Department dated 14.02. 2000 and Rules framed for noise pollution (Regulation & Control) Rules 2000 shall not be duly observed.
- 12 That all the conditions and directions specified in the order of Hon'ble Supreme Court dated 15/03/2018 in Dumping Ground case shall not be complied with before starting demolition of structures and/or starting any construction work.
- 13 That adequate safeguards in consultation with SWM Dept. of MCGM for preventing dispersal of particles through air and the construction debris generated shall not be deposited at designated sites as approved by MCGM.
- 14 The construction and Demolition waste shall not be handled and transported to the designated unloading site as approved by E.E.(S.W.M.) vide NOC dtd 25.08.2018 comply with all conditions mentioned in the said NOC.
- 15 The work of demolition shall not be carried out under the supervision /Guidance of Licensed Structural Engineer & expert demolition contractor.
- 16 That the G.I. Sheet screens at plot boundaries upto adequate height to avoid dust nuisance shall not be provided before demolition of existing building.
- 17 That the record of C & D generated & transported on designated dumping site shall not be maintained and uploaded on MCGM Auto DCR system.

- 18 Any breach of condition regarding debris disposal shall not entail the cancellation of the building permission or IOD & the work shall not be liable to be stopped immediately.
- 19 This IOD is without Prejudice to Legal matters pending in Court of Law if any.
- 20 Indemnity Bond indemnifying MCGM and its officers against any legal consequences on account of ownership dispute if any.
- 21 That the existing structure proposed to be demolished shall not be demolished before C.C.
- 22 That the appointment and acceptance of site supervisor shall not be submitted.
- 23 That the P.R. Card for amalgamated CTS in the name of Applicant shall not be submitted before O.C.C.
- 24 That the specific approval from UD department for allowing access to the hotel building from 9.15m wide D.P. Road shall not be submitted.
- 25 That the remarks from MMRDA shall shall not be submitted
- 26 That the ULC NOC from Additional Collector & Competent Authority shall not be submitted before applying for CC involving FSI
- 27 That the NOC from GVK/MIAL and NOC from AAI shall not be submitted before CC involving FSI
- 28 That the Registered Undertaking (RUT) for not misusing the parkings proposed for full potential of FSI shall not be submitted before CC
- 29 That the Consultants Parking remarks for manuarability point of view shall not be submitted before CC



() That proper gutters and down pipes are not intended to be put to prevent water dropping from the leaves of the roof on the public street.

() That the drainage work generally is not intended to be executed in accordance with the Municipal requirements.

Subject to your so modifying your intention as to obviate the before mentioned objections and meet by requirements, but not otherwise you will be at liberty to proceed with the said building or work at anytime before the 6 January day of 2021 but not so as to contrivance any of the provision of the said Act, as amended as aforesaid or any rule, regulations or bye-law made under that Act at the time In force.

Your attention is drawn to the Special Instructions and Note accompanying this Intimation of Disapproval.

**Executive Engineer, Building Proposals,
Zone, Wards.**

SPECIAL INSTRUCTIONS

1. THIS INTIMATION GIVES NO RIGHT TO BUILD UPON GROUND WHICH IS NOT YOUR PROPERTY.

2. Under Section 68 of the Bombay Municipal Corporation Act, as amended, the Municipal Commissioner for Greater Mumbai has empowered the City Engineer to exercise, perform and discharge the powers, duties and functions conferred and imposed upon and vested in the Commissioner by Section 346 of the said Act.

3. Under Byelaw, No. 8 of the Commissioner has fixed the following levels :-

"Every person who shall erect as new domestic building shall cause the same to be built so that every part of the plinth shall be-

- a) Not less than, 2 feet (60 cms.) above the center of the adjoining street at the nearest point at which the drain from such building can be connected with the sewer than existing or thereafter to be- laid in such street
- b) Not less than 2 feet (60 cms.) Above every portion of the ground within 5 feet (160 cms.)-of such building.
- c) Not less than 92 ft. ([!TownHall]) above Town Hall Datum.

4. Your attention is invited to the provision of Section 152 of the Act whereby the person liable to pay property taxes is required to give notice of erection of a new building or occupation of building which has been vacant, to the Commissioner, within fifteen days of the completion or of the occupation whichever first occurs. Thus compliance with this provision is punishable under Section 471 of the Act irrespective of the fact that the valuation of the premises will be liable to be revised under Section 167 of the Act, from the earliest possible date in the current year in which the completion on occupation is detected by the Assessor and Collector's Department.

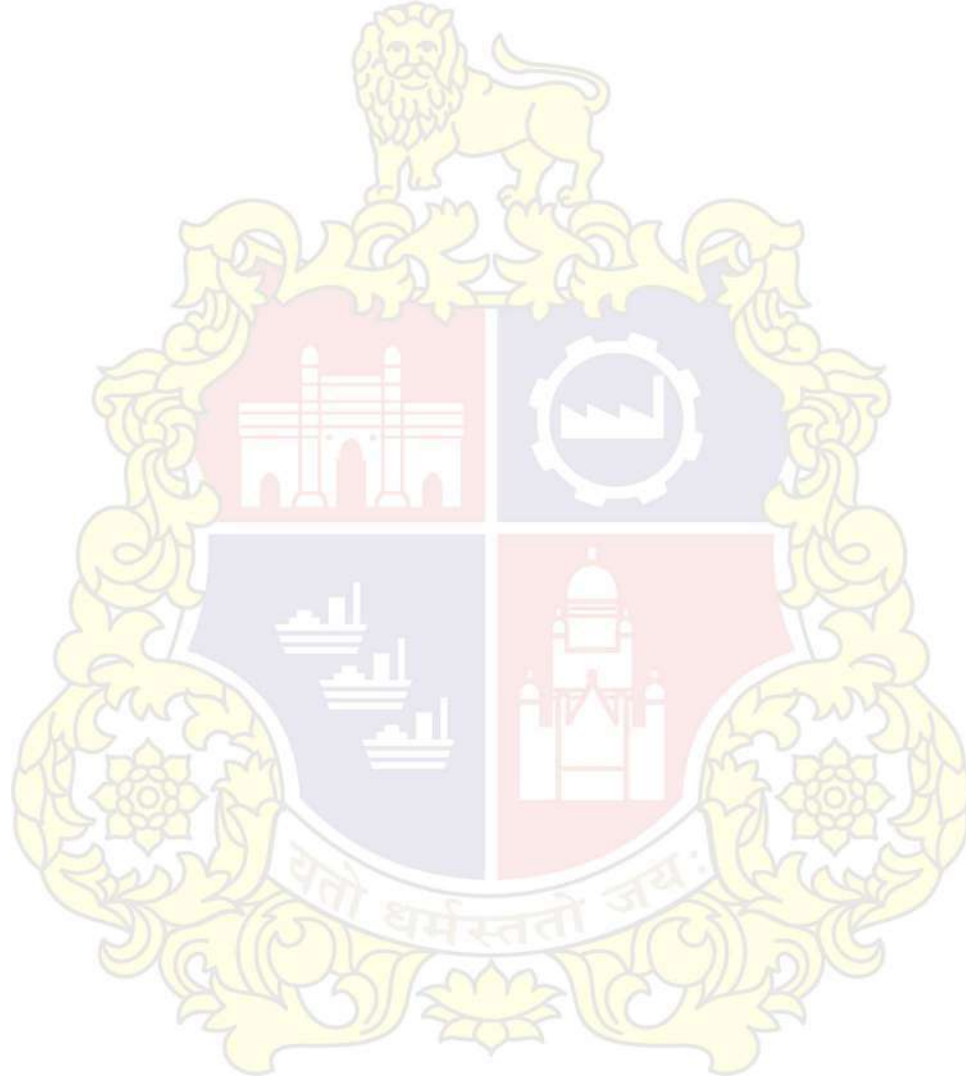
5. Your attention if further drawn to the provision of Section 353-A about the necessary of submitting occupation certificate with a view to enable the Municipal Commissioner for Greater Mumbai to inspect your premises and to grant a permission before occupation and to levy penalty for non-compliance under Section 471 if necessary.

6. Proposed date of commencement of work should be communicated as per requirements of Section 347 (1) (aa) of the Bombay Municipal Corporation Act.

7. One more copy of the block plan should be submitted for the Collector, Mumbai Suburbs District.

8. Necessary permission for Non-agricultural use of the land shall be obtained from the Collector Mumbai Suburban District before the work is started. The Non-agricultural assessment shall be paid at the site that may be fixed by the Collector, under the Land Revenue Code and Rules there under.

Attention is drawn to the notes Accompanying this Intimation of Disapproval.



No. EB/CE/ /BS /A/

NOTES

- 1) The work should not be started unless objections are complied with
- 2) A certified set of latest approved plans shall be displayed on site at the time of commencement the work and during the progress of the construction work.
- 3) Temporary permission on payment of deposit should be obtained any shed to house and store for construction purpose, Residence of workmen shall not be allowed on site. The temporary structures for storing constructional material shall be demolished before submission of building completion certificate and certificate signed by Architect submitted along with the building completion certificate.
- 4) Temporary sanitary accommodation on full flushing system with necessary drainage arrangement should be provided on site workers, before starting the work.
- 5) Water connection for constructional purpose will not be given until the hoarding is constructed and application made to the Ward Officer with the required deposit for the construction of carriage entrance, over the road side drain.
- 6) The owners shall intimate the Hydraulic Engineer or his representative in Wards atleast 15 days prior to the date of which the proposed construction work is taken in hand that the water existing in the compound will be utilised for their construction works and they will not use any Municipal Water for construction purposes. Failing this, it will be presume that Municipal tap water has been consumed on the construction works and bills preferred against them accordingly.
- 7) The hoarding or screen wall for supporting the depots of building materials shall be constructed before starting any work even though no materials may be expected to be stabled in front of the property. The scaffoldings, bricks metal, sand preps debris, etc. should not be deposited over footpaths or public street by the owner/ architect /their contractors, etc without obtaining prior permission from the Ward Officer of the area.
- 8) The work should not be started unless the manner in obviating all the objection is approved by this department.
- 9) No work should be started unless the structural design is approved.
- 10) The work above plinth should not be started before the same is shown to this office Sub-Engineer concerned and acknowledgement obtained from him regarding correctness of the open spaces & dimension.
- 11) The application for sewer street connections, if necessary, should be made simultaneously with commencement of the work as the Municipal Corporation will require time to consider alternative site to

avoid the excavation of the road and footpath.

- 12) All the terms and condition of the approved layout /sub-division under No. of should be adhered to and complied with.
- 13) No Building /Drainage Completion Certificate will be accepted non water connection granted (except for the construction purpose) unless road is constructed to the satisfaction of the Municipal Commissioner as per the provision of Section 345 of the Bombay Municipal Corporation Act and as per the terms and conditions for sanction to the layout.
- 14) Recreation ground or amenity open space should be developed before submission of Building Completion Certificate.
- 15) The access road to the full width shall be constructed in water bound macadam before commencing work and should be complete to the satisfaction of Municipal Commissioner including asphaltting lighting and drainage before submission of the Building Completion Certificate.
- 16) Flow of water through adjoining holding or culvert, if any should be maintained unobstructed.
- 17) The surrounding open spaces around the building should be consolidated in Concrete having broke glass pieces at the rate of 12.5 cubic meters per 10 sq. meters below payment.
- 18) The compound wall or fencing should be constructed clear of the road widening line with foundation below level of bottom of road side drain without obstructing flow of rain water from adjoining holding before starting the work to prove the owner's holding.
- 19) No work should be started unless the existing structures proposed to be demolished are demolished.
- 20) The Intimation of Disapproval is given exclusively for the purpose of enabling you to proceed further with the arrangements of obtaining No Objection Certificate from the Housing Commissioner under Section 13 (h) (H) of the Rent Act and in the event of your proceeding with the work either without an intimation about commencing the work under Section 347(1) (aa) or your starting the work without removing the structures proposed to be removed the act shall be taken as a severe breach of the conditions under which this Intimation of Disapproval is issued and the sanctioned will be revoked and the commencement certificate granted under Section 45 of the Maharashtra Regional and Town Planning Act 1966, (12 of the Town Planning Act), will be withdrawn.
- 21) If it is proposed to demolish the existing structures be negotiations with the tenant, under the circumstances, the work as per approved plans should not be taken up in hand unless the City Engineer is satisfied with the following:-
 - i. Specific plans in respect of evicting or rehousing the existing tenants on hour stating their number and the areas in occupation of each.
 - ii. Specifically signed agreement between you and the existing tenants that they are willing to avail or the alternative accommodation in the proposed structure at standard rent.
 - iii. Plans showing the phased programme of constructions has to be duly approved by this office before

starting the work so as not to contravene at any stage of construction, the Development control Rules regarding open spaces, light and ventilation of existing structure.

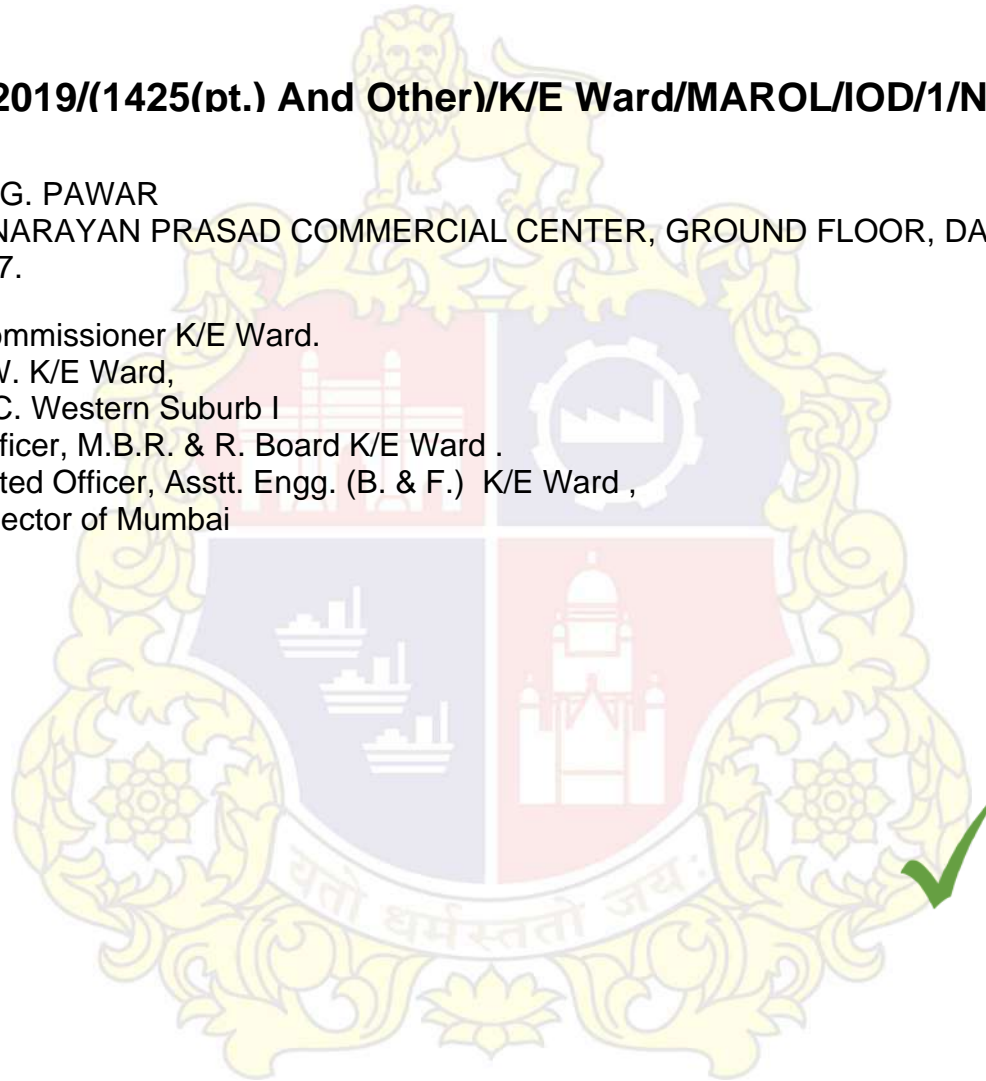
- 22) In case of extension to existing building, blocking of existing windows of rooms deriving light and its from other sides should be done first starting the work.
- 23) In case of additional floor no work should be start or during monsoon which will same arise water leakage and consequent nuisance to the tenants staying on the floor below.
- 24) The bottom of the over head storage work above the finished level of the terrace shall not be less than 1.20 Mt.and not more than 1.80 mt.
- 25) The work should not be started above first floor level unless the No Objection Certificate from the Civil Aviation Authorities, where necessary is obtained.
- 26) It is to be understood that the foundations must be excavated down to hard soil.
- 27) The positions of the nahanis and other appurtenances in the building should be so arranged as not to necessitate the laying of drains inside the building.
- 28) The water arrangement nut be carried out in strict accordance with the Municipal requirements.
- 29) No new well, tank, pond, cistern or fountain shall be dug or constructed without the previous permission in writing of the Municipal Commissioner for Greater Mumbai, as required in Section 381-A of the Municipal Corporation Act.
- 30) All gully traps and open channel drains shall be provided with right fitting mosquito proof made of wrought iron plates or hinges. The manholes of all cisterns shall be covered with a properly fitting mosquito proof hinged cast iron cap over in one piece, with locking arrangement provided with a bolt and huge screwed on highly serving the purpose of lock and the warning pipes of the rabbet pretested with screw or dome shape pieces (like a garden mari rose) with copper pipes with perfections each not exceeding 1.5 mm in diameter. The cistern shall be made easily, safely and permanently accessible be providing a firmly fixed iron ladder, the upper ends of the ladder should be earmarked and extended 40 cms above the top where they are to be fixed as its lower ends in cement concrete blocks.
- 31) No broken bottles should be fixed over boundary walls. This prohibition refers only to broken bottles to not to the use of plane glass for coping over compound wall.
- 32) a Louvres should be provided as required by Bye0law No. 5 (b)
b Lintels or Arches should be provided over Door and Windows opening
c The drains should be laid as require under Section 234-1(a)
d The inspection chamber should be plastered inside and outside.
- 33) If the proposed additional is intended to be carried out on old foundations and structures, you will do so as your own risk.

**Executive Engineer, Building Proposals
Zones wards.**

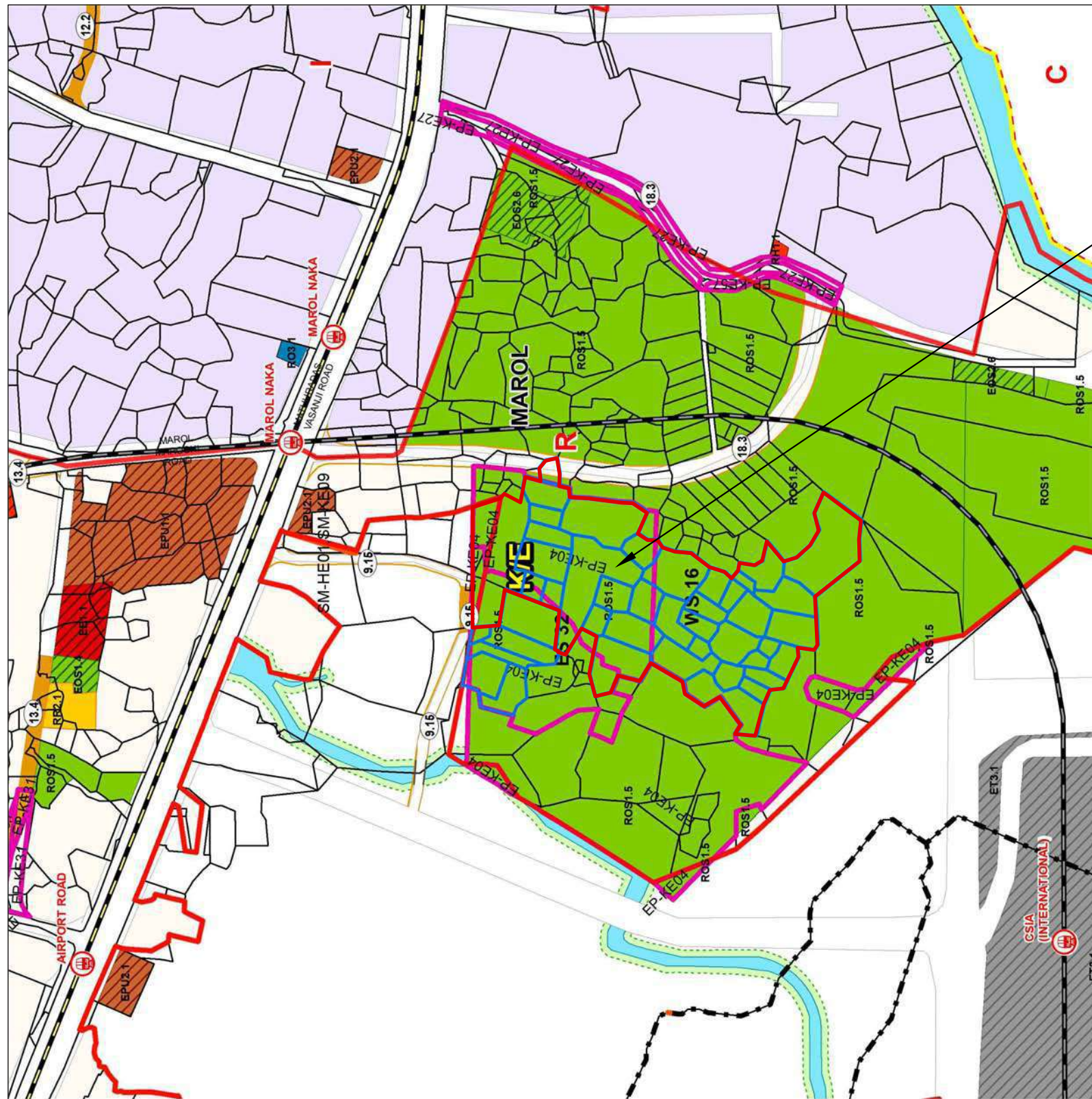
P-3757/2019/(1425(pt.) And Other)/K/E Ward/MAROL/IOD/1/New

Copy To :- 1. AMEET G. PAWAR
SATYANARAYAN PRASAD COMMERCIAL CENTER, GROUND FLOOR, DAYALDAS ROAD, VILE
PARLE EAST, MUMBAI-400057.

2. Asst. Commissioner K/E Ward.
3. A.E.W.W. K/E Ward,
4. Dy.A & C. Western Suburb I
5. Chief Officer, M.B.R. & R. Board K/E Ward .
6. Designated Officer, Asstt. Engg. (B. & F.) K/E Ward ,
7. The Collector of Mumbai



Name : Chandrakant Dattatraya
Chaudhari
Designation : Executive
Engineer
Organization : Municipal
Corporation of Greater Mumbai
Date : 07-Jan-2020 19: 40:36



A	PERFORMA 'A' AS PER 2034	SQ.MTS
1	Area Statement	
1A	Gross area of plot considered	
1A	Plot area considered for FSI purpose (stringent of PRC, 7/12 and physical boundary)	33885.52
2	Deductions for	
(a)	For reservation/road area	
a)	Road set back area to be handed over (100%) (Regulation no 16)	88.74
b)	Area of Reservation plot (A.A.I. LAND)	1110.42
c)	reservation area (plot) to be handed over (regulation no 17)	
d)	Encroachment plot	--
e)	Reservation of D.P.R.G (AREA OF DPRG NOT TO BE ACQUIRED AS PER EARLIER APPROVAL)	17497.62

(B)	For amenity area	
a)	Area of amenity plot/plots to be handed over as per dor 14(a)	
b)	Area of amenity plot/plots to be handed over as per dor 14(b)	
c)	Area of amenity plot/plots to be handed over as per dor 15	
d)	Area of amenity plot/plots to be handed over as per dor 35	
(C)	Deductions for existing built up area to be retained if any	
a)	Land component of existing bus as per regulation under which the development was allowed	
3	Total deductions: $2[A] + 2[B] + 2[C]$	
4	Balance area of plot (1A minus 3)	15188.76
5	Plot area under development (4 ABOVE)	

6	Zonal (basic) fisi
7	Permissible built up area as per zonal(basic)fisi (5 * 6)
8	(in case of mill land permissible built up area shall be as per 4 of regulation 30(a)
9	Built up area equal to area of land handed over as per 3(a) of regulation 30(a)
9	Built up area in lieu of cost of construction of built up amenity to be handed over
10	Built up area due to 'additional fisi on payment of premium' as per table no 12 of regulation no 30(a) subject to regulation no 30(a)3
11	Built up area due to admissible 'for' as per table no 12 of regulation no 30(a) subject to regulation no 30(a)3
12	additional Permissible fisi as per subject to regulation no 33(19)
13	road handover to mcm
14	Permissible built up area (7+8+9+10 +11+12+13)

15	Proposed built up area existing area Proposed built up area of building no. 2		
16	Tdr generated if any as per regulation 30 (a)		
17	Fungible compensatory area as per regulation no 31(3)		
a)	Permissible Fungible Compensatory area for Rehab component without charging premium		
i)	Fungible Compensatory area aailed for Rehab component without charging premium		
b)	i) Permissible Fungible Compensatory area by charging premium.		
ii)	Fungible Compensatory area aailed on payment of premium		
18	Total Built up Area proposed including Fungible Compensatory Area [13 +17(a)+(i)+17(b)(i)]		
19	FSI consumed on Net Plot [15/4]		

(A)	Reservation/Designation	
a)	Name of Reservation	
b)	Area of Reservation affecting the plot	
c)	Area of Reservation land to be handed/handed over as per Regulation No.17	
d)	Built up area of Amenity to be handed over as per Regulation No.17	
e)	Area/Built up Area of Designation	
(B)	Plot area/Built up Amenity to be Handed Over as per Regulation No	
(i)	14(A)	
(ii)	14(B)	
(iii)	15	
(C)	Requirement of Recreational Open Space in Layout/Plot as per Regulation No.27	

(D)	Tenement Statement		
	(i) Proposed built up area (13 above)		
	(ii) Less deduction of Non-residential area (Shop etc.)		
	(iii) Area available for tenements (ii) minus (i) :		
	(iv) Tenements permissible (Density of tenements/acre)		
	(v) Total number of Tenements proposed on the plot		
(E)	Parking Statement		
	(i) Parking required by Regulations for -		
	Car		
	Motorcycle		
	Outsiders (visitors)		
	(ii) Covered garage permissible		

(iii) Covered garages proposed		
Car		
Scooter/Motor cycle		
Outsider (Visitors)		
(iv) Total parking provided		
(F) Transport Vehicles Parking		
(i) Spaces for transport vehicles parking required by Regulations		
(ii) Total No. of transport vehicles parking spaces provided		
CERTIFICATE OF AREA		
CERTIFIED THAT I HAVE SURVEYED THE PLOT UNDER REFERENCE ON 25 SEPT. 2019 AND		

THAT THE DIMENSIONS OF THE SIDES, ETC. OF THE PLOT STATED ON THE PLAN ARE
AS MEASURED ON SITE AND THE AREA SO WORKED OUT IS 36352.68 SQ.MTS AND TALLIES
WITH THE PHYSICAL SURVEY BOUNDARY

Digitally signed by Ameet Ganpatra o Pawar
DN: cn=Ameet Ganpatra,
o=GANPATRA O PAWAR, email=a.ganpatra@rediffmail.com,
c=IN, postalCode=422001, st=MAHARASHTRA, serialNumber=1,
emailAddress=a.ganpatra@rediffmail.com,
cn=Ameet Ganpatra, o=GANPATRA O PAWAR,
email=a.ganpatra@rediffmail.com,
c=IN, postalCode=422001, st=MAHARASHTRA,
serialNumber=1, email=a.ganpatra@rediffmail.com,
Date: 2013.12.11 16:01:40+05'30'

SIGN. OF ARCHITECT

THIS PLAN IS DIGITALLY SIGNED AND PHYSICAL SIGN NOT REQUIRED
APPROVED SUBJECT TO CONDITIONS MENTIONED THIS OFFICE LETTER
UNDER NO. P-3757/2019/(1425(pt.)And Other)/K/EWard/MAROL Dtd. 07/01/2020

**Chandrakan
t Dattatraya
Chaudhari**

Digitally signed by Chandrakant Dattatraya Chaudhari
DN: cn=municipal Corporation of Greater Mumbai, o=Office of the Deputy Chief Engineer BIPWS, postalCode=400000,
c=Maharashtra,
2.5.4.20=cbe2d8e2d8196145278c09bb661af
f0f1aaad3093da50413057a760baebc;
serialNumber=d39f57a26046b666e3211
c638fe97a3544f62131ab0bf6927c316daff
;cn=Chandrakant Dattatraya Chaudhari
Date: 2020.01.07 19:26:06 +05'30'

EXECUTIVE ENGINEER
BUILDING PROPOSAL (W.S.)-I

**Athare
Dipak
Suresh
rao**

Digitally signed by Athare
Dipak Suresh
DN: c=IN, o=Municipal
Corporation of Kaveri
Municipal, ou=Office Of The Dy.
CM, ou=KMC, email=athare.dipak@kmc.org.in,
serial=400006,
cn=AthareDipak,
c=IN, o=2019-2020/Chief Of
Accounts/Industries, cn=1
1/19/2020, cn=C20190403,
email=athare.dipak@kmc.org.in,
c=IN, o=2019-2020/Chief Of
Accounts/Industries, cn=1
1/19/2020, cn=C20190403,
email=athare.dipak@kmc.org.in,
ou=KMC, ou=Office Of The Dy.
CM, ou=KMC, email=athare.dipak@kmc.org.in,
cn=AthareDipak,
c=IN, o=2019-2020/Chief Of
Accounts/Industries, cn=1
1/19/2020, cn=C20190403,
email=athare.dipak@kmc.org.in

S.E.(BP)/W/EC

Sawant
Ramchandra
a Sampatrao

Ameet Ganpatrao Pawar

Mahavir Jain
Digitally signed by Mahavir Jain
Date: 2019.12.30 16:53:01 +05'30'

ARCHITECT/LS
ET PAWAR CA/2004/34543

OWNER/DEVELOPER

PROFORMA 'B'

CONTENTS OF SHEET

BLOCK PLAN & LOCATION PLAN, STILT FLOOR PLAN
PLOT AREA DIAGRAM & CALCULATION
PARKING STATEMENT

DESCRIPTION OF PROPOSAL

PROPOSED DEVELOPMENT ON PLOT BEARING
C.T.S NO. 1425(P.T), 1426(P.T), 1428 TO 1431, 1432(P.T) 1449(P.T) 1451 TO 1456, 1458 TO 1463, 1464(P.T),
TO 1466(P.T), 1474(P.T), 1475 TO 1478, 1480 TO 1482, 1492 TO 1494, 1548, 1549, 1550(P.T), 1552(P.T),
1588(P.T), 1590(P.T) OF VILLAGE MAROL AND S NO. 1102(P.T), 1172(P.T), 1181(P.T), 1222(P.T),
1231(P.T) 1232(P.T) 30(T), 1241(P.T) 1242(P.T), 1255(P.T), 6(T) 1(P.T), 1261(P.T), 1271, 124706, 888, 1272/86(P.T) 3 TO 5,
128/2T06, 132/2(P.T), OF VILLAGE MAROL ANDHERI (E) MUMBAI-99.

NAME OF OWNER

MARS HOTELS & RESORTS PVT. LTD.
Off Intentional Airport Approach Road,
Marol, Andheri (East), Mumbai 400 059, India

NAME ADDRESS & SIGNATURE OF ARCHITECT



GROUND FLOOR, SATYANARAYAN PRASAD-
COMMERCIAL CENTRE, DAYALDAS ROAD,
VILE PARLE (E), MUMBAI- 400 057.
Ph:-022-2612 9933/ 44/ 55/ 66.
www.aakararchitect.org

NORTH	DRAWN BY	JOB. NO.	PATH:-
	SADANAND		D:\ASHISH\WESTERN\WATERSTONE PROJECT\BMC PROPOSAL\ 0.00 FSI PROPOSAL

**Ameet
Ganpatrao
o Pawar**

Pin: 42-08, oshwarpur,
jondalCoda-400001, 1-2-Maharashtra,
2,142-000566717856153d0e0e24c5f
20c39056eb717856153d0e0e24c5f
40561e1,
www.bhaskar.com-8912182d34302a2302
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8bc156b70f1, ch-Ameeta Ganpatrao
Pawar 2018.12.11 16:21:31 o95707

SIGN. OF ARCHITECT

PLINTF FLOOR PLAN
SCALE:- 1:200

THIS PLAN IS DIGITALLY SIGNED AND PHYSICAL SIGN NOT REQUIRED
APPROVED SUBJECT TO CONDITIONS MENTIONED THIS OFFICE LETTER
UNDER NO. P-3757/2019/(1425(pt.)And Other)/K/EWard/MAROL Dtd. 07/01/2020

**Chandrakan
t Dattatraya
Chaudhari**

Digitally signed by Chandrakant Dattatraya Chaudhari
DN: cn=Chandrkant Dattatraya Chaudhari,
o=Mumbai, ou=Office of the Deputy Chief Engineer
ENR WP, postalCode=400096, st=Maharashtra,
c=IN, email=CDT@enrwp.maha.nic.in, serial=
2302161708, version=3
Date: 23/02/24 09:22:08 +05'30'

EXECUTIVE ENGINEER
BUILDING PROPOSAL (W.S.I.)

**Athare
Dipak
Suresh**

S.E.(BP) K/EC

Ameet
Ganpatrao Pawar

ARCHITECT/LS
AMEET PAWAR CA/2004/34543

Sawant
Ramchandra
Sampatrao

AE(B.P.) K/E

Mahavir Jain
Digitally signed by Mahavir Jain
Date: 2019.12.30 16:54:39 +05'30

OWNER/DEVELOPER

PROFORMA 'B'

CONTENTS OF SHEET

DESCRIPTION OF PROPOSAL

PROPOSED DEVELOPMENT ON PLOT BEARING
C.T.S NO. 1425(P.T), 1426(P.T), 1428 TO 1431, 1432, (PT) 1440(P.T), 1451 TO 1456, 1458(TO) 1463, 1464(P.T),
TO 1466(P.T), 1472(P.T), 1475 TO 1478, 1480 TO 1482, 1482(TO) 1494, 1548, 1549, 1550(P.T), 1552(P.T),
1588(P.T), 1590(P.T) OF VILLAGE MAROL AND S.NO.1102(P.T), 1172(P.T), 1181(P.T), 1222(P.T),
1231&1232(P.T) 1241, 12(P.T)&8(P.T), 125(P.T), 6(TO) 111(P.T), 1261, 1.24, 06.8&8, 127&28(P.T) 3 TO 5,
128(TO) 132(P.T), OF VILLAGE MAROL AND (E) MUMBAI 2

NAME OF OWNER
MARS HOTELS & RESORTS PVT. LTD.
Off. Intentional Airport Approach Road,
Marol, Andheri (East), Mumbai 400 059, India

NAME, ADDRESS & SIGNATURE OF ARCHITECT



Ph: 022-2612 9933/ 44/ 55/ 66.
www.aasatarchitect.org

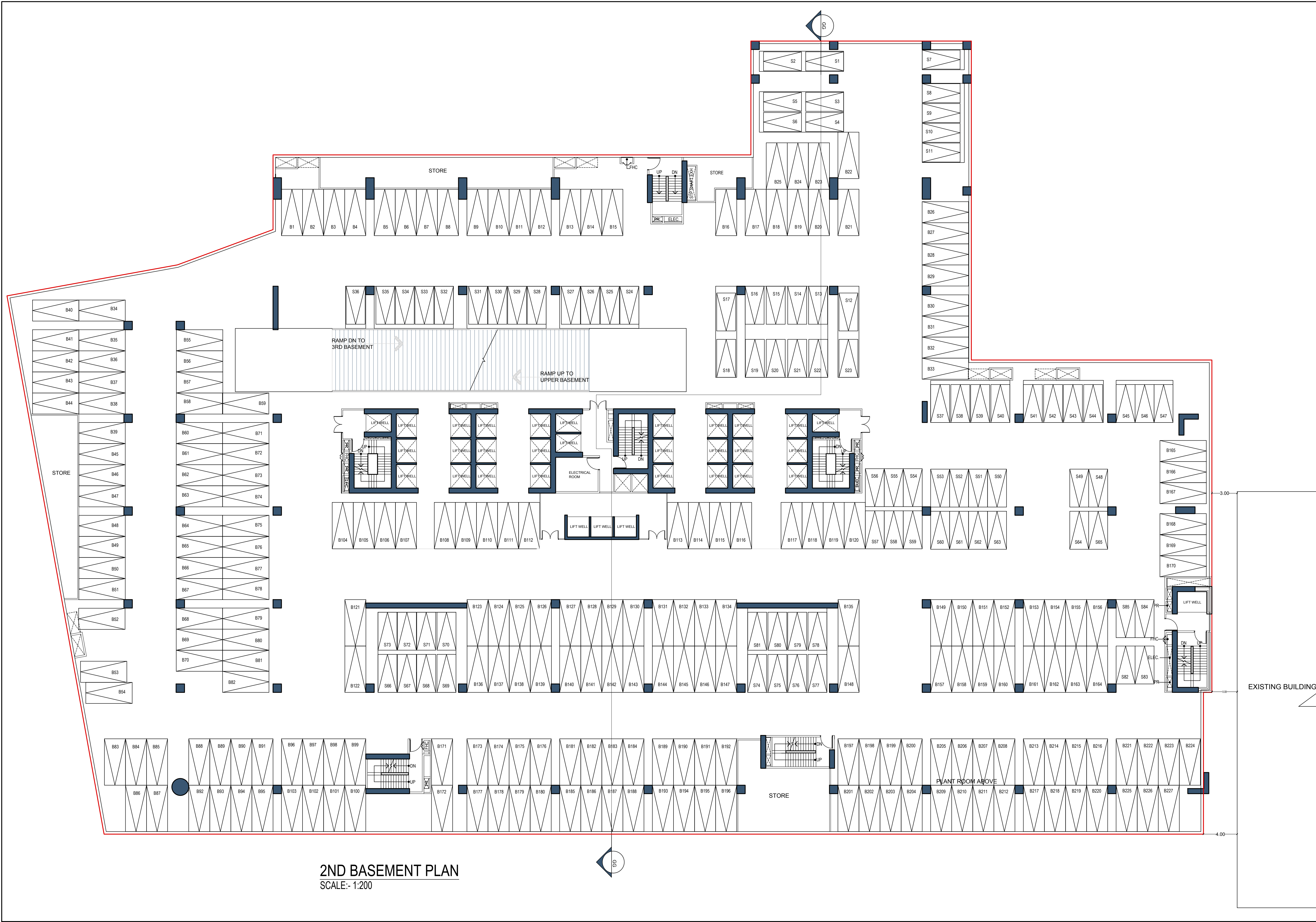
NORTH	DRAWN BY	JOB. NO.	PATH:-
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PATH:-

D:\ASHISH\WESTERNWATERSTONE PROJECT\BMC PROPOSAL\



ARCHITECTS&CONSULTANTS			
NORTH	DRAWN BY	JOB. NO.	PATH:-
	SADANAND		D:\ASHISH\WESTERN\WATERSTONE PROJECT\BMC PROPOSAL\0.00 FSI PROPOSAL



2ND BASEMENT PLAN
SCALE:- 1:200

THIS PLAN IS DIGITALLY SIGNED AND PHYSICAL SIGN NOT REQUIRED
APPROVED SUBJECT TO CONDITIONS MENTIONED THIS OFFICE LETTER
UNDER NO. P-3757/2019/(1425(pt.)And Other)/K/EWard/MAROL Dtd. 07/01/2020

Chandrakan t Dattatraya Chaudhari
EXECUTIVE ENGINEER
BUILDING PROPOSAL (W.S.)-I

Athare Dipak Suresh rao
S.E.(BP) K/EC

Ameet Ganpatrao Pawar
ARCHITECT/LS
AMEET PAWAR CA/2004/34543

Sawant Ramchandra Sampatrao
AE(B.P.) K/E


Mahavir Jain
Digitally signed by Mahavir Jain
Date: 2019.12.30 16:56:01 +05'30'
OWNER/DEVELOPER

PROFORMA 'B'

CONTENTS OF SHEET
2ND BASEMENT PLAN

DESCRIPTION OF PROPOSAL
PROPOSED DEVELOPMENT ON PLOT BEARING
C.T.S NO. 1425(PT), 1426(PT), 1428 TO 1431, 1432(PT) 1449(PT), 1451 TO 1456, 1458 TO 1463, 1464(PT),
TO 1466(PT), 1474(PT), 1475 TO 1478, 1480 TO 1482, 1492 TO 1494, 1548, 1549, 1550(PT), 1552(PT),
1588(PT), 1590(PT) OF VILLAGE MAROL AND S.NO. 110/2(PT), 117/2(PT), 118/11(PT), 122/2(PT),
123/1&2(PT) 3 TO 7, 124/1, 2(PT) & 8(PT), 125/5(PT), 6 TO 11(PT), 126/1, 2, 4 TO 6, 8&9, 127/2&6(PT) 3 TO 5,
128/2 TO 6, 132/2(PT), OF VILLAGE MAROL, ANDHERI (E), MUMBAI-99.

NAME OF OWNER
MARS HOTELS & RESORTS PVT. LTD.
Off Intentional Airport Approach Road,
Marol, Andheri (East), Mumbai 400 059, India.

NAME, ADDRESS & SIGNATURE OF ARCHITECT

GROUND FLOOR: SATYANARAYAN PRASAD,
COMMERCIAL CENTRE, DAYALDAS ROAD,
VILE PARLE (E), MUMBAI- 400 057.
Ph- 022-2612 9933/ 44/ 55/ 66.
www.aakararchitect.org

NORTH	DRAWN BY SADANAND	JOB. NO.	PATH:- D:\ASHISH\WESTERN\WATERSTONE PROJECT\BMC PROPOSAL\ 0.00 FS\ PROPOSAL
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3RD BASEMENT PLAN
SCALE:- 1:200

THIS PLAN IS DIGITALLY SIGNED AND PHYSICAL SIGN NOT REQUIRED
APPROVED SUBJECT TO CONDITIONS MENTIONED THIS OFFICE LETTER
UNDER NO. P-3757/2019/(1425(pt.)And Other)/K/EWard/MAROL Dtd. 07/01/2020

Chandrakant Dattatraya Chaudhari
EXECUTIVE ENGINEER
BUILDING PROPOSAL (W.S.)-I

Digitally signed by Chandrakant Dattatraya Chaudhari
DN: cn=Chandrakant Dattatraya Chaudhari, o=City of the Deputy Chief Engineer, ou=City of the Deputy Chief Engineer, email=chandrakant.dattatraya@cityofmumbai.gov.in, c=IN

Athare Dipak Suresh rao
S.E.(BP) K/EC

Digitally signed by Athare Dipak Suresh rao
DN: cn=Athare Dipak Suresh rao, o=City of the Deputy Chief Engineer, ou=City of the Deputy Chief Engineer, email=athare.dipak@cityofmumbai.gov.in, c=IN

Ameet Ganpatrao Pawar
ARCHITECT/LS
AMEET PAWAR CA/2004/34543

Digitally signed by Ameet Ganpatrao Pawar
DN: cn=Ameet Ganpatrao Pawar, o=City of the Deputy Chief Engineer, ou=City of the Deputy Chief Engineer, email=ameet.ganpatrao@cityofmumbai.gov.in, c=IN

Sawant Ramchandra Sampatrao
AE(B.P.) K/E

Digitally signed by Sawant Ramchandra Sampatrao
DN: cn=Sawant Ramchandra Sampatrao, o=City of the Deputy Chief Engineer, ou=City of the Deputy Chief Engineer, email=sawant.ramchandra@cityofmumbai.gov.in, c=IN

Mahavir Jain
OWNER/DEVELOPER


Digitally signed by Mahavir Jain
Date: 2019.12.30 16:57:22 +05'30'

PROFORMA 'B'

CONTENTS OF SHEET
3RD BASEMENT PLAN

DESCRIPTION OF PROPOSAL
PROPOSED DEVELOPMENT ON PLOT BEARING
C.T.S NO. 1425(PT), 1426(PT), 1428 TO 1431, 1432(PT) 1449(PT), 1451 TO 1456, 1458 TO 1463, 1464(PT),
TO 1466(PT), 1474(PT), 1475 TO 1478, 1480 TO 1482, 1492 TO 1494, 1548, 1549, 1550(PT), 1552(PT),
1588(PT), 1590(PT) OF VILLAGE MAROL AND S.NO. 110/2(PT), 117/2(PT), 118/1(PT), 122/2(PT),
123/1&2(PT) 3 TO 7, 124/1, 2(PT) & 8(PT), 125/5(PT), 6 TO 11(PT), 126/1, 2, 4 TO 6, 8&9, 127/2&6(PT) 3 TO 5,
128/2 TO 6, 132/2(PT), OF VILLAGE MAROL, ANDHERI (E), MUMBAI-99.

NAME OF OWNER
MARS HOTELS & RESORTS PVT. LTD.
Off Intentional Airport Approach Road,
Marol, Andheri (East), Mumbai 400 059, India.

NAME, ADDRESS & SIGNATURE OF ARCHITECT

GROUND FLOOR: SATYANARAYAN PRASAD,
COMMERCIAL CENTRE, DAYALDAS ROAD,
VILE PARLE (E), MUMBAI- 400 057.
Ph-022-2612 9933/ 44/ 55/ 66.
www.aakararchitect.org

NORTH	DRAWN BY	JOB. NO.	PATH:-
	SADANAND		D:\ASHISH\WESTERN\WATERSTONE PROJECT\BMC PROPOSAL\ 0.00 FS PROPOSAL



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

M/s. Mars Hotels and Resorts Pvt. Ltd

Date: 19-12-2019

Mars Hotels and Resorts Pvt. Ltd., Off
International Airport Approach Road, Marol,
Andheri East, Mumbai - 400059

Valid Upto: 18-12-2027

No Objection Certificate for Height Clearance

1. This NOC is issued by Airports Authority of India (AAI) in pursuance of responsibility conferred by and as per the provisions of Govt. of India (Ministry of Civil Aviation) order GSR751 (E) dated 30th Sep. 2015 for Safe and Regular Aircraft Operations.

2. This office has no objection to the construction of the proposed structure as per the following details:

NOC ID :	SNCR/WEST/B/120919/435403 ✓
Applicant Name*	Aiodynamiks
Site Address*	C.T.S No. 1426(pt), 1428 To 1431, 1432 (pt), 1449 (pt), 1451 to 1456, 1458, 1459, 1460 (pt), 1461 to 1463, 1464 (pt), 1465 (pt), 1466 (pt), 1476 (pt), 1477 (pt), 1478 (pt), 1479 (pt), 1480 (pt), 1481 (pt), 1482, 1548, 1549, 1550 (pt), 1588 (pt), 1590 (pt), Of Village – Marol, Andheri (East), Mumbai., Andheri East, Mumbai, Maharashtra ✓
Site Coordinates*	19 06 17.79N 72 52 34.86E, 19 06 16.25N 72 52 35.81E, 19 06 20.54N 72 52 35.95E, 19 06 21.84N 72 52 36.38E, 19 06 20.22N 72 52 36.50E, 19 06 21.54N 72 52 37.30E, 19 06 24.54N 72 52 37.88E, 19 06 25.44N 72 52 38.16E, 19 06 18.02N 72 52 38.48E, 19 06 24.45N 72 52 38.62E, 19 06 20.91N 72 52 39.92E, 19 06 20.48N 72 52 41.08E, 19 06 23.84N 72 52 41.34E, 19 06 24.73N 72 52 41.51E, 19 06 23.84N 72 52 41.67E
Site Elevation in mtrs AMSL as submitted by Applicant*	13.27 M ✓
Permissible Top Elevation in mtrs Above Mean Sea Level(AMSL)	57.13 M (Restricted) ✓

*As provided by applicant

3. This NOC is subject to the terms and conditions as given below:

a. Permissible Top elevation has been issued on the basis of Site coordinates and Site Elevation submitted by Applicant. AAI neither owns the responsibility nor authenticates the correctness of the site coordinates & site elevation provided by the applicant. If at any stage it is established that the actual data is different, this NOC will stand null and void and action will be taken as per law. The office in-charge of the concerned aerodrome may initiate action under the Aircraft (Demolition of Obstruction caused by Buildings and Trees etc.) Rules, 1994"

b. The Site coordinates as provided by the applicant in the NOC application has been plotted on the street view map and satellite map as shown in ANNEXURE. Applicant/Owner to ensure that the plotted coordinates corresponds to his/her site. In case of any discrepancy, Designated Officer shall be requested for cancellation of the NOC.

c. Airport operator or his designated representative may visit the site (with prior coordination with applicant or owner) to ensure that NOC terms & conditions are complied with.

d. The Structure height (including any superstructure) shall be calculated by subtracting the Site elevation in AMSL from the Permissible Top Elevation in AMSL i.e. Maximum Structure Height = Permissible Top Elevation minus (-) Site Elevation.

e. The issue of the NOC is further subject to the provisions of Section 9-A of the Indian Aircraft Act, 1934 and any notifications issued there under from time to time including the Aircraft (Demolition of Obstruction caused by Buildings and Trees etc.) Rules, 1994.



क्षेत्रीय मुख्यालय पश्चिमी क्षेत्र पोर्टा केबिंस, नई एयरपोर्ट कॉलोनी, हनुमान रोड के सामने, विलेपारले ईस्ट
मुंबई- 400099 दूरभाष संख्या : 91-22-28300606

Regional headquarter Western Region, Porta Cabins, New Airport Colony, Opposite Hanuman Road, Vile Parle East
Mumbai-400099 Tel. no. 91-22-28300606

गिरिश श्रीवास्तव / GIRISH SHRIVASTAV

संयुक्त महाप्रबंधक (ए.टी.एम.-डी.ओ.ए. एस.), प.क्ष.

Jt. General Manager (ATM - DoAS), W.R.

एरोड्रोम सुरक्षा विभाग / Deptt. Of Aerodrome Safeguarding

भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India

मुंबई / Mumbai - 400 099



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

f. No radio/TV Antenna, lighting arresters, staircase, Mumtee, Overhead water tank and attachments of fixtures of any kind shall project above the Permissible Top Elevation of 57.13 M (Restricted) (AMSL), as indicated in para 2.

g. Use of oil, electric or any other fuel which does not create smoke hazard for flight operations is obligatory, within 8 KM of the Aerodrome Reference Point.

h. The certificate is valid for a period of 8 years from the date of its issue. One time revalidation without assessment may be allowed, provided construction work has commenced, subject to the condition that such request shall be made within the validity period of the NOC and the delay is due to circumstances which are beyond the control of the developer.

i. No light or a combination of lights which by reason of its intensity, configuration or colour may cause confusion with the aeronautical ground lights of the Airport shall be installed at the site at any time, during or after the construction of the building. No activity shall be allowed which may affect the safe operations of flights

j. The applicant will not complain/claim compensation against aircraft noise, vibrations, damages etc. caused by aircraft operations at or in the vicinity of the airport.

k. Day markings & night lighting with secondary power supply shall be provided as per the guidelines specified in chapter 6 and appendix 6 of Civil Aviation Requirement Series B Part I Section 4, available on DGCA India website: www.dgca.nic.in

l. The applicant is responsible to obtain all other statutory clearances from the concerned authorities including the approval of building plans. This NOC for height clearances is to ensure the safe and regular aircraft operations and shall not be used as document for any other purpose/claim whatsoever, including ownership of land etc.

m. This NOCID has been assessed w.r.t Juhu, Navi Mumbai, Santa Cruz Airport(s). NOC has been issued w.r.t. the AAI aerodromes and other licensed civil aerodromes as listed in Schedule-III, Schedule-IV(Part-1), Schedule-IV(Part-2;RCS Airports Only) and Schedule-VII of GSR751(E).

n. Applicant needs to seek separate NOC from Defence, if the site lies within the jurisdiction of Defence Aerodromes as listed in Schedule-V of GSR751(E). As per Rule 13 of GSR751(E), applicants also need to seek NOC from the concerned State Govt. for sites which lies in the jurisdiction of unlicensed aerodromes as listed in Schedule-IV (Part-2:other than RCS airports) of GSR751(E).

o. In case of any discrepancy/interpretation of NOC letter, English version shall be valid.

p. In case of any dispute w.r.t site elevation and/or AGL height, top elevation in AMSL shall prevail.

Chairman NOC Committee

Region Name: WEST

Address: General Manager Airports Authority of India, Regional Headquarter, Western Region, Opp. Parsiwada, Sahar Road, Vale Parle (E) MUMBAI-400099

Email ID: nocwr@aai.aero

Contact No: 022-28300656



गिरिश श्रीवास्तव
20/11/19
गिरिश श्रीवास्तव / GIRISH SHRIVASTAV
संयुक्त महानिरीक्षक (ए.टी.एन.-डी.ओ.ए. एस.), प.वे.
Jt. General Manager (ATM - DoAS), W.R.

एरोड्रोम सुरक्षा विभाग / Deptt. Of Aerodrome Safeguarding
भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
मुंबई / Mumbai - 400 099

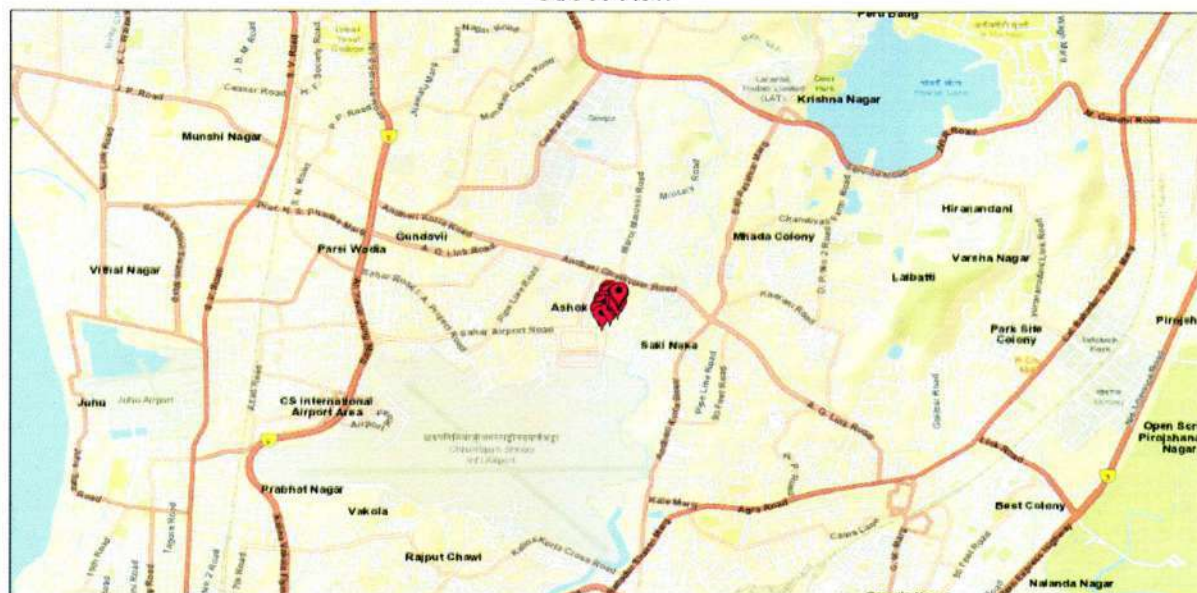
Name / Designation / Sign with Date	
Prepared By :	Niraj Gupta 19/11/2019 MGR(ATM-DoAS)
Verified By :	P.K. Singh 19/11/2019 AGM(ATM-DoAS)

क्षेत्रीय मुख्यालय पश्चिमी क्षेत्र पोर्टा केबिंस, नई एयरपोर्ट कॉलोनी, हनुमान रोड के सामने, विलेपारले ईस्ट
मुंबई- 400099 दूरभाष संख्या : 91-22-28300606

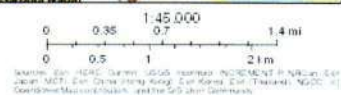
Regional headquarter Western Region, Porta Cabins, New Airport Colony, Opposite Hanuman Road, Vile Parle East
Mumbai-400099 Tel. no. 91-22-28300606

Airport Name	Distance (Meters) from Nearest ARP	Bearing (Degree) from Nearest ARP
Juhu	4538.38	80.31
Navi Mumbai	23690.05	302
Santa Cruz	1820.16	38.68
NOCID	SNCR/WEST/B/120919/435403	

Street View

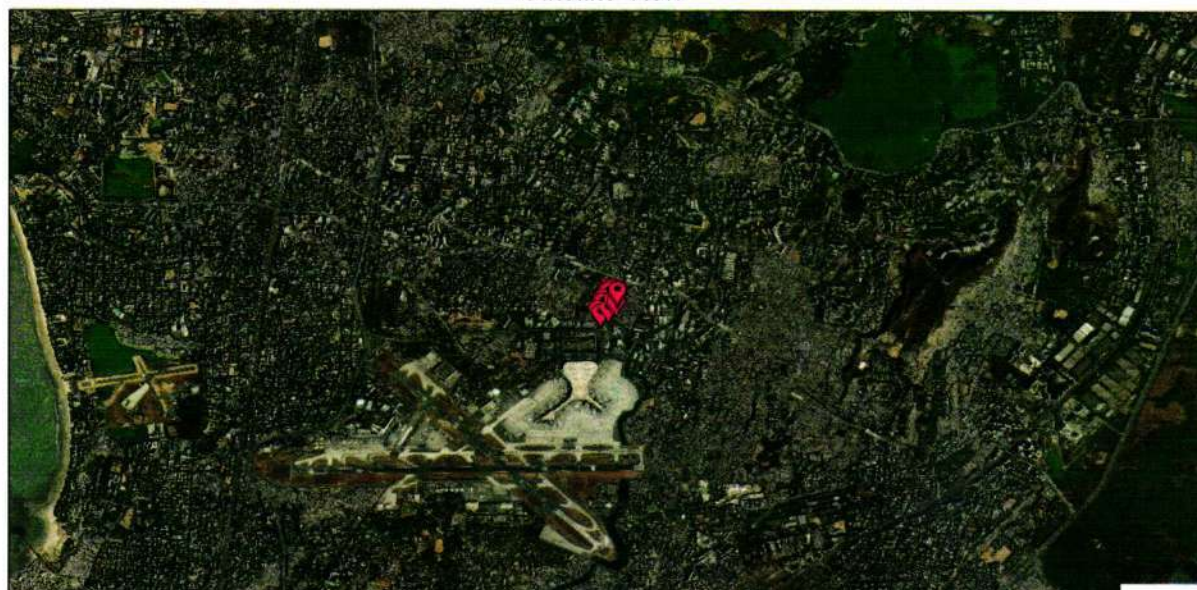


December 9, 2019

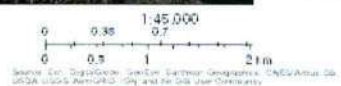


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Satellite View



December 9, 2019



242



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

No:- Format1.0/CAC-CELL/UAN No.0000087312/CE -2007000038

Date: 07/07/2020

To,
Mars Hotels and Resorts Pvt. Ltd. Village
Marol,Waterstones - Proposed Commercial
Development at CTS No. 1425(pt), 1426,
1590(pt), 1548, 1588(pt), 1466(pt), 1477,
1459, 1462, 1478, 1482, 1492, 1449(pt),
1481, 1494, 1493, 1455, 1460, 1480,
1465(pt), 1474(pt), 1458, 1432(pt),
1552(pt), 1549, 1475, 1454, 1451, 1461,
1429, 1431, 1476, 1550, 1428, 1463, 1456,
1479, 1453, 1430, 1452, 1464(pt) of
Village Marol, Andheri (East), Mumbai -
400059

Sub: Consent to Establish for proposed Commercial project. under L.S.I Red Category

- Ref:** 1. Application for grant of Consent to Establish submitted by SRO-Mumbai-II.
2. Minutes of Consent Appraisal Committee meeting held on 15/05/2020.

Your application NO. MPCB-CONSENT-0000087312

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**
2. **The capital investment of the project is Rs.369.5238 Crs. (As per undertaking submitted by pp).**
3. **The Consent to Establish is valid for proposed Commercial project named as Mars Hotels and Resorts Pvt. Ltd.,Village Marol,Waterstones - Proposed Commercial Development at CTS No. 1425(pt), 1426, 1590(pt), 1548, 1588(pt), 1466(pt), 1477, 1459, 1462, 1478, 1482, 1492, 1449(pt), 1481, 1494, 1493, 1455, 1460, 1480, 1465(pt), 1474(pt), 1458, 1432(pt), 1552(pt), 1549, 1475, 1454, 1451, 1461, 1429, 1431, 1476, 1550, 1428, 1463, 1456, 1479, 1453, 1430, 1452, 1464(pt) of Village Marol, Andheri (East), Mumbai - 400059,Andheri, on Total Plot Area of 36,950.00 SqMtrs for construction BUA of 1,18,103.00 SqMtrs including utilities and services.**



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
2.	Domestic effluent	437	As per Schedule - I	The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be connected to the sewerage system provided by local body

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

Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
S1,S2,S3,S4	DG sets 2500 KVA x 4	04	As per Schedule -II

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

Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Non-Hazardous Solid Waste (Biodegradable)	831 Kg/Day	OWC followed by Composting facility	Used as Manure for Landscaping
2	Non-Hazardous Solid Waste (Non-Biodegradable)	1246 Kg/Day	Segregation	Recycling, Disposal of inert at municipal Site

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 /spent oil	100	Ltr/A	NA	Sale to authorized waste oil recyclers

- 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 so as to achieve the treated domestic effluent standard for the parameter BOD-10 mg/lit.
- 11 The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening.
- 12 PP shall install online monitoring system for BOD, TSS and flow at the outlet of STP with connectivity to MPCB Server.
- 13 PP shall submit BG to from total sum of Rs. 25 Lakhs towards compliance of Consent to Establish condition.
- 14 PP shall install organic waste digester along with composting facility/biodigester (biogas) with composting facility for the treatment of wet garbage.



Maharashtra Pollution Control Board

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- 15 This consent is issued without prejudice to the order passed or may be passed by the Hon'ble Supreme Court of India in special leave petition (Civil No. D23708/2017) (if construction in Mumbai region-)
- 16 PP shall not take effective steps without obtaining EC from the Competent Authority (if EC not procured).
- 17 PP has obtained approval from MCGM vide No. SWM/000907/2018/G/S/CTY dated 21.6.2018 for transportation of construction & demolition waste from construction site to the designated filling & leveling site.

For and on behalf of the
Maharashtra Pollution Control Board.

(E. Ravendiran IAS),
Member Secretary

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	739048.00	5458866	23/01/2020	RTGS

Copy to:

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





SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have proposed to provide MBBR Technology based Sewage Treatment Plants (STPs) of combined capacity **440 CMD for treatment of domestic effluent of 437 CMD.**
- B] The Applicant shall operate the sewage treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr. No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for pH
1.	BOD (3 days 27o C)	10
2.	Suspended Solids	20
3.	COD	50
4.	Residual Chlorine	1ppm

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

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	187.00
2.	Domestic purpose	477.00
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-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.



Maharashtra Pollution Control Board

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- 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.



Waterstone's development project

Facilities for Workmen at site

Facilities for Workmen



Well Equipped Porta Cabins



Two Way access and egress provided



First aid boxes at site



Emergency Rescue bucket



Dedicated OHC- with Male Nurses



Well equipped OHC



Drinking water facility at work location



Drinking water facility at work location



Site Induction room/ training facility



Site Induction room/ training facility



Kitchen 3 no's provided



2- Security personnel present at gate



Dinning Facility: 50 Person sitting Capacity



Drinking(2000 litre) and Bathing & washing utensils facility (20000 Litre) available. For drinking facility BMC tankers are coming daily, for cleaning water 2 tankers are coming daily (Day and night).



Toilets : 10 Toilets are available in Camp 1



For Housekeeping of workman camp : 01 Janitor available



Mosquito nets provided to each workers

Inspected by: Mr. Muzammil Khan (Mace)



MUNICIPAL CORPORATION OF GREATER MUMBAI
(Solid Waste Management Department)

Office of Executive Engineer,
SWM SWM Zonal Office 3,

Application Number - P-3757/2019/(1425(pt.) And Other)/K/E Ward/MAROL-SWM/1/New, dated - 18 Dec 2019

Issued remarks Number /004518/2019/K/E/WS Dated 26 Dec 2019.

To (Architect / L.S), AMEET G. PAWAR SATYANARAYAN PRASAD COMMERCIAL CENTER, GROUND FLOOR, DAYALDAS ROAD, VILE PARLE EAST, MUMBAI- 400057.	CC (Owner), M/s. Mars Hotels & Resorts Private Limited Off International Airport Approach Road, Marol, Andheri (E), Mumbai-400 059.
--	--

Subject :- Approval to Construction & Demolition Waste Management Plan under "Debris on Call" scheme for the site at CTS/CS Number 1425(pt.),1426, 1590(pt.), 1548, 1588(pt.), 1466(pt.), 1477, 1459, 1462, 1478, 1482, 1492, 1449(pt.), 1481, 1494, 1493, 1455, 1460, 1480, 1465(pt.), 1474(pt.), 1458, 1432(pt.), 1552(pt.), 1549, 1475, 1454, 1451, 1461, 1429, 1431, 1476, 1550, 1428, 1463, 1456, 1453, 1430, 1452, 1464(pt.) of village MAROL at ward K/East.

Reference :- Your application / online submission for C&D Waste Management Plan under "Debris on Call" scheme for levelling & filling dtd. 18 Dec 2019

With reference to your application / online submission, the Debris Management Plan under "Debris on Call" scheme submitted by you has been approved as per "Construction and Demolition Waste Rules 2016" and you are allowed to transport Construction & Demolition Waste from construction site subject to following terms & conditions.

1. This approval is subject to the orders given by Hon. Supreme Court u/no. in SLP (Civil) No. D23708/2017 dated 15.3.2018. You shall follow this order of Hon. Supreme Court and instructions therein.
2. You shall handle & transport **Construction & Demolition Waste to the extent 10 Brass only through under "Debris on Call scheme of MCGM.** The "Debris on Call" is permitted for the total estimated quantity of C&D waste of the entire project, if the quantity is less than 300MT.
3. You shall transport the C&D waste with proper precautions and employ adequate measures safe guards to dispersal of particles through the air at your construction site.
4. The construction & Demolition Waste shall be transported as per under "Debris on Call" scheme of MCGM.
5. The copy of receipt of payment made to MCGM for "Debris on Call" system shall be kept at the construction site. The developer shall maintain record of C&D material transported and shall make it available to MCGM and / or Monitoring Committee whenever required for inspection.
6. The "Debris on Call" approval is granted presuming that the papers submitted by the applicants / Owners are genuine. For any dispute arising out of documents submitted by applicant, POA / Occupant / Owner shall be held responsible as prescribed under the law prevailing in force.
7. The approval granted hereto does not absolve the other approval required from the other department of M.C.G.M. OR Govt. authorities.
8. In case of disputes, court matters etc. related to the subject site / land / property, this approval cannot be treated as a valid proof.
9. In case of any breach of condition is brought to the notice of MCGM or Monitoring Committee, Show Cause Notice will be issued and decision will be taken within one month as expeditiously as possible, which shall be binding on you / land owner.

10. This approval is not permission for excavation or permission for dumping but this is the only approval under "Debris on Call scheme for the transportation of Construction & Demolition Waste.
11. You shall submit valid Bank Guarantee from the bankers approved by the MCGM and the amount applicable as per attached table. The bank guarantee remains valid till grant of Occupation Certificate (OCC).
12. The license architect / license engineer shall upload compliance report in respect of "Debris on Call" scheme under Construction & Demolition Waste Management Plan, any breach will entitle the cancellation of building permission and work will be liable to stop immediately.
13. (A) Project Total Estimated Qty (Brass) :10
(B) Obtained NOC(s) Total Qty (Brass): 10

Note:

1. The above remarks are system generated based on the input data submitted by Architect / Consultant / L.S and if in 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 does not require any signatures.
3. This C & D approval is issued subject to obtaining valid IOD / CC. Actual transportation shall begin after obtaining valid IOD / CC only.





MUNICIPAL CORPORATION OF GREATER MUMBAI
(Solid Waste Management Department)

Office of Executive Engineer,
SWM SWM Zonal Office 3,

Application Number - CE/6287/WS/AK-SWM/1/New, dated - 31 Aug 2019
Issued remarks Number /003808/2019/K/E/WS Dated 31 Aug 2019.

To (Architect / L.S),
AMEET G. PAWAR
SATYANARAYAN PRASAD COMMERCIAL
CENTER, GROUND FLOOR, DAYALDAS
ROAD, VILE PARLE EAST, MUMBAI-
400057.

CC (Owner),
Mars Hotels & Resorts PVT. LTD.
Off. International Airport Approach Road, Opp. Hotel Leela,
Andheri (e), Mumbai

Subject :- Approval to Construction & Demolition Waste Management Plan for the site at CTS/CS Number 1425 to 1494, 1548 to 1590 of village MAROL at ward K/East.

Reference :- Your application / online submission for C&D Waste Management Plan levelling & filling at designated site dtd. 31 Aug 2019.

With reference to your application/ online submission, the Debris Management Plan submitted by you has been approved as per "Construction and Demolition Waste Rules 2016" and you are allowed to transport Construction & Demolition/ Excavation Material from construction site to the unloading site subject to following terms & conditions.

1. This approval is subject to the orders given by Hon. Supreme Court u/no. in SLP (Civil) No. D23708/2017 dated 15.3.2018. You shall follow this order of Hon. Supreme Court and instructions therein.
2. You shall handle & transport **Construction & Demolition Waste / Excavation Material to the extent of 2880 Brass only to the designated unloading site NMSEZ Additional Phase-I, Kalamboli Node, Village Kalamboli, Taluka Panvel, District Raigad & validity 04 Aug 2020.**
3. You shall transport the C&D waste with proper precautions and employ adequate measures safe guards to dispersal of particles through the air.
4. You have mentioned designated site for transportation of C&D waste for filling and levelling purpose. The C&D waste shall be transported and deposited at the designated site only The Landfill site (unloading site) shall be governed by the Construction and Demolition Waste Management Rules, 2016 and Solid Waste Management Rules, 2016.
5. In the event for any reason whatsoever, the consent given by the Designated Site / Agency is revoked or the time limit for the designated site has expired or the capacity of unloading site is exhausted. In such case the builder / developer shall forthwith stop the transportation activities. The builder / developer shall submit revised Construction and Demolition waste management plan along with required valid documents for revalidation of existing C&D waste Management Plan.
6. The construction & Demolition Waste shall be transported through your Transport Contractor. The details of the same shall be uploaded in the system by the applicant at the time of actual transportation.
7. The deployed vehicles shall abide by all the R.T.O. rules and regulations. You shall ensure that the vehicles should be properly covered with tarpaulin or any other suitable material firmly to avoid any escape / fall of waste on road from moving vehicle. The body and wheels shall be cleaned and washed thoroughly to avoid spreading of waste on road.
8. The copy of approved Construction and Demolition Management Plan Shall be accompanied with each and every vehicle under this

ect / license engineer shall upload compliance report in respect of Construction & Demolition
will entitle the cancellation of building permission and work will be liable to stop immediately
imated Qty (Brass) :2880
s) Total Qty (Brass): 2880

ns are system generated based on the input data submitted by Architect / Consultant / L.S and
correct / fraudulent then the remarks deemed to be treated as cancelled and necessary action
ns are system generated and does not require any signatures.
val is issued subject to obtaining valid IOD / CC. Actual transportation shall begin after obtain

- Note:**

- Page 2 of 2

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
Government of Maharashtra

Date : **30/08/2022**
Time : **23:12:35 PM**
Validity upto : **27/02/2023**



Certificate SL. No. : MH04300880001126
Registration No. : MH46BB1232
Date of Registration : 15/Mar/2017
Month & Year of Manufacturing : January-2017
Valid Mobile Number : *****4565
Emission Norms : BHARAT STAGE III
Fuel : DIESEL
PUC Code : MH0430088
GSTIN :
Fees : Rs.150.00
(GST to be paid extra as applicable)
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.03
This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.				

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://vahan.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
60mm x 20 mm

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
Government of Maharashtra

Date : **30/08/2022**
Time : **23:15:40 PM**
Validity upto : **27/02/2023**



Certificate SL. No. : MH04300880001128
Registration No. : MH43BG1435
Date of Registration : 16/Feb/2017
Month & Year of Manufacturing : July-2016
Valid Mobile Number : *****6565
Emission Norms : BHARAT STAGE III
Fuel : DIESEL
PUC Code : MH0430088
GSTIN :
Fees : Rs.150.00
(GST to be paid extra as applicable)
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.02

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://vahan.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
60mm x 20 mm

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
Government of Maharashtra

Date : **30/08/2022**
Time : **23:17:02 PM**
Validity upto : **27/02/2023**



Certificate SL. No. : MH04300880001129
Registration No. : MH46BB1236
Date of Registration : 15/Mar/2017
Month & Year of Manufacturing : January-2017
Valid Mobile Number : *****6565
Emission Norms : BHARAT STAGE III
Fuel : DIESEL
PUC Code : MH0430088
GSTIN :
Fees : Rs.150.00
(GST to be paid extra as applicable)
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.02

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://vahan.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
60mm x 20 mm

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
Government of Maharashtra

Date : **30/08/2022**
Time : **23:39:41 PM**
Validity upto : **29/08/2023**



Certificate SL. No. : MH04300880001142
Registration No. : MH04JK9767
Date of Registration : 22/Nov/2018
Month & Year of Manufacturing : October-2017
Valid Mobile Number : *****6566
Emission Norms : BHARAT STAGE IV
Fuel : DIESEL
PUC Code : MH0430088
GSTIN :
Fees : Rs.150.00
(GST to be paid extra as applicable)
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	1.62	0.07

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://vahan.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
60mm x 20 mm

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
Government of Maharashtra

Date : **30/08/2022**
Time : **23:45:58 PM**
Validity upto : **29/08/2023**



Certificate SL. No. : MH04300880001146
Registration No. : MH03CP2204
Date of Registration : 30/Dec/2017
Month & Year of Manufacturing : December-2017
Valid Mobile Number : *****6565
Emission Norms : BHARAT STAGE IV
Fuel : DIESEL
PUC Code : MH0430088
GSTIN :
Fees : Rs.150.00
(GST to be paid extra as applicable)
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	1.62	0.12

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://vahan.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
60mm x 20 mm

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
Government of Maharashtra

Date : **30/08/2022**
Time : **23:52:14 PM**
Validity upto : **29/08/2023**



Certificate SL. No. : MH04300880001150
Registration No. : MH03CP7854
Date of Registration : 14/Nov/2018
Month & Year of Manufacturing : January-2018
Valid Mobile Number : *****5656
Emission Norms : BHARAT STAGE IV
Fuel : DIESEL
PUC Code : MH0430088
GSTIN :
Fees : Rs.150.00
(GST to be paid extra as applicable)
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm



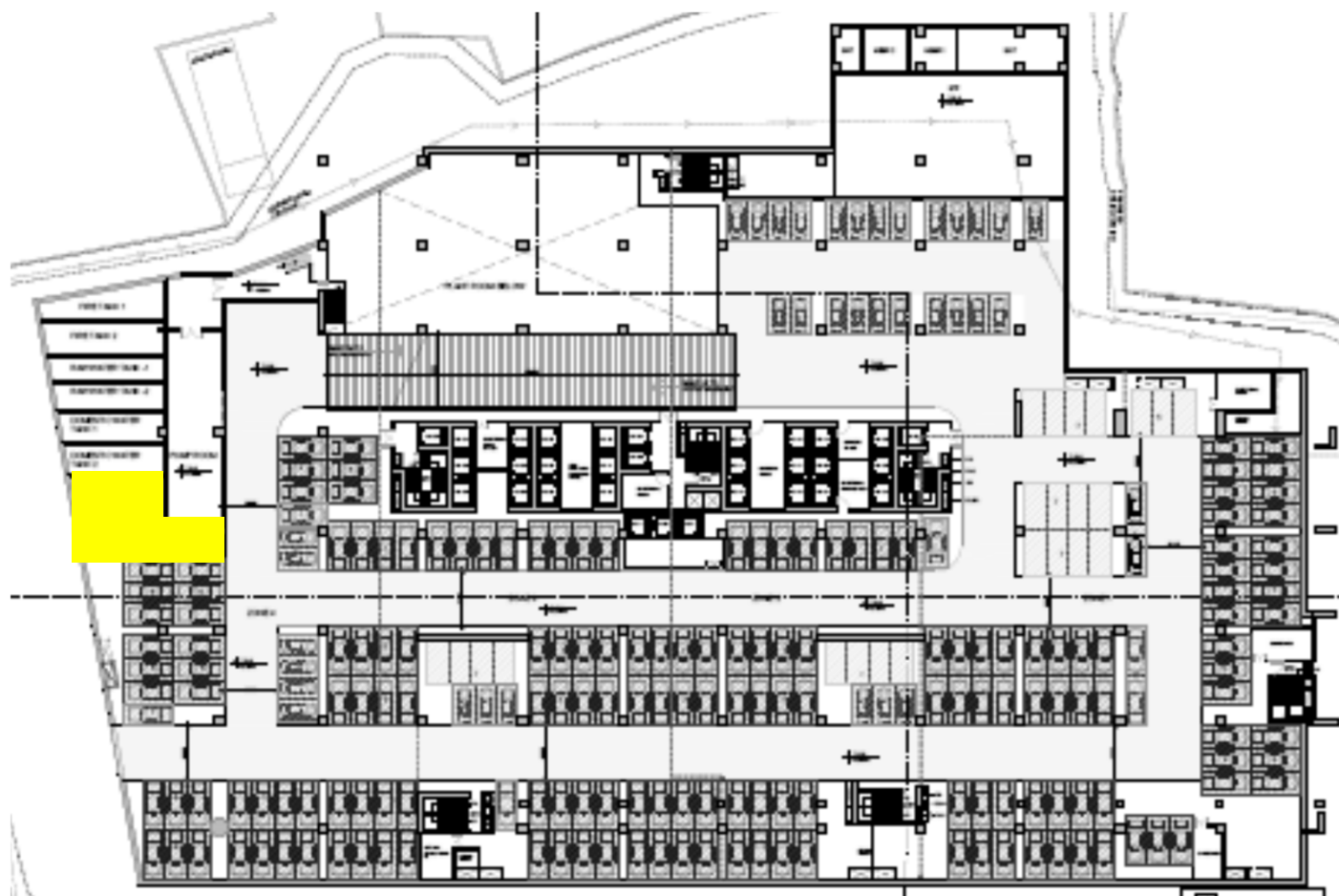
Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	1.62	0.18
This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.				

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://vahan.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
60mm x 20 mm

RAINWATER HARVESTING

- 2 RWH tanks of capacity 250 cum each (2 days fresh water requirement) in first basement (upper)

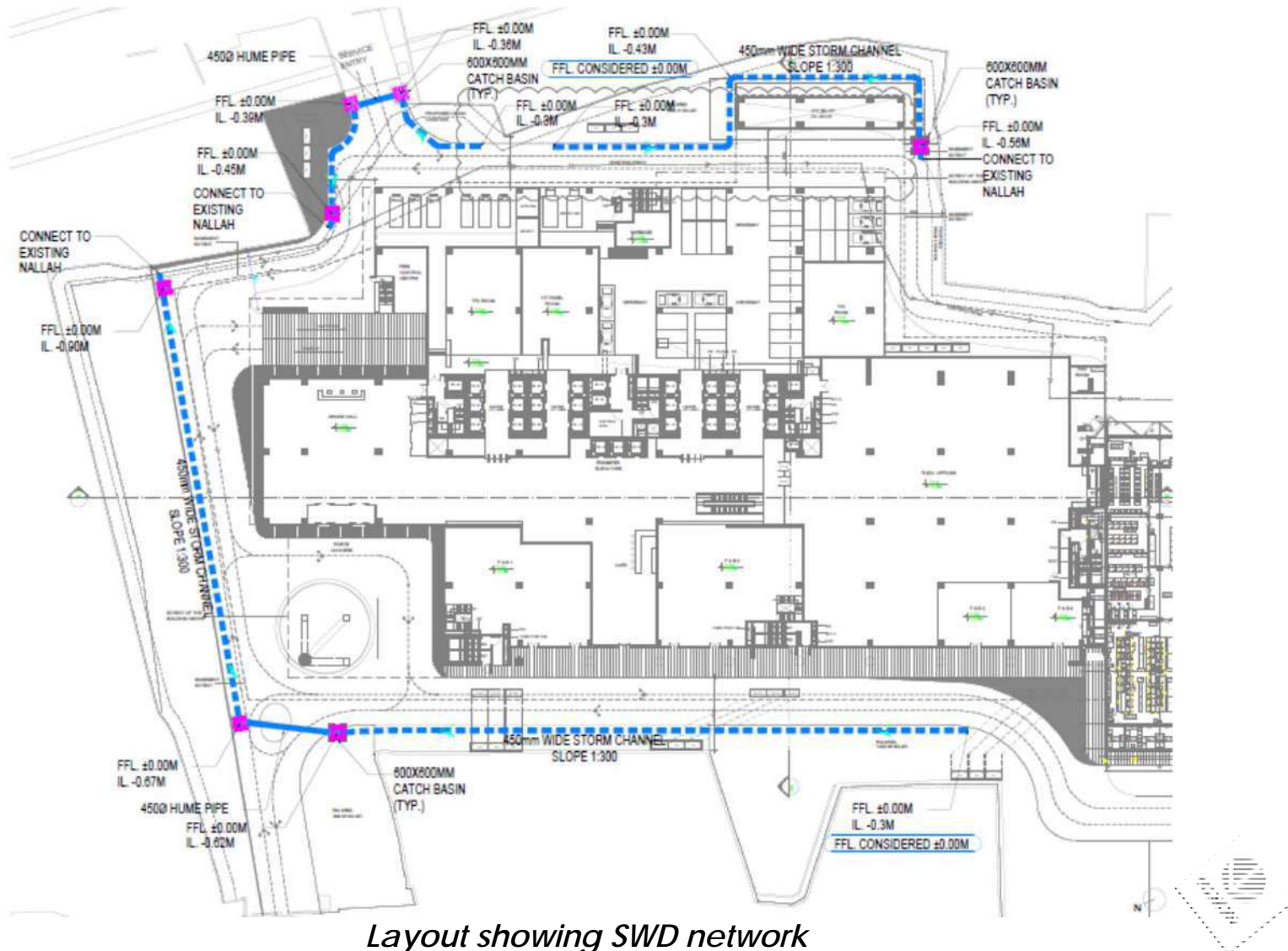


Location of RWH tanks at Upper Basement Level

 RWH Tanks

STORM WATER MANAGEMENT

- Storm Water drainage channel has been designed considering 100 mm/hr rainfall intensity.
- 650 mm wide and 600 mm deep SWD channel has been proposed for entire development.



ENERGY CONSERVATION

Proposed Energy Saving Measures

- Using LED/CFL lights and energy efficient fixtures
- Using energy efficient motors & group control facility for lifts
- Energy metering system for internal and external lighting
- Use of automatic sprinkler system for garden area
- Utilization of solar energy by provision of PV based lights in common areas, garden and pathways
- Estimated overall energy savings (by using energy saving measures) is 16.81%.
- Savings through use of renewable i.e. solar energy is estimated to be 4.12%.

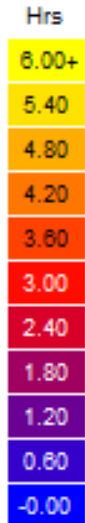
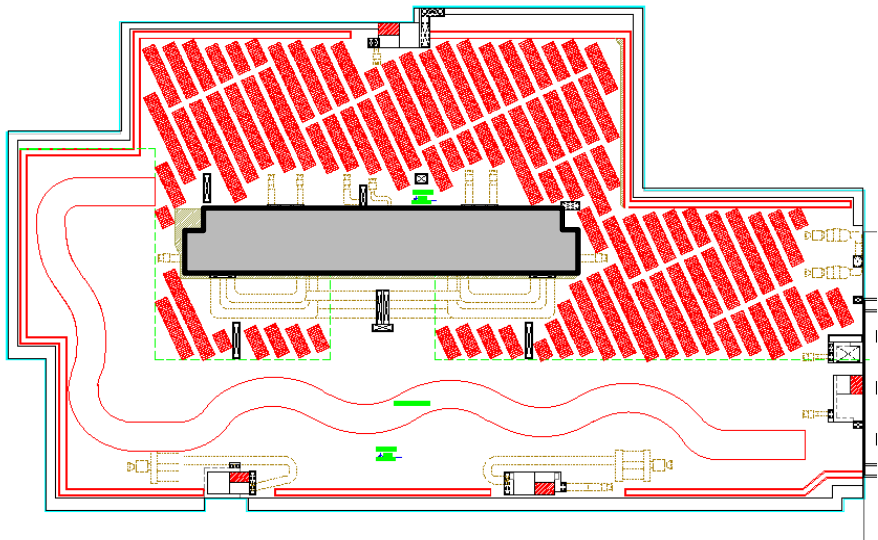
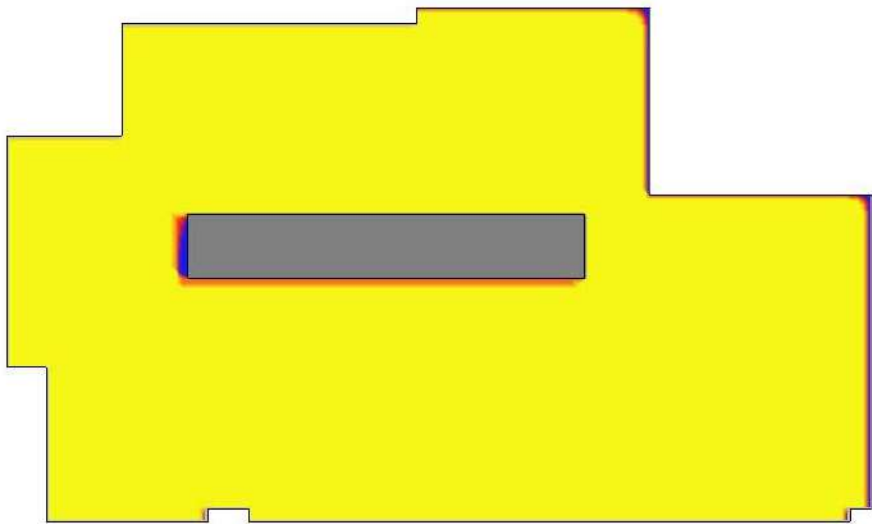
ENERGY CONSERVATION

Energy Saving Calculations

REDUCTION IN CONSUMPTION BY USING ENERGY SAVING MEASURE					
A	By using LED Light in Lift Lobbies and for Common Areas			50%	
B	VFD by using Lift and Chiller			30%	
FOR COMMON AREA					
	Area	Per day unit consumption	Saving Percentage	Per day Unit Consumption with saving	Saving in Unit
I	BY USING ENERGY SAVING MEASURE				
B	Saving Due to LED Lamp				
3	Office Area Lighting Load	8811	50	4405	4405
3	Common Area lighting	2156	50	1078	1078
C	Saving Due to VFD				
1	Saving in lift , Pumps and Chiller by using VFD	18564	30	12995	5569
	Average KWH/Day saving				11053
	Average KWH/Annual saving - Total Energy Saving				4034176
	SAVING IN PERCENTAGE %				16.81

ENERGY SAVINGS THROUGH SOLAR ENERGY & ECBC COMPLIANCE

Shadow Analysis, Solar Panel Layout and Terrace Area Calculations

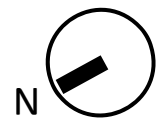


Terrace Area Calculations

For the Proposed Project, Solar PV panels are proposed to encourage the Renewable Energy use and also to encourage sustainable development.

Total Roof Area	-	9035	sq. m.
Usable Roof Area	-	4417	sq. m. (Usable roof area)
Solar PV Capacity	-	270	kW

Demand Load	: 6546 kW
Savings through renewable energy	: 4.12%



SOUTHERN RAILWAY

MATERIALS MANAGEMENT DEPARTMENT

CHENNAI - 600 008

CORRIGENDUM

Notice for the supply of stores No. 23/2020

Dated : 13/05/2020

has implemented an e-system. All advertised tenders will be dealt with through the e-system only. No manual offer/postal offer will be entertained. The tender can be accessed under the link www.ireps.gov.in ->SR->COS

Sr No.	Description	Tender Closing date & time
1	CABLE JELLY FILLED TELECOM 6 QUAD	From 31.03.2020 Extended upto 19.05.2020 @ 14.30 Hrs.

has the right to issue any corrigendum to the tenders to Vendors; e-procurement is in the link www.ireps.gov.in

Deputy Chief Materials Manager / Construction /
Egmore / Chennai - 600 008.

BRIHANMUMBAI**EAST CENTRAL RAILWAY****E-TENDER NOTICE**

E-Tender Notice No. : S&T/CON/133. CSTE/CON/ECR/Mahendrughat/Patna for & on behalf of president of India are invited to Open online E-Tender. E-Tender No. S&T/CON/133. Name of work : Design, Manufacturing, Supply, Installation, Testing and Commissioning of Electronic Interlocking System (Indoor & Outdoor) including Telecom Work at 7 stations in Muzaffarpur-Sugauli Section of Samastipur Division of East Central Railway. Approximate cost : ₹39,10,75,336/-, Earnest Money : ₹21,05,400/-, Cost of Tender document : ₹10,000/-, Completion Period : 12 Months. Last Date & Time of submission of online E-Tender : 05.06.2020 up to 12.00. For details information, may kindly see the tender notice and tender documents which are available at Indian Railways website <http://www.ireps.gov.in>.

CSTE/Con/ECR/Mahendrughat, Patna
PR/0156/CON/S&T/T/20-21/28

PUBLIC ANNOUNCEMENT

The construction project of "Waterstones" - Proposed Commercial Building located at plot bearing CTS No. 1425(pt), 1426(pt), 1590(pt), 1548, 1588(pt), 1466(pt), 1477, 1459, 1462, 1478, 1482, 1492, 1449(pt), 1481, 1494, 1493, 1455, 1460, 1480, 1465(pt), 1474(pt), 1458, 1432(pt), 1552(pt), 1549, 1475, 1454, 1451, 1461, 1429, 1431, 1476, 1550, 1428, 1463, 1456, 1479, 1453, 1430, 1452, 1464(pt) of Village Marol Andheri (East), Mumbai by M/s. Mars Hotels & Resorts Pvt. Ltd. has been accorded Environmental Clearance by State Level Environment Impact Assessment Authority, Maharashtra vide letter No. SIA/MH/MIS/122234/2019 dated 31st March 2020. Copies of the said Environmental Clearance are available with Environment Department, Government of Maharashtra and Maharashtra Pollution Control Board and on the website parivesh.nic.in

Date : 15-05-2020
Place : Mumbai

**CENTRAL ORGANISATION FOR RAILWAY ELECTRIFICATION**

1, NAWAB YUSUF ROAD, CIVIL LINES, PRAYAGRAJ-211001
Ph. : 0532-2407725, FAX : 0532-2407726 www.core.indianrailways.gov.in

Date: 14.05.2020

Ref: Tender no CORE/S&T/Ten/Sig/7008B dt. 22.04.2020

Corrigendum No.-1

Name of work "Work of EI at 5 stations namely Manani, Rampur Maniharan, Thana Bhavan, Nanauta and Hind in Tapri (Excl.)-Shamli (excl.), Group 220 for signaling work in connection with 25 kv AC Railway Electrification under CPD/RE/UMB"

S.No.	Description	Existing	Corrected
1	Date, time & Place for opening of tender document	15.05.2020 at 15.00 Hrs at Office of PCSTE/CORE, Prayagraj	29.05.2020 at 15.00 Hrs at Office of PCSTE/CORE, Prayagraj

Minor modifications have been made in date of opening of tender (Tender No. CORE/S&T/Ten/Sig/7008B dt. 22.04.2020), these changes have been uploaded on IREPS Website <http://www.ireps.gov.in>. Please see IREPS website for details. All other terms & conditions remains same.

CHIEF SIGNAL & TELECOM ENGINEER (PROJECT)/CORE/PRAYAGRAJ
No. PR/345/20 (Kaka) FOR & ON BEHALF OF PRESIDENT OF INDIA

Serving Customers with a Smile**BRIHANMUMBAI MAHANAGARPALIKA****e-TENDER NOTICE**

The Commissioner of Municipal Corporation of Greater Mumbai invites e-Tenders for various works from the government registered contractors, who are also registered as 'MCGM Vendor' Bidder should give Rs. 1 lakh performance guarantee for the details of 03 number of Tenders of estimated amount Rs. 6047289.00 respective tender documents and process of e-Tendering, please visit www.mcgm.gov.in.

Sd/-
Public Relations Officer.

PRO/82/ADV/20-21

MCGM HELPLINE NUMBER 1800221292 from 9 a. m. to 9 p. m.
FOR Homeless/Stranded Migrants/Workers for food & Shelters