Date: 05/01/2022

To,

Regional Office, Maharashtra Pollution Control Board,
Kalpataru Point, 1st floor, Sion Circle,
In front of Cine Planate Theater,
Shiv (East), Mumbai - 400 022. Maharashtra.

Sub : **Submission of six monthly compliance reports as per terms & conditions Stipulated in Environmental clearance letter for proposed Proposed Residential and CommercialProject at CTS No, 657, Survey No. 17, Safed Pool, Andheri Kurla Road,Village Mohili, Lward, Mumbai —400072 Maharashtra.**

Ref. No. : **Environment clearance no. SIA/MHIMIS/143467/2020, dated: 27/10/2020.**

Respected Sir/Madam,

In reference to the above referred letter of your highly revered office we would like to submit the Current status of our construction work and point-wise compliance status to various stipulations in its Clearance letter no.**SIA/MH/MIS/143467/2020, dated: 27/10/2020**along with the necessary annexure.

This compliance report is submitted for the period from **April 2021 to September 2021.**

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

Thanking you,

With warm regards,

For, **Landcare Realty LLP**

Landcare Realty LLP Mumbai

Authorized Signatory

Encl : Part A: Current status of construction work.
Part B: Point-wise compliance status.
Datasheet & Annexures.

Copy to Regional Office, MoEF & CC, Nagpur.
Regional Office, CPCB, Vadodara.
Department of Environment, Mantralaya, Mumbai.

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Annexure – 16	Copy of Environmental monitoring reports
Annexure – 17	Copies of PUC certificates
Annexure – 18	STP details
Annexure – 19	Copy of Environmental clearance
Annexure – 20	Advertisement copy

: PART A :

Current Status of Work

Status of construction work		:	Excavation work in progress, actual construction work yet to start. Excavation done for Residential building upto September 2021 is 73025 Brass.
a.	Date of commencement (Actual and/or planned)	:	Actual construction work yet to start.
b.	Date of completion (Actual and/or planned)	:	31/12/2025 (Planned)

: PART B :

Compliance status of conditions stipulated in Environmental clearance for proposed 'Residential and Commercial project at CTS nos. 657, Survey no. 17, Safed Pool, Andheri-Kurla Road, Village Mohili, 'L' Ward, Mumbai – 400072. Maharashtra granted by SEIAA, Govt. of Maharashtra vide EC No. SIA/MH/MIS/143467/2020, dated: 27/10/2020 are as follows;

Sl. No.	Stipulated Clearance Conditions	Compliance Status
Specific Conditions:		
A. SEAC Conditions:		
i.	PP to submit the sewerage network, water supply, storm water drains NOC from local planning authority.	❖ Development Plan remarks with additional information of external water pipeline, Sewer line and Drainage line is attached as **Enclosure 1.** ❖ Sewerage network, water supply, storm water drain NOC shall be obtained and submitted to SEAC and SEIAA once received.
ii.	PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect 10%.	❖ We have already submitted and presented the wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and heat island effect study report during 131st SEAC-2 meeting. Also design considerations to reduce heat island effect upto 10.4% was presented and submitted in Environment Management Plan at the time of SEAC meeting. ❖ However again submitting herewith detailed wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and heat island effect study report as **Enclosure 2.**
iii.	Nalla adjoining the project shall neither be diverted nor be covered by slab.	❖ We ensure that Nalla adjoining the project shall not be diverted or covered.
iv.	6 meter separate motorable road without any obstruction shall be provided for maintenance & up keeping of Nalla.	❖ We have already proposed 6.0 mt. wide clear access for maintenance & up keeping of Nalla. Plan showing the same is attached as **Enclosure 3.**

<table>
<tr><th>Sl. No.</th><th>Stipulated Clearance Conditions</th><th>Compliance Status</th></tr>
<tr><td>v.</td><td>Treated Sewage discharge to be restricted to 35% only.</td><td>❖ Total treated sewage available for reuse will be 113 KLD.
❖ Recycling of treated sewage shall be done for gardening (9 KLD) and flushing (53 KLD) within site which will help to reduce the quantity of treated sewage to the tune of 55 % (62 KLD).
❖ In addition to reuse of treated sewage on site the treated sewage i.e., 11 KLD shall also be used in the adjoining garden which will further help to reduce the quantity of treated sewage to the tune of 35% (40 KLD).
❖ Details are given as below;
<table>
<tr><td colspan="3">Total treated sewage available for reuse is 195 KLD</td></tr>
<tr><td>Treated sewage</td><td>Reuse</td><td>Excess treated sewage</td></tr>
<tr><td>Reuse on site: For gardening & flushing</td><td>62 KLD (55 %)</td><td>51 KLD (45 %)</td></tr>
<tr><td>Reuse on site + Reuse outside: Gardening area, median plantation etc.</td><td>73 KLD (65 %)</td><td>40 KLD (35%)</td></tr>
</table></td></tr>
<tr><td>vi.</td><td>The energy savings from renewable energy shall be 5.16%</td><td>❖ We have already proposed solar energy saving upto 5.61%.
❖ Detailed Energy saving statement is attached as an Enclosure 4.</td></tr>
<tr><td>vii.</td><td>PP to abide all conditions prescribed in CFO NOC.</td><td>❖ We have received NOC from Chief Fire Officer, MCGM.
❖ Copy of NOC is attached as Enclosure 5. We shall abide all conditions prescribed in CFO NOC.</td></tr>
<tr><td>viii.</td><td>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 authorities to ensure fulfilment of this</td><td>❖ Aerial distance of Thane Creek Flamingo Sanctuary as per Index Map of Mumbai Mangrove Conservation Unit: 7.00 Km. Index map showing distance from Thane Creek Flamingo Sanctuary is attached as</td></tr>
</table>

Sl. No.	Stipulated Clearance Conditions	Compliance Status
	condition before granting CC.	**Enclosure 6A.** ❖ We have already applied for NOC with reference to Thane Creek Flamingo Sanctuary to the Forest Officer, Divisional Forest Office, Kamgarnagar, Kurla (East), Mumbai. ❖ Acknowledgement copy of the same is attached as an **Enclosure 6B.** ❖ As per Revised circular form MCGM regarding Restrictions in development due to declaration of 'Eco sensitive zone of Thane Creek Flamingo Sanctuary vide letter no. Ch.E./DP/9337/Gen, dated: 21/10/2021 NOC from Forest Officer, Divisional Forest Office is Not Applicable. ❖ Copy of Revised circular is attached as an **Enclosure 6C.**
B.	**SEIAA Conditions:-**	
i.	PP to ensure that CER plan gets approved from Municipal Commissioner.	❖ CER plan is submitted to The Municipal Commissioner of MCGM. ❖ Acknowledgement copy of the same is attached as an **Enclosure 7.**
ii.	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.lll dt04.01.2019.	❖ Noted.
iii.	SEIAA decided to grant EC for- FSI:7428.35 m2, Non-FSI: 13772.83 m2 and Total BUA: 21201.18 m2 (Plan Approval) CHE/ES/4273/33 7(New) 33711 Amend, dated 10.09.2020)	❖ Noted.
General conditions:		
i	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	❖ Proposed project is a Residential & Commercial building. Hence, generation of E-waste will be negligible and shall be through to authorize vendor as per E-waste (Management and Handling) Rules, 2016. ❖ E-Waste will be stored separately and disposed through authorized recyclers.
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.	❖ Noted.

Sl. No.	Stipulated Clearance Conditions	Compliance Status
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.	❖ NOC from Wild Life Board is Not Applicable as per Final Notification reg. ESZ of SGNP published by MoEF & CC u/no. S.O.3645 (E), dated: 05/12/2016 as our project site is not affected by the ESZ belt. ❖ Aerial distance of Thane Creek Flamingo Sanctuary as per Index Map of Mumbai Mangrove Conservation Unit: 7.00 Km. Index map showing distance from Thane Creek Flamingo Sanctuary. ❖ We have already applied for NOC with reference to Thane Creek Flamingo Sanctuary to the Forest Officer, Divisional Forest Office, Kamgarnagar, Kurla (East), Mumbai.
iv	PP has to abide by the conditions stipulated by SEAC & SEIAA.	❖ Agreed to comply with.
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.	❖ Height of the building will be as per the Approved building plan. ❖ Airport Authority of India issued Height Clearance for the project vide letter no. SNCR/WEST/B/111916/182862, dated: 26/12/2016. ❖ AAI NOC is attached as **Enclosure 8.** ❖ MCGM issued Intimation of Disapproval for the project vide letter no. CHE/ES/4273/L/337(NEW), dated: 10/09/2020. ❖ Intimation of Disapproval & Drawing is attached as **Enclosure 9.** ❖ MCGM issued commencement certificate for the project vide letter no. CHE/ES/4273/L/337(NEW)CC/1/New, dated: 25/03/2021. ❖ Commencement certificate is attached as **Enclosure 10.** ❖ MCGM issued Development Plan 2034 Remarks for the project vide letter no. Ch.E./DP34201904111218253, dated: 24/04/2019. ❖ Development Plan Remarks is attached as **Enclosure 11.** ❖ As per DP Remarks project site falls under

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		Industrial Zone (I). MCGM allow the user permissible in Residential Zone (R) situated in Special Industrial Zone (I-3) vide letter no. DyChE/3147/BPES/L, dated: 16/11/2017. ❖ Industrial to Residential NOC is attached as **Enclosure 12.**
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.	❖ MPCB granted consent to establish for the project vide order no. Format1.0/JD(WPC)UAN no.0000117570/CE-2109001199, dated: 23/09/2021. ❖ Copy of consent to establish is attached as **Enclosure 13**.
vii	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	❖ Actual construction work not yet started Excavation work in progress. ❖ All necessary facilities will be provided on site for Residential and Non-Residential workers. ❖ No residential labors at site, hence Labour Camp not provided at site. Total 5 nos of non-residential workers are working on site. Adequate MCGM water line for drinking and tanker water domestic purpose, 2 nos of toilets have been provided. ❖ Proper housekeeping & regular pest control will be carried out.
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.	❖ Actual construction work not yet started Excavation work in progress. ❖ All necessary facilities will be provided on site for Residential and Non-Residential workers. ❖ No residential labors at site, hence Labour Camp not provided at site. Total 5 nos of non-residential workers are working on site. Adequate MCGM water line for drinking and tanker water domestic purpose, 2 nos of toilets have been provided. Proper housekeeping & regular pest control will be carried out.
ix	The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for	❖ Excavation material and demolition debris will partly reused on site for backfilling and remaining will be disposed to Authorized

Sl. No.	Stipulated Clearance Conditions	Compliance Status
	land filling after recovering recyclable material.	landfill site. ❖ Construction waste material (Brick, blocks, ceramic tiles, marbles etc.) will be partly recycled and will be used for waterproofing work, paving & landscaping areas. ❖ Solid Waste Management Department, MCGM issued SWM NOC vide letter no. 007564/2021/L/ES, dated: 10/05/2021. ❖ SWM NOC is attached as **Enclosure 14**. ❖ Office Of The Additional Collector Mumbai Suburban District issued Excavation permission vide letter no. AC/DESK/IV/MNL/SR-78/2021-22, dated: 04/05/2021. ❖ Excavation Permission is attached as **Enclosure 15**.
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.	❖ Excavation material and demolition debris will partly be reused on site for backfilling and remaining will be disposed to Authorized landfill site. ❖ Construction waste material (Brick, blocks, ceramic tiles, marbles etc.) will be partly recycled and will be used for waterproofing work, paving & landscaping areas. ❖ Solid Waste Management Department, MCGM issued SWM NOC vide letter no. 007564/2021/L/ES, dated: 10/05/2021. ❖ Office Of the Additional Collector Mumbai Suburban District issued Excavation permission vide letter no. AC/DESK/IV/MNL/SR-78/2021-22, dated: 04/05/2021.
xi	Arrangement shall be made that waste water and storm water do not get mixed.	❖ Proper management of channelization of storm water from site by using proper internal SWD system and discharge points of adequate capacity. ❖ Use of screens and silt traps to SWD. ❖ Proper maintenance of storm water drainage to avoid choking of drains and flooding on site, storm water drains will be constructed strictly in accordance to the governing authority regulations. ❖ STP of capacity 145 KLD will be provided based on MBBR technology for the treatment of waste water.

Sl. No.	Stipulated Clearance Conditions	Compliance Status
xii	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	❖ There was an existing structure on site which has been demolished, and site will developed into Residential and Commercial development. The site was in Special Industrial Zone as per the DP Remarks; hence topsoil excavated will be negligible.
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.	❖ Excavation material and demolition debris will partly reused on site for backfilling and remaining will be disposed to Authorized landfill site. ❖ Construction waste material (Brick, blocks, ceramic tiles, marbles etc.) will be partly recycled and will be used for waterproofing work, paving & landscaping areas.
xiv	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agriculture Department.	❖ Recreational Green area will be developed over an area of 1235.47 Sq. meters with 90 (73 New + 17 Retain) nos of different trees.
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.	❖ Groundwater accumulation was monitored in boreholes during and after completion of drilling activities, level of the groundwater table was observed at depth between 4.50 M to 6.00 M below ground level in the boreholes. Seasonal and annual fluctuations in ground water levels can be expected to occur. No extraction of Ground water for construction purpose. ❖ Soil quality is being monitored. ❖ Copy of Environmental monitoring reports is enclosed as **Enclosure 16.**
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.	❖ No generation of hazardous waste during construction.
xvii	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the MPC Board.	❖ No generation of hazardous waste during construction.
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.	❖ No use of DG sets during construction.

Sl. No.	Stipulated Clearance Conditions	Compliance Status
xix	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	❖ No use of DG sets during construction.
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.	❖ Vehicles with valid PUC are allowed to enter the site. Vehicles are operated only during non-peak hours. Record of PUC certificates maintained at security gate. ❖ Copies of PUC certificates are enclosed as **Enclosure 17.**
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.	❖ Ambient air and Noise levels monitoring will be carried out. ❖ Copies of Environmental monitoring reports are enclosed as **Enclosure 16.**
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).	❖ Agreed to comply with. ❖ Construction work yet to start. ❖ We will use 43 & 53 grade OPC cement in building construction. ❖ Use of cement containing Fly Ash.
xxiii	Ready mixed concrete must be used in building construction.	❖ Agreed to comply with. ❖ Construction work yet to start. ❖ Ready Mixed Concrete will used in building construction.
xxiv	Storm water control and its re-use as per CGWB and BIS standards for various applications.	❖ Proper management of channelization of storm water from site by using proper internal SWD system and discharge points of adequate capacity. ❖ Use of screens and silt traps to SWD. ❖ Provision of Rain Water Harvesting system, RWH tank of capacity 60 KL will be provided.
xxv	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	❖ Agreed to comply with. ❖ Construction work yet to start. ❖ Ready Mixed Concrete will used in building construction.
xxvi	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	❖ Groundwater accumulation was monitored in boreholes during and after completion of drilling activities, level of the groundwater table was observed at depth between 4.50

Sl. No.	Stipulated Clearance Conditions	Compliance Status
		M to 6.00 M below ground level in the boreholes. Seasonal and annual fluctuations in ground water levels can be expected to occur. No extraction of Ground water for construction purpose. ❖ Soil quality is being monitored. ❖ Copy of Environmental monitoring reports is enclosed as **Enclosure 16.**
xxvii	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.	❖ STP of capacity 145 KLD will be provided based on MBBR technology for the treatment of waste water. ❖ Treated sewage will be re-used for flushing and gardening to reduce fresh water demand. ❖ STP details are enclosed as **Enclosure 18.**
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	❖ We are not using ground water for construction purposes also we are not planning to withdraw ground water for any purpose in future.
xxix	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	❖ Dual plumbing line will be provided for buildings for using the treated wastewater for flushing and gardening.
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.	❖ Water saving practices like dual flush cisterns, low loss plumbing fixtures and flow control devices will be installed.
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.	❖ It is proposed to insulate the roofs of these buildings to minimize the heat gain and in turn saving the electricity. If necessary, will Use High Quality Double Glass with Special Reflective coating in windows.
xxxii	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	❖ It is proposed to insulate the roofs of these buildings to minimize the heat gain and in turn saving the electricity. If necessary, will Use High Quality Double Glass with Special Reflective coating in windows.

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xxxiii	Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.	❖ Energy conservation measures to be provided are as follows; • Better Envelope Design • Lower Lighting Loads • Efficient Air Conditioning System • Efficient Pumps & Motors • Solar PV System 22.59% energy saved as per Conventional Base Case. 3.27% energy saved as per ECBC 2007 Base Case. Energy Saving Statement is enclosed as **Enclosure 4.**
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 MPCB.	❖ 2 DG sets of capacity 400 kVA each is proposed for emergency backup during power failure in operation phase.
xxxv	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	❖ Recreational Green area will be developed over an area of 1235.47 Sq. meters with 90 (73 New + 17 Retain) nos of different trees. ❖ Also, the proposed DG sets will be acoustic enclose type. ❖ Noise monitoring report is attached as an **Enclosure 16.**
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.	❖ Public road and public areas are not being used for project activity purpose and are free for smooth traffic movement. ❖ Provision is made for adequate parking facilities within the project site for construction vehicles. ❖ Provision of Internal road with adequate width. ❖ The traffic congestion will be avoided by proper parking arrangement and maintaining smooth traffic flow.

Sl. No.	Stipulated Clearance Conditions	Compliance Status
xxxvii	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	❖ Agreed to comply with.
xxxviii	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	❖ 1 Building with 4 wings.
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 of the above measures will be monitored regularly to avoid disturbance to surrounding under competent person.
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.	❖ Obtained Environmental clearance from SEIAA, Govt. of Maharashtra vide letter no. SIA/MH/MIS/143467/2020, dated: 27/10/2020. ❖ Copy of Environmental clearance is attached as an **Enclosure 19.**
Xli	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.	❖ Submitting six monthly compliance reports to; ❖ RO, MPCB, Sion, Mumbai. ❖ RO, CPCB, Vadodara. ❖ RO, MoEF & CC, Nagpur. ❖ Environment Department, Mantralaya.
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.	❖ STP of capacity 145 KLD will be provided based on MBBR technology for the treatment of waste water. ❖ Treated sewage will be re-used for flushing and gardening to reduce fresh water demand. ❖ Segregation will be done of Non-biodegradable and biodegradable garbage on site. ❖ Bio degradable garbage will be treated in OWC (Organic Waste Convertor). ❖ Non- biodegradable garbage will be send to recyclers. ❖ STP Sludge will use as manure within the premises for plants. ❖ Recreational Green area will be developed over an area of 1235.47 Sq. meters with 90 (73 New + 17 Retain) nos of different trees.

Sl. No.	Stipulated Clearance Conditions	Compliance Status
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.	❖ Segregation will be done of Non-biodegradable and biodegradable garbage on site. ❖ Bio degradable garbage will be treated in OWC (Organic Waste Convertor). ❖ STP Sludge will use as manure within the premises for plants.
Xliv	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	❖ STP of capacity 145 KLD will be provided based on MBBR technology for the treatment of waste water. ❖ Treated sewage will be re-used for flushing and gardening to reduce fresh water demand. ❖ Segregation will be done of non-biodegradable and biodegradable garbage on site. ❖ Bio degradable garbage will be treated in OWC (Organic Waste Convertor). ❖ Non- biodegradable garbage will be sent to recyclers. ❖ STP Sludge will use as manure within the premises for plants. ❖ Recreational Green area will be developed over an area of 1235.47 Sq. meters with 90 (73 New + 17 Retain) nos of different trees.
Xlv	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	❖ A complete set of all the documents has been submitted to MPCB along with consent to establish application.
Xlvi	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	❖ Noted.
Xlvii	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	❖ Regular supervision of the above measures is being monitored regularly to avoid disturbance to surrounding under competent person.
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.	Separate funds have been allocated for implementation of Environmental protection measures; **During construction phase;** ❖ Capital Cost: Rs. 45.90 Lakhs have been allocated for the entire construction period. **During operation phase;** ❖ Set up Cost: Rs. 103.50 Lakhs & ❖ O & M Cost: Rs. 16.40 Lakhs / Annum.

Sl. No.	Stipulated Clearance Conditions	Compliance Status
Xlix	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in.	❖ After getting Environmental clearance from SEIAA, Govt. of Maharashtra vide letter no. SIA/MH/MIS/143467/2020, dated: 27/10/2020, we published public notice in Navshakti (Marathi) & The Free Press Journal (English) local newspapers. ❖ Advertisement copy is attached as an **Enclosure 20.**
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.	❖ Submitting six monthly compliance reports to; ❖ RO, MPCB, Sion, Mumbai. ❖ RO, CPCB, Vadodara. ❖ RO, MoEF & CC, Nagpur. ❖ Environment Department, Mantralaya.
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.	❖ Environmental clearance copy submitted to MCGM.
lii	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, NOx (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	❖ We will upload the copies of EC and six monthly compliance reports on our website.
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.	❖ Submitting six monthly compliance reports to; ❖ RO, MPCB, Sion, Mumbai. ❖ RO, CPCB, Vadodara. ❖ RO, MoEF & CC, Nagpur. ❖ Environment Department, Mantralaya.

Sl. No.	Stipulated Clearance Conditions	Compliance Status
lix	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 RO of MoEF by e-mail.	❖ Environmental statement will be submitted on MPCB web portal for the FY 2020-21.
4	The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.	❖ Noted.
5	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 EPA, 1986.	❖ Noted.
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.	❖ Noted.
7	Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amended time to time.	❖ Noted.
8	In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.	❖ Noted.

Sl. No.	Stipulated Clearance Conditions	Compliance Status
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.	❖ Noted.
10	Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1stFloor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	❖ Noted.

Compliance as per

Monitoring the Implementation of Environmental Safeguards

Ministry of Environment, Forests & Climate Change

Regional Office (WCZ), Nagpur

Monitoring Report

DATA SHEET

1	Project type: River - valley/ Mining / Industry / Thermal / Nuclear / Other (specify)	:	Construction Project.
2	Name of the project	:	Proposed 'Residential and Commercial project at CTS nos. 657, Survey no. 17, Safed Pool, Andheri-Kurla Road, Village Mohili, 'L' Ward, Mumbai – 400072. Maharashtra.
3	Clearance letter (s) / OM No. and Date	:	Obtained Environmental clearance from SEIAA, Govt. of Maharashtra vide letter no. SIA/ MH/MIS/143467/2020, dated: 27/10/2020.

<table>
<tr><td>4</td><td colspan="4">Location</td></tr>
<tr><td></td><td>a.</td><td>District (S)</td><td>:</td><td>Mumbai.</td></tr>
<tr><td></td><td>b.</td><td>State (S)</td><td>:</td><td>Maharashtra.</td></tr>
<tr><td></td><td>c.</td><td>Latitude/ Longitude</td><td>:</td><td>Lat : 19° 5'49.75" N
Long : 72°53'5.02" E</td></tr>
<tr><td>5</td><td colspan="4">Address for correspondence</td></tr>
<tr><td></td><td>a.</td><td>Address of Concerned Project Chief Engineer
(with pin code & Telephone / telex / fax number)</td><td>:</td><td>Mr. Sudarshan Barapate,
601, Orbit Plaza, New Prabhadevi,
Prabhadevi Road, Mumbai – 400 025.</td></tr>
<tr><td></td><td>b.</td><td>Address of Executive Project: Engineer/Manager
(with pin code/ Fax numbers)</td><td>:</td><td>Mr. Shubham Dubey,
601, Orbit Plaza, New Prabhadevi,
Prabhadevi Road, Mumbai – 400 025.</td></tr>
<tr><td>6</td><td colspan="4">Salient features</td></tr>
<tr><td></td><td>a.</td><td>of the project</td><td>:</td><td>1 Building with 4 wings (A to D) with separate podium for RG & swimming pool:

<table><tr><th>Wings</th><th>Nos of floors</th></tr><tr><td>Wing A, B & C: (Residential)</td><td>2 Basements + Ground Floor + 1st to 12th floor.</td></tr><tr><td>Wing D: (Commercial)</td><td>3 Basements + Ground floor + lst to 11th floor.</td></tr></table></td></tr>
<tr><td></td><td>b.</td><td>of the environmental management plans</td><td>:</td><td>Separate funds have been allocated for implementation of Environmental protection measures;

During construction phase;
❖ Capital Cost: Rs. 45.90 Lakhs have been allocated for the entire construction period.
During operation phase;
❖ Set up Cost: Rs. 103.50 Lakhs &
❖ O & M Cost: Rs. 16.40 Lakhs / Annum.</td></tr>
<tr><td>7</td><td colspan="4">Breakup of the project area</td></tr>
<tr><td></td><td>a.</td><td>submergence area forest & non-forest</td><td>:</td><td>Not Applicable.</td></tr>
<tr><td></td><td>b.</td><td>Others</td><td>:</td><td>❖ FSI area: 19,447.66 Sq. mt.
❖ Non-FSI area: 15,444.50 Sq. mt.
❖ Total Built-up area: 34,892.16 Sq. mt.</td></tr>
</table>

8	Breakup of the project affected Population with enumeration of that losing houses/dwelling unit's Only agricultural land only, both Dwelling units & agricultural Land & landless laborers/artisan.		:	Not Applicable.
	a.	SC, ST/Adivasis	:	Not Applicable.
	b.	Others (Please indicate whether these Figures are based on any scientific And systematic survey carried out Or only provisional figures, it a Survey is carried out give details And years of survey)	:	Not Applicable.
9	Financial details			
	a.	Project cost as originally planned and subsequent revised estimates and the year of price reference.	:	Project Cost: Rs. 142.34 Cr.
	b.	Allocation made for environ-mental management plans with item wise and year wise Break-up.	:	Separate funds have been allocated for implementation of Environmental protection measures; **During construction phase;** ❖ Capital Cost: Rs. 45.90 Lakhs have been allocated for the entire construction period. **During operation phase;** ❖ Set up Cost: Rs. 103.50 Lakhs & ❖ O & M Cost: Rs. 16.40 Lakhs / Annum.
	c.	Benefit cost ratio/Internal rate of Return and the year of assessment	:	--
	d.	Whether (c) includes the Cost of environmental management as shown in the above.	:	--
	e.	Actual expenditure incurred on the project so far	:	**Rs. 32.84 Crores**
	f.	Actual expenditure incurred on the Environmental Management plans so	:	**Rs. 9,26,300/-**
10	Forest land requirement			
	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 program in the light of actual field experience so far	:	Not Applicable.

11	The status of clear felling in Non-forest areas (such as submergence area of reservoir, approach roads), it any with quantitative information		:	Nil
12	Status of construction		:	Excavation work in progress, actual construction work yet to start. Excavation done for Residential building upto September 2021 is 73025 Brass.
	a.	Date of commencement (Actual and/or planned)	:	Actual construction work yet to start.
	b.	Date of completion (Actual and/of planned)	:	31/12/2025 (Planned)
13	Reasons 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	:	--
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.)		:	--

ENGINEERING CREATIONS PUBLIC HEALTH CONSULTANCY PVT. LTD

05.03.2020

Project :- Mohili, Pride Group

Subject :- Sewage treatment Plant Details

The proposed project consists of Residential Buildings. The sanitary waste will be typically generated through the Toilets and Kitchen. The entire waste generated in form of black & grey water will be treated in the STP. The treated recycled water will be used for gardening and flushing purpose.

1.1 Calculation for STP Capacity:

Total Domestic water requirement	-	88,330 litres/day
Total Flushing water requirement	-	60,980 litres/day
Total water Demand	-	1,49,310 litres/day
Expected Sewage Generation - Residential 90%	-	1,34,379 litres/day

Therefore the plant is designed for an average capacity of **160 cu.m/day.**
Approximately area required shall be **116 sq.m**.

1.2 **Raw Sewage characteristics**

1.2.1 Expected Characteristics of Raw Domestic Sewage

- pH : 7 to 8
- Suspended Solids : 300 mg/l. - 350 mg/l.
- BOD 3 days AT 27^0 C : 250 mg/l. - 300 mg/l.
- COD : 500 mg/l. - 600 mg/l.
- Oil & Grease : 20-25 mg/l.

1.3 **Characteristics of treated sewage.**

1.3.1 Treated Domestic Sewage shall conform to the following characteristics.

- pH : Around 7 to 8.5
- Suspended Solids : Less than 20 mg/l.
- BOD 3 days AT 27^0 C : Less than 10 mg/l.
- Oil & Grease : Less than 10 mg/l.

1.4 Expected Treatment

The sewage treatment plant will be Aerobic Process Type with tertiary treatment facilities. The treated

sewage shall be reclaimed and used for Flushing, & Landscaping requirement within Project area.

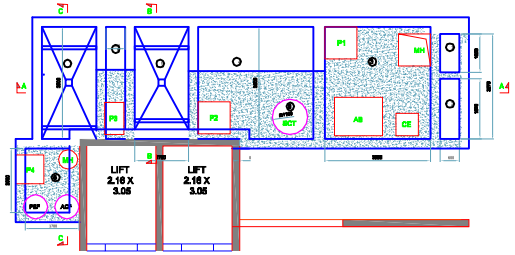
1.5 The Treatment Plant shall broadly consist of the following.

1. Raw Sewage Pumps for Treatment
2. Receiving sump with air-grid in R.C.C.
3. Oil / Grease Removal in R.C.C.
4. Screen Chamber in R.C.C, with M.S screens
5. Air blowers.
6. Aeration tanks (with or without media)
7. Plate Settlers.
8. Return Sludge Pumps.
9. Sludge Filter Press.
10. Sludge Pumps.
11. Multigrade sand filter
12. Activated Carbon filter
13. U.V. filter
14. Post Chlorination
15. Interconnecting pipe work complete with valve, fittings etc, interconnection between pumps, tanks and filters.
16. Instruments such as Pressure Gauges, Rotameters, Auto Level Controllers, Flow Indicators, etc.
17. Motor control panel complete with starters, push buttons, indicating lamps, isolating switches, fuse unit, single phase preventer, overload protection, all cabling and wiring.
18. Walkways and ladders in Hot Dip galvanised sections.
19. All initial media charge and consumables as required, until final acceptance.

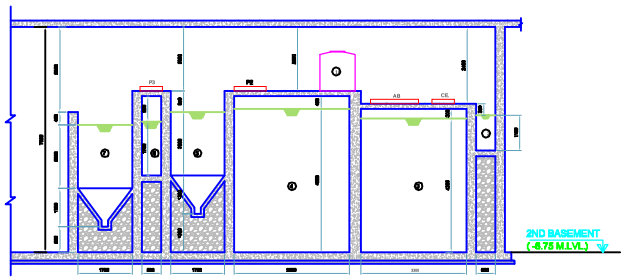
With Regards
E.C.P.H.C.P.L

Authorized Sign

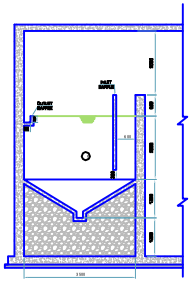
STP SECTION



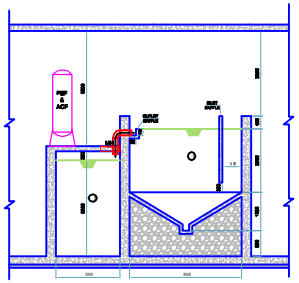
PLAN



SECTION : A - A



SECTION : B - B



SECTION : C - C

STP PROCESS UNIT					
SR. NO.	DESCRIPTION	SIZE IN METER	VOLUME IN m^3	MOC.	QTY.
1	BAR SCREEN	0.60 x 1.20 x 0.760 SWD.	0.54	RCC	1 NO.
2	OIL & GREASE TRAP	0.80 x 1.60 x 1.10 SWD.	1.55	RCC	1 NO.
3	EQUALISATION TANK	3.30 x 3.00 x 4.50 SWD.	49.83	RCC	1 NO.
4	AERATION TANK	3.60 x 3.60 x 4.60 SWD.	68.73	RCC	1 NO.
5	SED. TUBE SETTLER TANK	1.70 x 3.60 x 3.60 SWD.	11.20	RCC	1 NO.
6	REACTION TANK	0.600 x 3.60 x 1.70 SWD.	3.59	RCC	1 NO.
7	TER. TUBE SETTLER TANK	1.70 x 5.60 x 5.60 SWD.	11.20	RCC	1 NO.
8	FILTER FEED TANK	1.70 x 5.20 x 3.00 SWD.	10.20	RCC	1 NO.
9	SLUDGE TANK	Ø 1.10 x 1.650 HT.	1.5	HDPE	1 NO.

MECHANICAL UNIT			
MARK	DESCRIPTION	MOC.	QTY.
P1	SEWAGE TRANSFER PUMP	CI	2 NOS. (1W + 1SB)
P2	BIO-SLUDGE RECYCLE PUMP	CI	2 NOS. (1W + 1SB)
P3	SLUDGE WITHDRAWAL PUMP	CI	1 NO.
P4	FILTER FEED PUMP	CI	2 NOS. (1W + 1SB)
AB	AIR BLOWER	CI	2 NOS. (1W + 1SB)
CS	CENTRIFUGE	SS	1 NO.
PSF	PRESSURE SAND FILTER	MSR/FRP	1 NO.
ACF	ACTIVATED CARBON FILTER	MSR/FRP	1 NO.
BS	BAR SCREEN	MSR/SS	1 NO.
HDS	HYDRO DOSING SYSTEM (TANK & PUMP)	HDPE & PP	1 NO.

NOTE :-

1. ALL DIMENSION ARE IN MM.
2. ALL WALL THICKNESS SHOWN IN THE DRAWING IS TENTATIVE ACTUAL WALL THICKNESS AS PER RCC CONSULTANTS.
3. VENTILATION SYSTEMS, TREATED WATER DISPOSAL SYSTEM & SPILLAGE SUMP WITH DISPOSAL SYSTEM TO BE PROVIDED.

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/MIS/143467/2020
Environment Department
Room No. 217, 2nd Floor,
Mantralaya,
Mumbai- 400032.
Date: 29.10.2020.

To
M/s. Landcare Realty LLP
CTS No. 657, Survey No. 17,
Safed Pool, Andheri Kurla Road,
Village Mohili, L ward Mumbai.

Subject : Environmental Clearance for Proposed Residential and Commercial Project at CTS No. 657, Survey No. 17, Safed Pool, Andheri Kurla Road, Village Mohili, L ward, Mumbai - 400072 by M/s Landcare Realty LLP

Reference Application no. SIA/MH/MIS/143467/2020

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC 2 in its 131st meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 205th meeting of State Level Environment Impact Assessment Authority (SEIAA).

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

1.	Plot Area	6,750.17 Sq. mt.
2.	FSI Area	19,447.66 Sq. mt.
3.	Non FSI Area	15,444.50 Sq. mt.
4	Total Built up Area (FSI & Non FSI)	34,892.16 Sq. mt.
5	Building Configuration	1 Building with 4 Wings (A to D) with separate podium for RG and Swimming pool (Total Flats : 141 nos, Shops & Offices) Wing A, B & C (Residential) 2 Basements + Ground floor + 1st to 12th floor Wing D (Commercial) : 3 Basements + Ground floor + 1st to 11th floor
6	Total Population	1768 nos.
7	Water Requirement	194 KLD
8	Sewage generation	125 KLD
9	STP capacity and Technology	1 STP of capacity 145 KL
10.	STP location	Basement

11.	RG area required and Provided	RG area requirement: 1201.68 Sq.mt. RG area provision: 1235.47 Sq.mt.
12.	Energy requirement	Connected load : 2361 KW Maximum demand : 1417 KW
13.	Total Energy Saving Energy saving by Solar	22% 5%
14	No. of DG sets and capacity	2 DG sets of capacity 4000 kVA each.
15.	Solid waste generation	Non-biodegradable waste: 260 Kg/day Biodegreable waste : 173 Kg/day
16.	OWC Capacity	Area for solid waste management: 30 Sq.mt Space provision for E-waste storage : 27 Sq.mt.
17.	Parking	4 Wheeler: 321 Nos. 2 Wheeler: 26 Nos
18.	EMP Cost	**Construction Phase :** Rs. 45.90 Lacs **Operation Phase :** Capital cost : Rs. 10.50 Lacs Operational and Maintenance cost : Rs. 16.80 Lacs/annum
19	Rain Water Harvesting	Provision of RWH tank of capacity 60 KL
20	Number of rectangular pits and sizes of the pits	
21	Details of UGT tanks – Number and capacity	Domestic : 68 KL Flushing : 45 KL Firefighting : 400 KL
22	CER	CER plan as per the MoEF & CC circular dated 01/05/2018 **Project Cost:** Rs. 142.34 Crores **Cost for CER:** Rs. 2.13 Crores (1.5 % of project cost)

3 The proposal has been considered by SEIAA in its 205th meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

A. **SEAC Conditions-**

I. PP to submit the sewerage network, water supply, storm water drain NOC from local planning authority.

II. PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect 10%

III. Nalla adjoining the project shall neither be diverted nor be covered by slab

IV. 6 meter separate motorable road without any obstruction shall be provided for maintenance & up keeping of Nalla

V. Treated Sewage discharge to be restricted to 35% only.

VI. The energy savings from renewable energy shall be 5.16%

VII. PP to abide all conditions prescribed in CFO NOC.

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.

B. SEIAA Conditions-

I PP to ensure that CER plan gets approved from Municipal Commissioner.

II 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.

III SEIAA decided to grant EC for - FSI 7128.55 m2, Non-FSI: 13772.83 m2 and Total BUA: 21301.18 m2 (Plan Approval date CE/1/FS/4271/537(New)/337/P/Amend. dated 10.09.2020)

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 Environment (Protection) Rules prescribed for air and noise emission standards

XIX. The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern Authority shall be taken

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 use as per CGWB and BIS standards for various applications.

XXV. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

XXVI. The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.

XXVII. The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/ reused 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 aspirational 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 the 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, NOx (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

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

LIV. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended

subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail

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

Manisha Patanjkar-Mhaiskar
(Member Secretary, SEIAA)

Copy to

1. Shri Johny 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 Suburban.
7. Commissioner, Municipal Corporation of Greater Mumbai
8. Regional Officer, Maharashtra Pollution Control Board, Mumbai.

मुंबई येथील न्यायाधिकारितेच्या उच्च न्यायालयात
मृत्युपत्र आणि विनामृत्युपत्र न्यायाधिकरण
याचिका क्र. १३०० सन २०२१

आदेशन पत्र

उज्ज्वला नारायण जोशी, हिंदू, मुंबईची भारतीय रहिवासी, व्यवसाय : निवृत्त, विधवा, त्यांच्या मृत्युसमयी त्यांचा पत्ता सत्संजीवन, वृध्दाश्रम, नारायण पेठ, पुणे - ४११०३० येथे आणि यापूर्वी पत्ता २४, अमीर मॅन्शन, पहाडी म्युनिसिपल शाळेसमोर, जय प्रकाश नगर, गोरेगाव (पूर्व), मुंबई - ४०००६३ येथे होता, त्यांच्या अंतिम इच्छापत्र आणि मृत्युपत्र प्रमाणपत्राकरिता याचिका.

....मयत

१. मुकेश रामचंद्र फाटक, वय ७० वर्षे, हिंदू, पुण्याचे भारतीय रहिवासी, व्यवसाय : निवृत्त, राहणार बी-२०२, रोहिणी को-ऑप. हाऊसिंग सोसायटी लिमिटेड, प्लॉट क्र. ५४३, सिंहगड रोड, जुना ऑफ्ट्रॉय नाका, पर्वती, पुणे शहर - ४११०३० येथे.
२. मीना मुकेश फाटक, वय ६३ वर्षे, हिंदू, पुण्याचे भारतीय रहिवासी, व्यवसाय : निवृत्त, राहणार बी-२०२, रोहिणी को-ऑप. हाऊसिंग सोसायटी लिमिटेड, प्लॉट क्र.-५४३, सिंहगड रोड, जुना ऑफ्ट्रॉय नाका, पर्वती, पुणे शहर - ४११०३० येथे दोघेही उपरोक्त नामित मयत व्यक्तीच्या अंतिम इच्छापत्र आणि मृत्युपत्र प्रमाणपत्रान्वये मृत्युपत्र व्यवस्थापक/मृत्युपत्र व्यवस्थापिका म्हणून. ...याचिकाकर्ते

प्रति,
१. सर्व संबंधित
२. नीला श्रीपाद लेले
कोठे आहेत माहित नाही
३. कालिंदी कृष्णा साठे
कोठे आहेत माहित नाही
४. गजानन दत्तात्रय जोशी
कोठे आहेत माहित नाही
६५, गोकुळ शॉपिंग सेंटर, एस व्ही रोड, बोरिवली (प.), मुंबई - ४०००९२.

जर तुमचा वरील नमूद मयताच्या मिळकतीमध्ये कोणताही हितसंबंध असल्यास तुम्हाला वरद्वारे जोडलेल्या इच्छापत्र प्रमाणपत्राच्या मंजुरीपूर्वी कार्यवाही पाहण्याचे आदेश देण्यात येत आहेत.

जर तुम्ही इच्छापत्र प्रमाणपत्राच्या मंजुरीला विरोध करण्यास इच्छुक असाल तर तुम्हाला वरद्वारे बजावलेल्या सदर आदेशाच्या सेवेपासून १४ दिवसांत प्रोथोनोटरी ॲण्ड सिनियर मास्टर, यांच्या कार्यालयात कॅव्हिएट दाखल करणे आवश्यक आहे.

"तुम्हाला याद्वारे कळविण्यात येते की, राज्य विधी सेवा प्राधिकरण, उच्च न्यायालय विधी सेवा समिती, जिल्हा विधी [illegible]

जाहीर सूचना

सर्व जनता जनतेस या सूचनेद्वारे असे कळविण्यात येते की, प्रस्तावित पुनर्विकास बांधकाम प्रकल्प संबंधित सिटीएस क्रमांक ६५५, मरोळ पूल, गावठाण, तालुका कुर्ला, मुंबई - ४०००७२ महाराष्ट्र यासाठी विकासक मे. लॅण्डकेअर रिॲल्टी एल.एल.पी.', यांना पर्यावरण विभाग, महाराष्ट्र शासनाकडून मंजुरी पत्र क्रमांक क्र. SIA/MH/MIS/143467/2020, दि. २७/१०/२०२० रोजी देण्यात आली आहे. पर्यावरण मंजुरी पत्राच्या प्रती 'महाराष्ट्र प्रदूषण नियंत्रण मंडळ' व 'पर्यावरण विभाग', महाराष्ट्र शासन यांच्याकडे उपलब्ध आहेत आणि https://parivesh.nic.in या वेबसाइटवरही देखील उपलब्ध आहे.

सही/-
मे. लॅण्डकेअर रिॲल्टी एल.एल.पी.,
६०१, ऑर्किड प्लाझा, न्यू प्रभादेवी मार्ग,
मुंबई ४०००२५, महाराष्ट्र

जाहीर सूचना

श्रीम. कुसुमबेन मनुभाई शाह आणि श्री. मनुभाई जी. शाह हे बोरिवली श्री नेमीनाथ को-ऑप. हाऊसिंग सोसायटी लि., कल्पना पार्क सिंडोली रोड, बोरिवली (पश्चिम), मुंबई-४०० ०९२ चे सभासद असून फ्लॅट क्र. १३०३ आणि विभिन्न क्र. ४४१ ते ४६० शेअर्स धारक असून १२.११.२०१८ व २४.४.२०१९ रोजीस त्यांचे कोणतीही नामनिर्देशन न करता निधन झाले. त्यांचा मुलगा श्री. राकेश मनुभाई शाह यांनी त्यांच्या नावे सदर मयत सभासदांच्या जागी सोसायटीमधील त्यांच्या भांडवलाकरिता आणि सदर फ्लॅट व सदर शेअर्सच्या हस्तांतरणाकरिता सोसायटीला अर्ज केला आहे. सदर सोसायटी हस्तांतरित हस्तांतरणाविरुद्ध दावे आणि आक्षेप मागवित आहे. हे सदर सोसायटीचे सन्मा. सचिव किंवा श्री. पी. सी. सोमय, वकील उच्च न्यायालय, रूम क्र. १०१, एमटी अपार्टमेंट, साईबाबा नगर, बोरिवली (पश्चिम), मुंबई-४०० ०९२ यांच्या कार्यालयात १४ दिवसांच्या आत पुष्ठ्यर्थ कागदपत्रांसह दाखल करावेत, कसूर केल्यास आवश्यक ते करण्यात येईल.

सही/- पी. सी. सोमय
वकील उच्च न्यायालय
ठिकाण : मुंबई दिनांक : ११/०८/२०२१

अधिसूचना

जगजिवन राम हॉस्पिटल, मुंबई सेन्ट्रल, पश्चिम रेल्वे मधील सिनियर रेसिडेन्ट्स आणि हाऊस सर्जन च्या जागेसाठी नियुक्ती करिता पात्र उमेदवाराकडून अर्ज मागविण्यात येत आहेत. दिनांक ११/०८/२०२१ रोजी वॉक-इन-इंटरव्ह्यू मार्फत करण्यात येईल.
ठिकाण: ४ था मजला, ऑडिटोरियम, जगजिवन राम हॉस्पिटल, मराठा मंदिर मार्ग, मुंबई सेन्ट्रल, मुंबई-४०००८
नोंदणी वेळ स. ९.०० ते दु. १२.०० अधिसूचित तारखेस विहित वेळेनंतर प्राप्त झालेली [illegible] विचारात घेतले जाणार नाही.

अ. क्र.	हुद्दा	एकूण जागा		प्रति माह वेतनमान (रु.)	आरक्षण
१	सिनियर रेसिडन्स	जन मेडिसिन	१	७ व्या सीपीसी ची लेवल ११ (अदांजे १,११,०००/- महिना)	युआर-०४ एससी-०१ एसटी-०१ ओबीसी-०२ ईडब्ल्यूएस-[illegible]
		जन अॅनेस्थेसिया	२		
		ओबीएसटी व गायनेक*	१		
		गॅस्ट्रोएंटरोलॉजी	१		
		क्रिटिकल केयर मेडिसिन	१		
		सीव्हीटीएस सर्जरी**	१		
		सीव्हीटीएस अॅनेस्था	१		
		एकूण	१२		
२	ज्युनियर रेसिडेंट	जन मेडिसिन	१	६४,०००	युआर-शून्य एससी-०१ एसटी-शून्य ओबीसी-०१ ईडब्ल्यूएस-[illegible]
		जन सर्जरी	३		
		ओबीएसटी व गायने	१		
		एकूण	५		

* ओबीजीवाय मधील जागा ०१/१०/२०२१ पासून प्रभावी
** सीव्हीटीएस सर्जरी मधील एक जागा ०६/११/२०२१ पासून प्रभावी अधिक माहितीसाठी न्यूज आणि रिक्रुटमेंट सेक्शन अंतर्गत www.wr.indianrailways.gov.in [illegible] कृपया २ सध्याच्या रंगीत छायाचित्रासह वरील वेबसाईट वरून डाऊनलोड [illegible] दाखल केलेले अर्ज प्रपत्र सोबत घेऊन यावे.
नियत वॉक-इन-इंटरव्ह्यू अधिनियमांतर्गत करण्यात येईल. कागदपत्रांची पडताळणी [illegible] जे उमेदवार पात्र आढळतील त्यांना इंटरव्ह्यूसाठी हजर राहण्याची परवानगी देण्यात [illegible] स्वसाक्षांकित प्रतीसह इंटरव्ह्यूच्या वेळी सर्व मूळ कागदपत्र सादर करावे [illegible] वॉक-इन-इंटरव्ह्यूसाठी कोणताही अन्य माहिती कोणाही दिली जाणार नाही.
नमूद केलेल्या जागा भिन्न असू शकतात आणि वर्ग नमूद केलेल्या [illegible] निर्देशाने न भरता रद्द होऊ शकतात.
जगजिवन राम हॉस्पिटल, पश्चिम रेल्वे, मुंबई सेन्ट्रल चो सिनियर रेसिडेंट आणि हाऊस सर्जन ची जागा ही डीएमईआर, महाराष्ट्र, गव्हर्नमेंट पोस्ट युजी/पीजी मध्ये [illegible] साठी मान्यता प्राप्त आहे.

पश्चिम रेल्वे
www.wr.indianrailways.gov.in

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एमटी एज्युकेअर लि.

MT EDUCARE

सीआयएन : एल८०९०३एमएच२००६पीएलसी१६३८८८
नोंदणीकृत कार्यालय : २२०, [illegible] मुंबई - ४०००[illegible]
वेबसाईट : www.mteducare.com, मेल : info@mteducare.com फोन : [illegible]

३० जून, २०२१ रोजी संपलेल्या तिमाहीसाठी अलिप्त आणि एकत्रित लेखापरिक्षित वित्तीय निष्कर्ष (रु. लाखात)

तपशील	अलिप्त			एकत्रित		
	संपलेली तिमाही ३० जून, २०२१	संपलेली तिमाही ३० जून, २०२०	संपलेले वर्ष ३१ मार्च, २०२१	संपलेली तिमाही ३० जून, २०२१	संपलेली तिमाही ३० जून, २०२०	संपलेले वर्ष ३१ मार्च, २०२१
	अलेखापरिक्षित	अलेखापरिक्षित	लेखापरिक्षित	अलेखापरिक्षित	अलेखापरिक्षित	लेखापरिक्षित
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

ठिकाण : मुंबई
दिनांक : [illegible]

UBLIC NOTICE

ur client is negotiating with MR. BEVIS LUIS oor, 43, Turner Road, Bandra (West), Mumbai 400 TS residing at "Luis Villa", Ground Floor, 43, Turner 400 050 and MR. RAYNER LUIS residing at Turner Road, Bandra (West), Mumbai 400 050 in piece and parcel of land admeasuring 624.6 square are yards) bearing old Survey No. 64 Hissa No. 5/6 ot No. 2 of T.P.S. II, Bandra corresponding to CTS dra, Taluka Andheri, Registration District Mumbai rner Road, Bandra (West), Mumbai - 400 050 idential building/structure constructed sometime in wn as "LUIS VILLA" consisting of ground and suring about 224.06 square meters carpet area o. 8 and now bearing Street No. 43, Ward No. H-HW0208050090000 ("Building"). The Land and ollectively referred to as "Property" and more hedule hereunder written.

RSONS having any claim, right, title, benefit, espect of the said Property or any part thereof by , assignment, mortgage (equitable or otherwise) heritance, claim, possession, lease, sub-lease, basis, occupation, settlement, succession, lien, maintenance, easement, partition, pledge, cumbrance by operation of law, decree or order of al Authority, contract/agreements, development and/or arrangement or otherwise, howsoever, the same known by addressing an e-mail to the ven below along with the details of the documents days from the date of publication hereof, failing the said Property shall be completed without any title, benefit, demand, estate or interest and/or shall be deemed to have been waived and/or poses and no such claim will be deemed to exist.

LE REFERRED TO ABOVE:

admeasuring 624.6 square meters (equivalent to Survey No. 64 Hissa No. 5/6 (part) and now II, Bandra corresponding to CTS No. F/1103 of dheri, Registration District Mumbai Suburban dra (West), Mumbai - 400 050 together with the nstructed sometime in the year 1924 thereon nsisting of ground and one upper floor totally are meters carpet area bearing old Municipal Street No. 43, Ward No. H-6084 and Property

, 2021

Sd/-
K. Merchant
me Merchant & Partners
Advocate & Solicitors
8th floor, Nariman Point, Mumbai - 400021.
- (1) kalpana.merchant@jmp.law
(2) simran.kaur@jmp.law

PUBLIC NOTICE

This is to inform to the general public that, the proposed construction of "Residential & Commercial Project at CTS No. 657, Safed Pool, Village Mohili, Taluka Kurla, Mumbai 400072, Maharashtra by developers "Landcare Realty LLP" has been accorded Environmental Clearance from Environment Department, Govt. of Maharashtra vide letter no. SIA/MH/MIS/143467/2020, dated: 27/10/2020, copies of the said Environmental Clearance letters are available with the Maharashtra Pollution Control Board & Environment Department, Govt. of Maharashtra and same may also be seen on the website at http://parivesh.nic.in

Sd/-
Landcare Realty LLP
601, Orion Plaza, New Panbhadev Marg, Mumbai- 25, Maharashtra.

PUBLIC NOTICE

I am concerned for my clients Bhupinder Singh Kirpal Singh who purchased the Flat No. 165 on 3rd Floor in Bldg. No. 4, Punjab Colony, G.T.B. Nagar, J. K. Bhasin Marg, Sion Koliwada, Mumbai-400 037, along with his Father Kirpal Singh, who died on 29.08.2002 leaving behind his two sons Harbhajan Singh & Inderpal Singh who inherited the 50% Share in the said Flat. Now Harbhajan Singh & Inderpal Singh are releasing & relinquishing their right, title, interest in favour of Shri Bhupinder Singh.

Any person having claim, right, title & interest in the said Undivided Share may put their Objection with supporting proof to the undersigned within 7 days from the date of Publication hereof.

Date: 12/08/2021

RAMESH W. PATHAI
Advocate High Court
Reg. No. MAH/1836/88
Bldg. No. 6B, Flat No. 141,
14th Floor, Seva Samiti CHS Ltd.,
Sion Koliwada, Mumbai-400 037

ARNOLD HOLDINGS LTD.

CIN- L65993MH1981PLC282783
-206, Ramji House, 30, Jambulwadi, J.S.S. Road, Mumbai-400 002 TEL: 022 22016640.
E-Mail Id: arnoldholding9@gmail.com Website: www.arnoldholdings.in

Extract of Unaudited Financial Result for the Quarter ended 30th June, 2021

Amount In Lakh Except EPS

	QUARTER ENDED			YEAR ENDED
	30/06/2021	31/03/2021	30/06/2020	31/03/2021
	(Unaudited)	(Audited)	(Unaudited)	(Audited)
tions	1946.030	1859.034	496.886	3733.106
period (before Tax, ordinary items)	47.110	-14.525	8.998	93.678
period before tax Extraordinary items)	47.110	-14.525	8.998	93.678
period after tax Extraordinary items)	47.110	-39.110	8.998	69.094
me for the period for the period (after tax) e Income(after tax))	47.110	-39.110	8.998	69.094
	3007.500	3007.500	3007.500	3007.500
aluation Reserves)as shown in lance Sheet of the				2401.607
Value of Rs. 10/-each)				

WEST LEISURE RESORTS LIMITED

CIN: L65100MH2008PLC177944; Website: www.westleisureresort.co.in
Regd. Office: Office No. 802, Floor-8, Plot -213,
Raheja Chambers, Free Press Journal Marg, Nariman Point, Mumbai -400 021
Tel. No.: 022-22837534; E-mail ID: ho@hewcoindia.com

Statement of Unaudited Financial Results for the Quarter ended 30-06-2021

(₹ in Lacs)

Particulars	Quarter ended		Year ended
	30/6/2021	30/6/2020	31/3/2021
	Unaudited	Unaudited	Audited
Total Income from operations	5.15	9.50	39.75
Net Profit/ (Loss) for the period (before tax, Exceptional and/or Extraordinary items)	1.13	3.77	16.11
Net Profit/ (Loss) for the period before tax (after Exceptional and/or Extraordinary items)	1.13	3.77	16.11
Net Profit/ (Loss) for the period after tax (after Exceptional and/or Extraordinary items)	0.23	2.93	10.42
Total Comprehensive Income for the period [Comprising Profit/ (Loss) for the period (after tax) and other Comprehensive Income (after tax)]	25.15	21.44	(72.65)
Equity Share Capital	305.33	305.33	305.33
Reserves (excluding Revaluation Reserve) as shown in the Audited Balance Sheet of the previous year	-	-	1,836.45
Earnings Per Share (of ₹ 10 each) (for continuing and discontinued operations) Basic & Diluted (in ₹)	0.01	0.10	0.34

Note:
The above is an extract of the detailed format of Quarterly/Annual Financial Results filed with the Stock Exchange under Regulation 33 of SEBI (Listing and Other Disclosure Requirements) Regulations, 2015. Full format of the Financial Results are available on the Website www.bseindia.com

KALYAN DOMBIVLI MUNICIPAL CORPORATION, KALYAN

Tender Notice No. 10/1, 10/2, 11/1, 11/2, 12, 13, 14-2021-2022

Kalyan Dombivli Municipal Corporation, Health Department, Kalyan, Hereby Invited online tender from the Manufactures, Reputed Std. Firms, Authorised Distributors for SITC of Medical Liquid Oxygen Tank - 41 to 50 & 51 to 60 Kl & 5 to 10 Kl, 11 to 15 Kl, 16 to 20 Kl Tanker, Install Dialysis Machnes, R.O. Plants, Supply Paediatric Ventilators, Medicines & Surgical Items for KDMC Hospital. (Tender notice No. 10/1 to 14/2020-21)

3) All Tender forms are available on Website http://mahatenders.gov.in/nicgep.app

2) Online Tender Sale from Dt. 12/08/2021 to 18/08/2021

3) Last date of tender acceptance Dt. 18/08/2021 upto 2.00 p.m.

4) If possible Tender forms will be opened on 20/08/2021 After 3.00 P.M.

5) No Tender forms will be accepted by post/courier services.

6) Hon. Commissioner, Kalyan Dombivli Municipal Corporation reserved the right to accept or reject tender without assigning any reasons thereof.

7) Tender must be Upload on website http://mahatenders.gov.in/nicgep.app

8) Before submitting Tender register your firm & digital signature contact Helpline No. 18002337315

KDMC/PRO/HQ/394
Dt. 11/08/21

Sd/-
I/c. Medical Officer of Health
Kalyan Dombivli Municipal Corporation
Kalyan

Bank of India

Churchgate Branch
Eros Theatre Building Jamshedji Tata Road, Post Box No. 1276, Churchgate, Mumbai-400 020,
Tel. No. 022 22884867, 22022561

APPENDIX IV
SEE RULE [8 (1)]
POSSESSION NOTICE

MUNICIPAL CORPORATION OF GREATER MUMBAI

NO. Ch.E./DP34201904111218253 D.P. Rev. dt. Refer Inward Number: L/2019/111218259 Payment Dated 24/04/2019

Office of the Chief Engineer (Development Plan)
Municipal Head Office, 5th Floor,
Annex Building, Fort,
Mumbai - 400 001

To,

Mr./Mrs. shashikant laxman jadhav
B-106,natraj bldg mulund goregaon link road,mulund west

Sub: Development Plan 2034 remarks in respect to Land Bearing C.T.S. No(s) 657 of MOHILI Village situated in L Ward, Mumbai.

Ref : Application u/no. L/2019/111218259 Payment Challan No. DP34201904111218253 Dated 24/04/2019 certifying payment of charges made under Receipt no. 18200017810 Dated 24/04/2019

Gentleman/Madam,

With reference to above, Development Plan 2034 remarks sanctioned by GoM in respect of subject land boundaries, shown in blue color boundary on the accompanied plan, are as follows.

Description	Nomenclature	Remarks
CTS No.	657	
Village	MOHILI	
Development Plan 2034 referred to Ward	L	
Zone [as shown on plan]	Industrial(I)	
Roads affecting the Land [as shown on plan]	Existing Road	Present
	Proposed Road	NIL
	Proposed Road Widening	Proposed Road 18.3 m
Reservation affecting the Land [as shown on plan]	NO	
Reservation abutting the Land [as shown on plan]	NO	
Existing amenities affecting the Land [as shown on plan]	NO	
Existing amenities abutting the Land [as shown on plan]	NO	
Whether a listed Heritage building/ site:	~~Yes~~ / No	
Whether situated in a Heritage Precinct:	~~Yes~~ / No	
Whether situated in the buffer zone/Vista of a listed Grade- I heritage site:	~~Yes~~ / No	
Whether a listed archaeological site (ASI):	~~Yes~~ / No	
Whether situated in the buffer zone/Vista of a listed archaeological site (ASI):	~~Yes~~ / No	

Note:

The remarks are offered based on the records of CS/CTS boundaries/CS/CTS Nos available with this office. However the boundaries shown in the records of City Survey Office shall supersede those shown on the DP Remarks Plan.

Demarcation: The Alignment of the proposed road/R.L. and boundaries of reservations and their area are subject to the actual demarcation on site by E.E.T&C./A.E.(Survey) as case may be.

Remarks are offered only from the zoning point of view without reference to ownership and without carrying out actual site inspection and without verification of the status of the structures if any on the land under reference. Status of the existing road, if any, shall be confirmeed from the concerned Ward Office.

The DP Remarks and Plan shall be read with notification no. TPB.4317/629/CR-118/2017/UD-11 dt. 8.11.2017, TPB.4317/778/CR-267/2017/UD-11 dt. 7.2.2018, TPB.4317/629/CR-118/2017/DP/UD-11 dt 8.5.2018 & TPB.4317/629/CR-118/2017/EP/UD-11 dt.8.5.2018 before granting any development permission on the land/s. (For the Sanctioned Modification & Excluded Portion the link for notification is as under:-

Notifications:

MCGM Home Page (portal.mcgm.gov.in)> Ward & Departments> Chief Engineer - Development Plan>Docs> Sanctioned DP2034

Plans:

EP Sheets:- MCGM Home Page (portal.mcgm.gov.in)> Ward & Departments> Chief Engineer - Development Plan>Docs> Sanctioned DP2034> Development Plan 2034 (Excluded Part) EP Sheets, 8th May 2018 - For Suggestions / objections by Government

SM Sheets:- MCGM Home Page (portal.mcgm.gov.in)> Ward & Departments> Chief Engineer - Development Plan>Docs> Sanctioned DP2034> Development Plan 2034(sanctioned part) SM sheets, 8th May 2018

Additional Information

Water pipeline Remark:

Water pipeline near the plot (3.69 meters far) has 150 mm pipe diameter.

Sewerline Remark:

Sewer Manhole near the plot (Node No. 20234303, 5.60 meters far) has invert level 26.50 meters with reference to Town Hall Datum (THD).

Drainage Remark:

Drain Manhole near the plot (Node ID 2177123904, 4.47 meters far) has invert level 29.24 meters with reference to Town Hall Datum (THD).

Ground level:

The plot has minimum 31.00 meters and maximum 34.00 meters ground level with reference to Town Hall Datum (THD)

RL Remark:

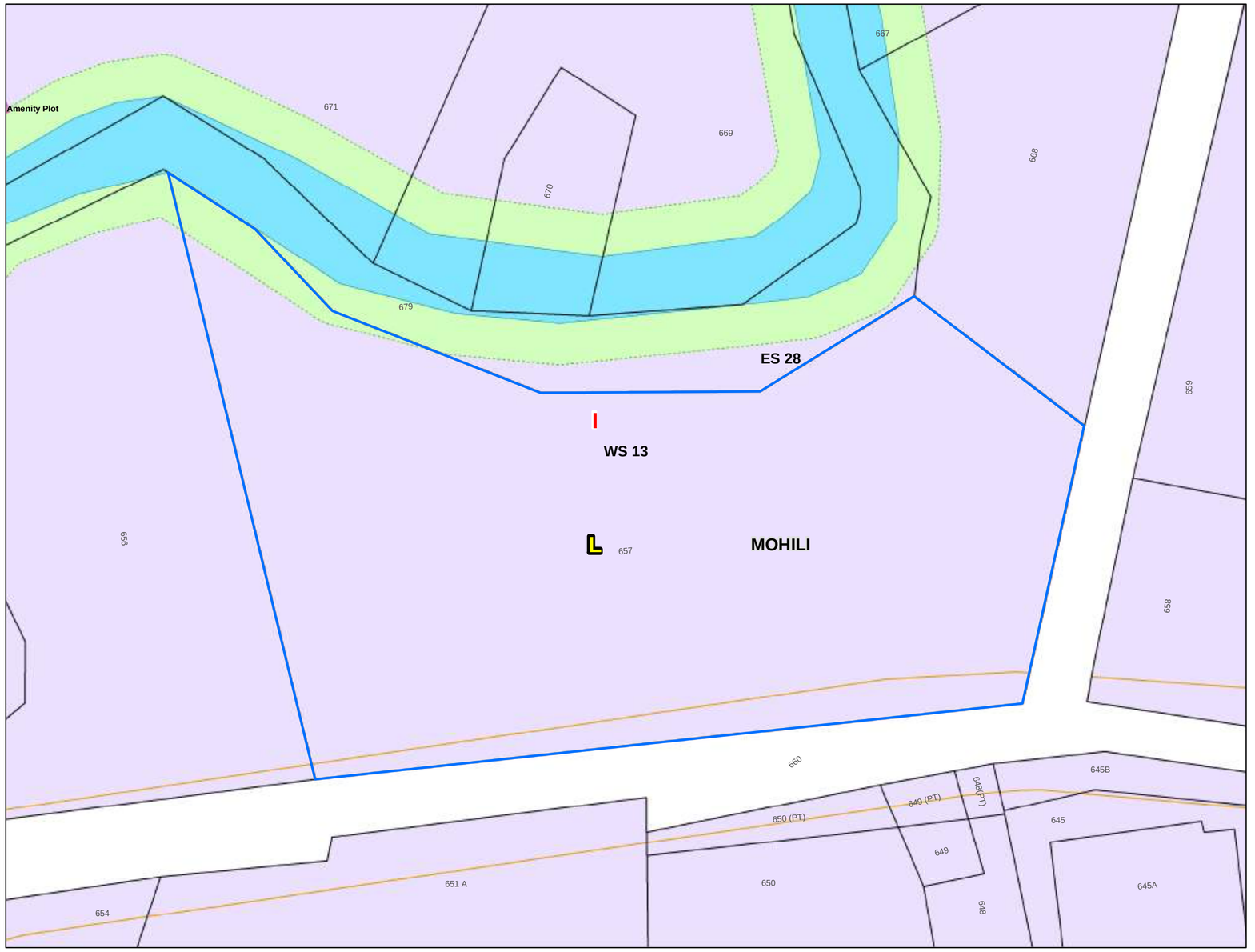
REGULAR LINE REMARKS (Traffic):
As far as Traffic department is concerned, there is no any proposed or sanctioned Regular Line/Road Line at present along the plot C.T.S. No.(s) 657 of Village/Division MOHILI in L ward of M.C.G.M. as shown bounded blue on accompanying plan.
You are also requested to obtain remarks from Asst. Engineer (Survey) L Ward.The earlier R.L. Remarks issued by this office if any shall be treated as cancelled.
The above remarks are issued without prejudice to the ownership, status of the structure, plot boundaries and will supercede to the earlier remarks and shall be valid for one year from the date of its issue.

Natural Water Course:

The land under reference is under influence zone of waterbody hence specific remark from the concerned Authority should be obtained separately before taking up any development on the land

Acc: As Plan

Note: The above information is as per the data received from concerned MCGM Departments.

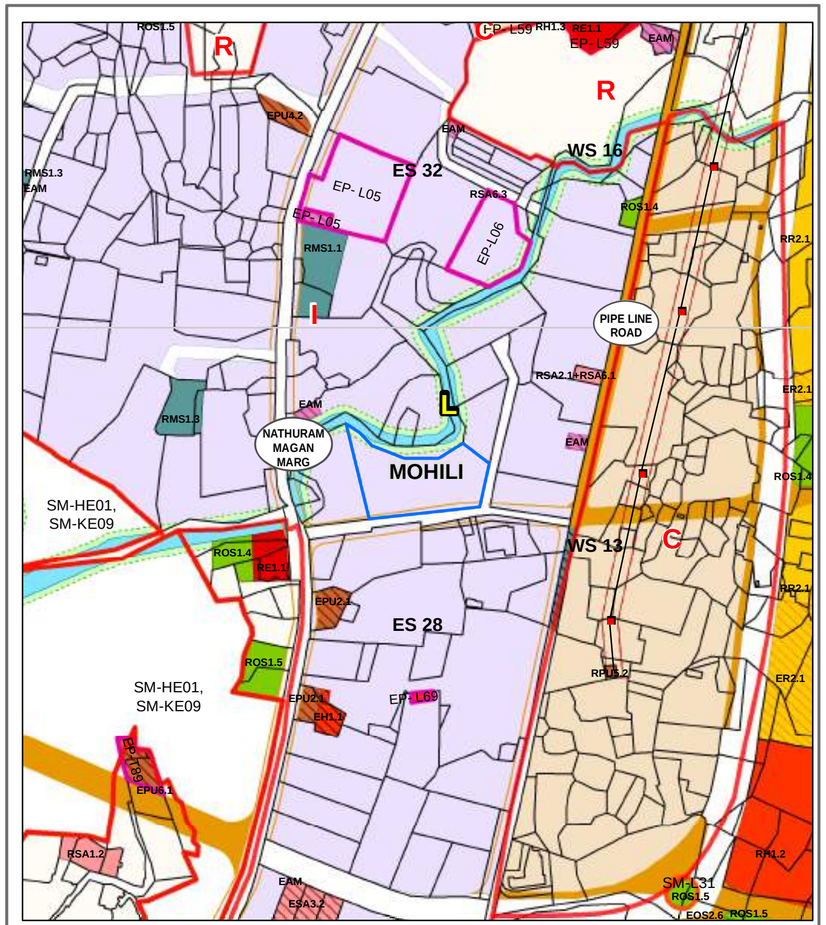


N

BLOCK PLAN

Scale 1:500

Land Bearing C.T.S.No(s) 657 of MOHILI Village in L Ward



N

LOCATION PLAN

Scale 1:4000

Note:

DP Remarks have been offered only from Zoning point of view without any reference to the existing and status of the structures on the land under reference etc.
This plan is to be read with letter under

CHE/DP34201904111218253/DP/ES/L

This is an electronically generated document. Hence NO signature required. Assistant Engineer (DP), L Ward. Dated: 24/04/2019

MUNICIPAL CORPORATION OF GREATER MUMBAI
(Development Plan Department)

Development Plan 2034

Office of the Chief Engineer (Development Plan),

5th Floor, Annexe Building,

Municipal Head Office,

Mahapalika Marg, Fort, MUMBAI - 400 001.

HPBD Analysis Report

Proposed Project at Plot CTS No. 657, Village Mohili, Mumbai

KAIZEN DESIGN SOLUTIONS

L - 022 26473109 E - projects@kdsglobe.com W - www.kdsglobe.com

Shadow Analysis

SITE SURROUNDING

Key plan

BRE DOCUMENT –
SITE LAYOUT PLANNING FOR DAYLIGHT AND SUNLIGHT

No more than 40% of any garden or amenity area should be prevented by buildings from receiving any sun at all on 21st March".

Proposed buildings
Site
Neighborhood Buildings

Site Plan

HOURLY SHADOW PATTERN

Day: 21st March

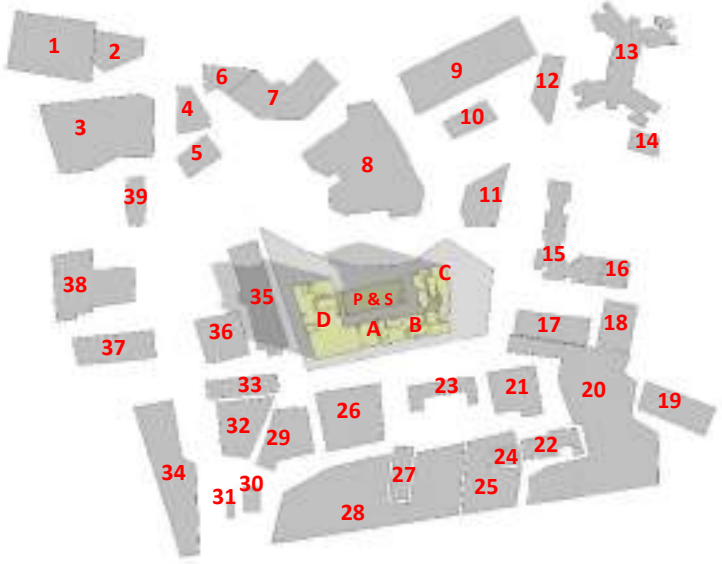
Shadow Range : 7:30 Hrs – 17:30 Hrs

HOURLY SHADOW PATTERN

Day: 21st March

07:30 Hrs

08:30 Hrs



09:30 Hrs

10:30 Hrs

HOURLY SHADOW PATTERN

Day: 21st March

11:30 Hrs

12:30 Hrs

13:30 Hrs

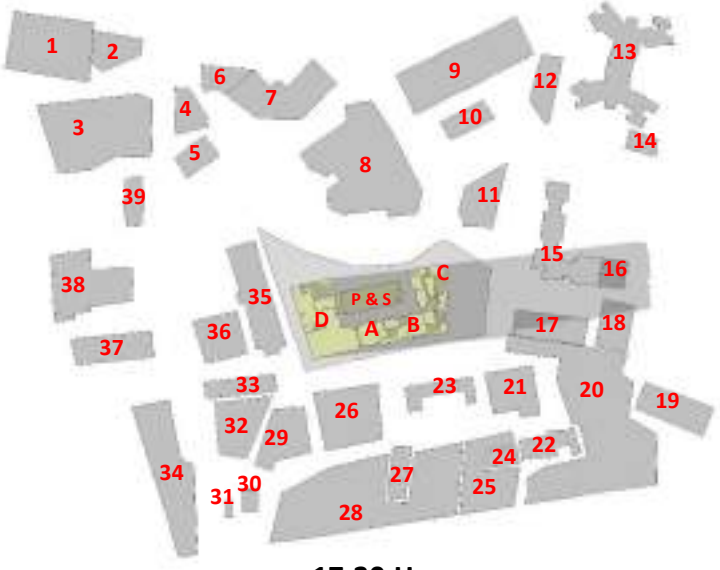
14:30 Hrs

HOURLY SHADOW PATTERN

Day: 21st March

15:30 Hrs

16:30 Hrs



17:30 Hrs

RESULTS

Day: 21st March

ID Mark	Building Name	Building Configuration	Height (metre)	Shadow Impact			
				Start Time	End Time	Impact Hours	%
1	1	G+1	6	0:00	0:00	0:00	0%
2	2	G+1	6	0:00	0:00	0:00	0%
3	3	G+1	6	0:00	0:00	0:00	0%
4	4	G	3	0:00	0:00	0:00	0%
5	5	G+1	6	0:00	0:00	0:00	0%
6	6	G	3	0:00	0:00	0:00	0%
7	7	G	3	0:00	0:00	0:00	0%
8	8	G+8	36	0:00	0:00	0:00	0%
9	9	G+1	7	0:00	0:00	0:00	0%
10	10	G+1	7	0:00	0:00	0:00	0%
11	11	G+2	9	0:00	0:00	0:00	0%
12	12	G+1	6	0:00	0:00	0:00	0%
13	13	G+8	27	0:00	0:00	0:00	0%
14	14	G+1	6	0:00	0:00	0:00	0%
15	15	G+8	27	0:00	0:00	0:00	0%
16	16	G	3	17:00	17:30	0:30	5%
17	17	G+2	9	17:00	17:30	0:30	5%
18	18	G	3	0:00	0:00	0:00	0%
19	19	G+1	6	0:00	0:00	0:00	0%
20	20	G	3	0:00	0:00	0:00	0%
21	21	G+2	9	0:00	0:00	0:00	0%
22	22	G+1	6	0:00	0:00	0:00	0%
23	23	G+2	9	0:00	0:00	0:00	0%
24	24	G+1	6	0:00	0:00	0:00	0%
25	25	G	3	0:00	0:00	0:00	0%

RESULTS

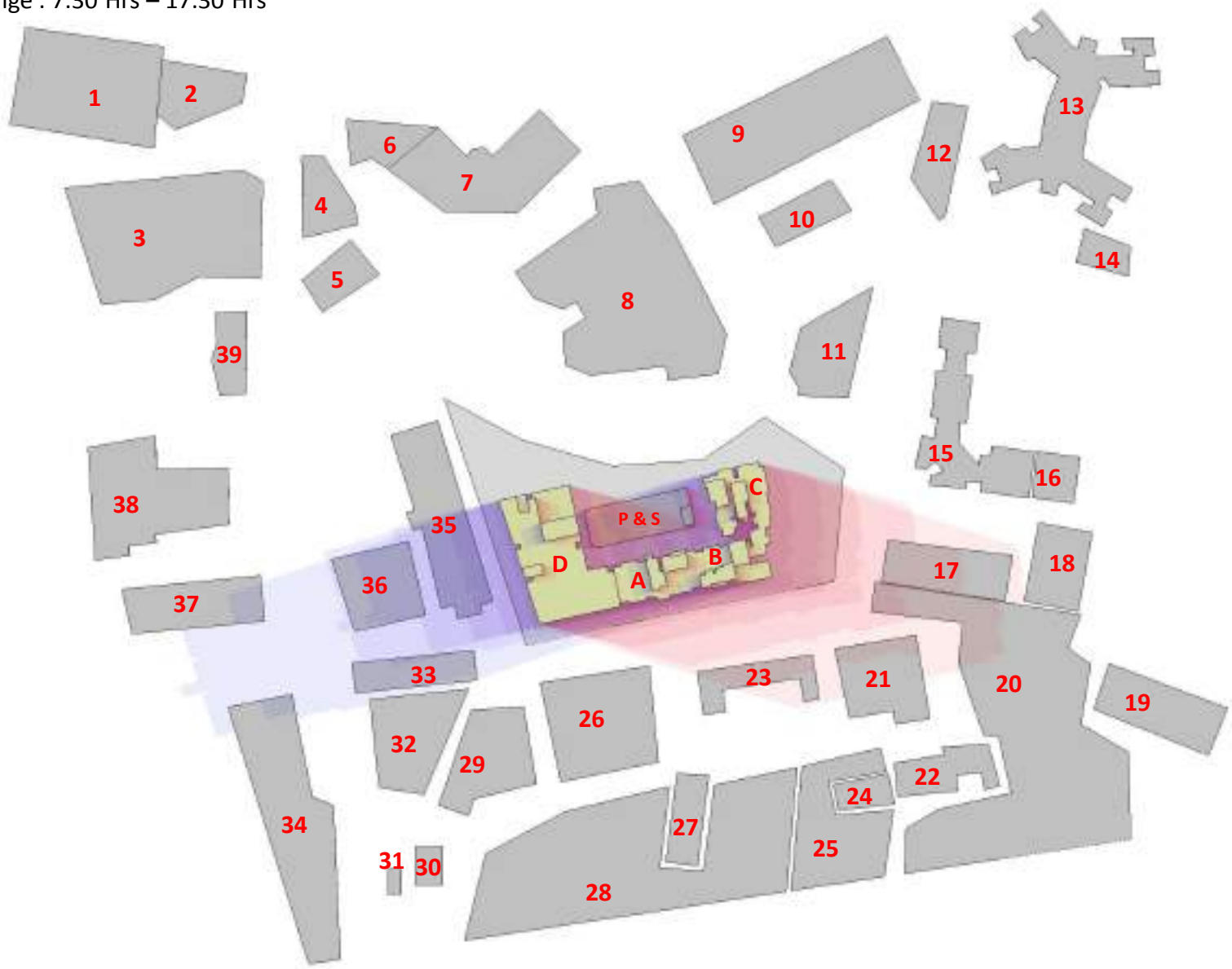
Day: 21st March

ID Mark	Building Name	Building Configuration	Height (metre)	Shadow Impact			
				Start Time	End Time	Impact Hours	%
26	26	G+1	6	0:00	0:00	0:00	0%
27	27	G+1	6	0:00	0:00	0:00	0%
28	28	G	3	0:00	0:00	0:00	0%
29	29	G+2	9	0:00	0:00	0:00	0%
30	30	G	3	0:00	0:00	0:00	0%
31	31	G	3	0:00	0:00	0:00	0%
32	32	G+1	6	0:00	0:00	0:00	0%
33	33	G+1	6	0:00	0:00	0:00	0%
34	34	G+1	6	0:00	0:00	0:00	0%
35	35	G+1	6	7:30	10:30	3:00	30%
36	36	G+1	6	7:30	8:30	1:00	10%
37	37	G+1	6	0:00	0:00	0:00	0%
38	38	G+8	27	0:00	0:00	0:00	0%
39	39	G+11	33	0:00	0:00	0:00	0%
A	Wing A	2B+G+12	38.3	0:00	0:00	0:00	0%
B	Wing B	2B+G+12	38.3	0:00	0:00	0:00	0%
C	Wing C	2B+G+12	38.3	17:00	17:30	0:30	5%
D	Wing D	3B+G+11	38.75	7:30	9:00	1:30	15%

HOURLY SHADOW PATTERN

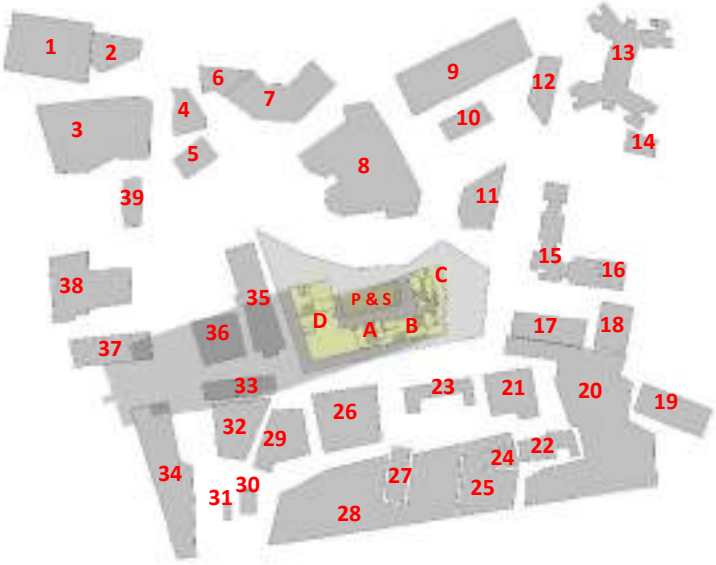
Day: 21st June

Shadow Range : 7:30 Hrs – 17:30 Hrs



HOURLY SHADOW PATTERN

Day: 21st June



07:30 Hrs

08:30 Hrs

09:30 Hrs

10:30 Hrs

HOURLY SHADOW PATTERN

Day: 21st June

11:30 Hrs

12:30 Hrs

13:30 Hrs

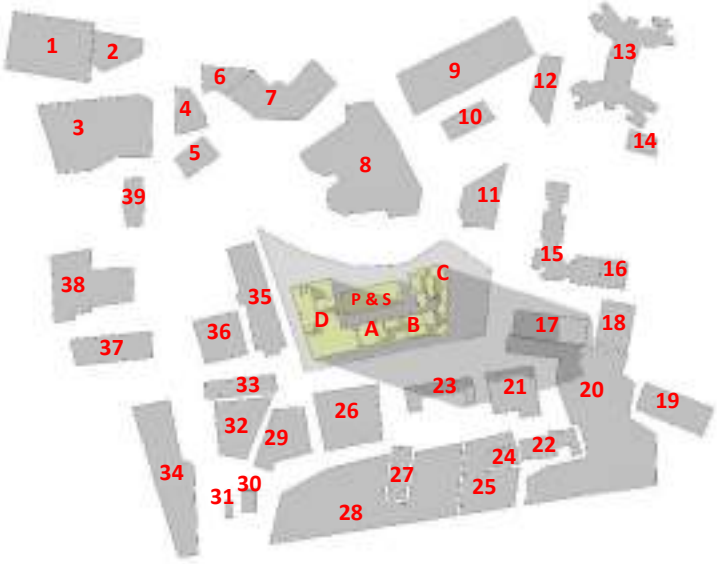
14:30 Hrs

HOURLY SHADOW PATTERN

Day: 21st June

15:30 Hrs

16:30 Hrs



17:30 Hrs

RESULTS

Day: 21st June

ID Mark	Building Name	Building Configuration	Height (metre)	Shadow Impact			
				Start Time	End Time	Impact Hours	%
1	1	G+1	6	0:00	0:00	0:00	0%
2	2	G+1	6	0:00	0:00	0:00	0%
3	3	G+1	6	0:00	0:00	0:00	0%
4	4	G	3	0:00	0:00	0:00	0%
5	5	G+1	6	0:00	0:00	0:00	0%
6	6	G	3	0:00	0:00	0:00	0%
7	7	G	3	0:00	0:00	0:00	0%
8	8	G+8	36	0:00	0:00	0:00	0%
9	9	G+1	7	0:00	0:00	0:00	0%
10	10	G+1	7	0:00	0:00	0:00	0%
11	11	G+2	9	0:00	0:00	0:00	0%
12	12	G+1	6	0:00	0:00	0:00	0%
13	13	G+8	27	0:00	0:00	0:00	0%
14	14	G+1	6	0:00	0:00	0:00	0%
15	15	G+8	27	0:00	0:00	0:00	0%
16	16	G	3	0:00	0:00	0:00	0%
17	17	G+2	9	17:00	17:30	0:30	5%
18	18	G	3	0:00	0:00	0:00	0%
19	19	G+1	6	0:00	0:00	0:00	0%
20	20	G	3	0:00	0:00	0:00	0%
21	21	G+2	9	0:00	0:00	0:00	0%
22	22	G+1	6	0:00	0:00	0:00	0%
23	23	G+2	9	17:00	17:30	0:30	5%
24	24	G+1	6	0:00	0:00	0:00	0%
25	25	G	3	0:00	0:00	0:00	0%

RESULTS

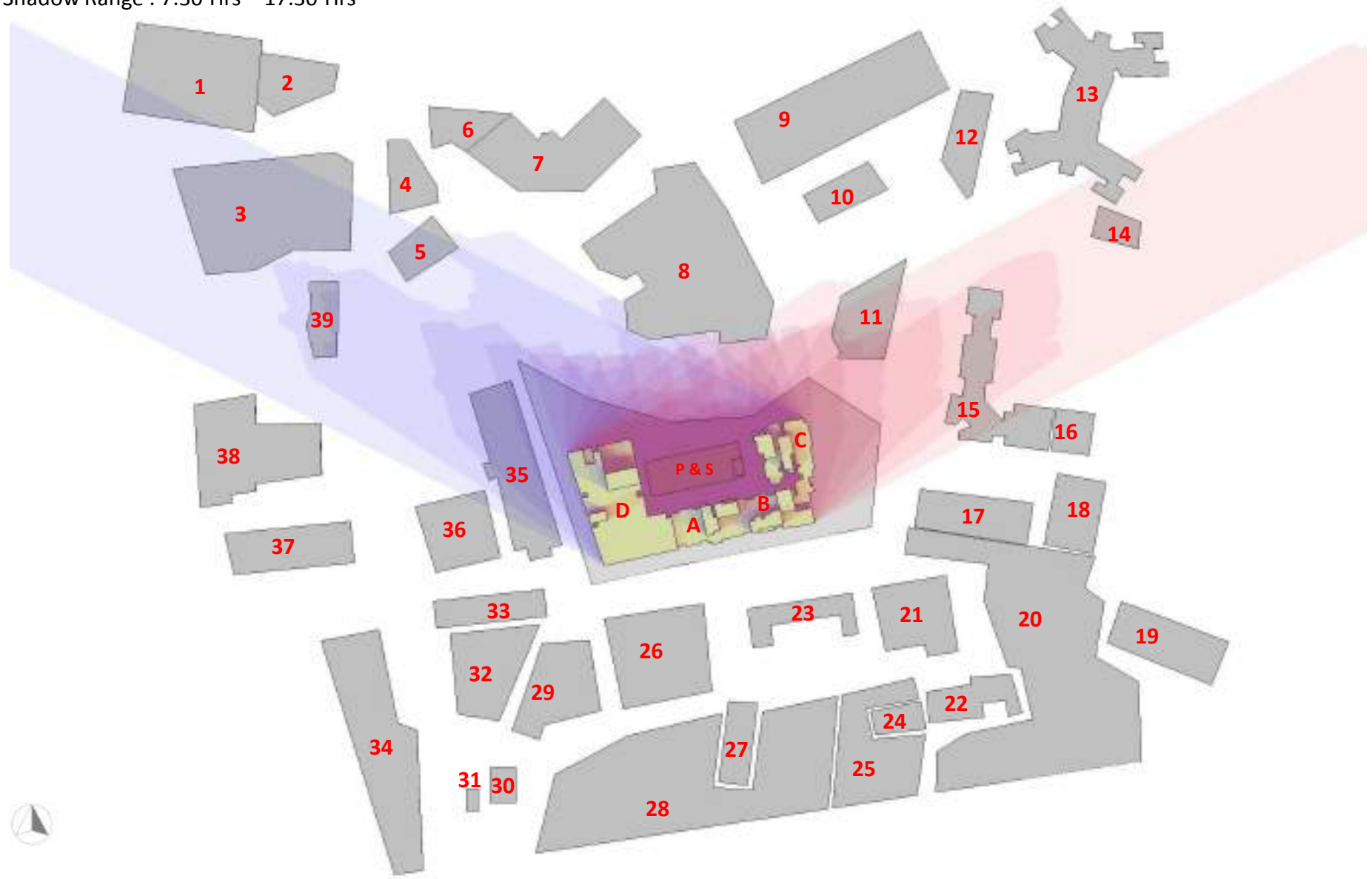
Day: 21st June

ID Mark	Building Name	Building Configuration	Height (metre)	Shadow Impact			
				Start Time	End Time	Impact Hours	%
26	26	G+1	6	0:00	0:00	0:00	0%
27	27	G+1	6	0:00	0:00	0:00	0%
28	28	G	3	0:00	0:00	0:00	0%
29	29	G+2	9	0:00	0:00	0:00	0%
30	30	G	3	0:00	0:00	0:00	0%
31	31	G	3	0:00	0:00	0:00	0%
32	32	G+1	6	0:00	0:00	0:00	0%
33	33	G+1	6	7:30	8:00	0:30	5%
34	34	G+1	6	0:00	0:00	0:00	0%
35	35	G+1	6	7:30	9:30	2:00	20%
36	36	G+1	6	7:30	8:30	1:00	10%
37	37	G+1	6	0:00	0:00	0:00	0%
38	38	G+8	27	0:00	0:00	0:00	0%
39	39	G+11	33	0:00	0:00	0:00	0%
A	Wing A	2B+G+12	38.3	7:30	8:30	1:00	35%
				15:00	17:30	2:30	
B	Wing B	2B+G+12	38.3	7:30	10:00	2:30	30%
				17:00	17:30	0:30	
C	Wing C	2B+G+12	38.3	0:00	0:00	0:00	0%
D	Wing D	3B+G+11	38.75	0:00	0:00	0:00	0%

HOURLY SHADOW PATTERN

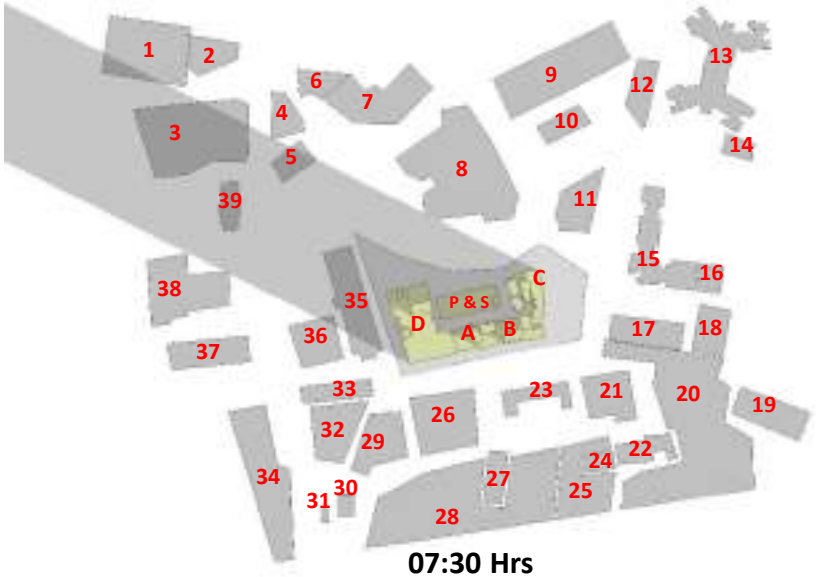
Day: 21st December

Shadow Range : 7:30 Hrs – 17:30 Hrs

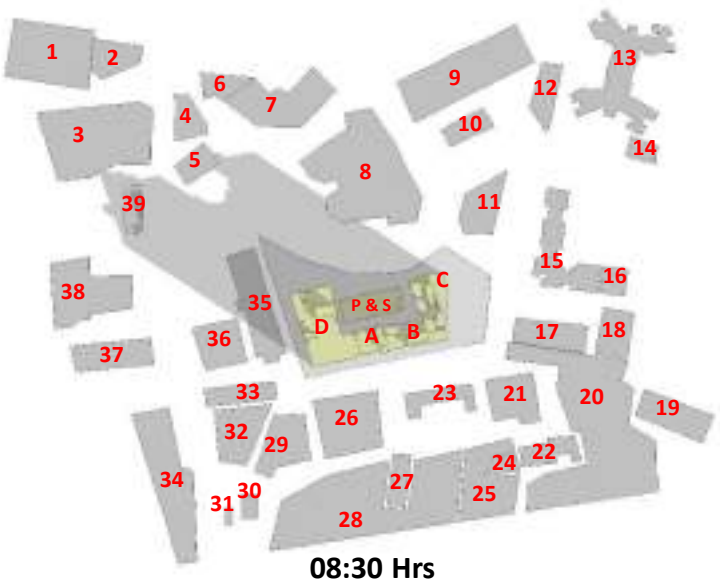


HOURLY SHADOW PATTERN

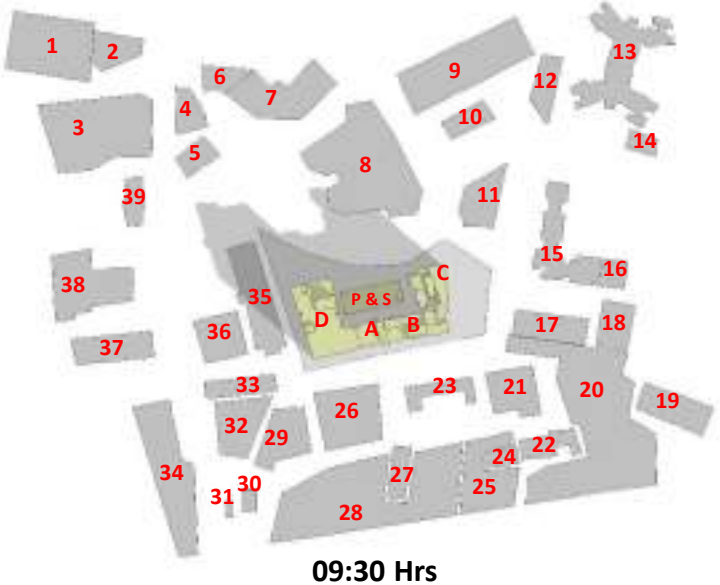
Day: 21st December



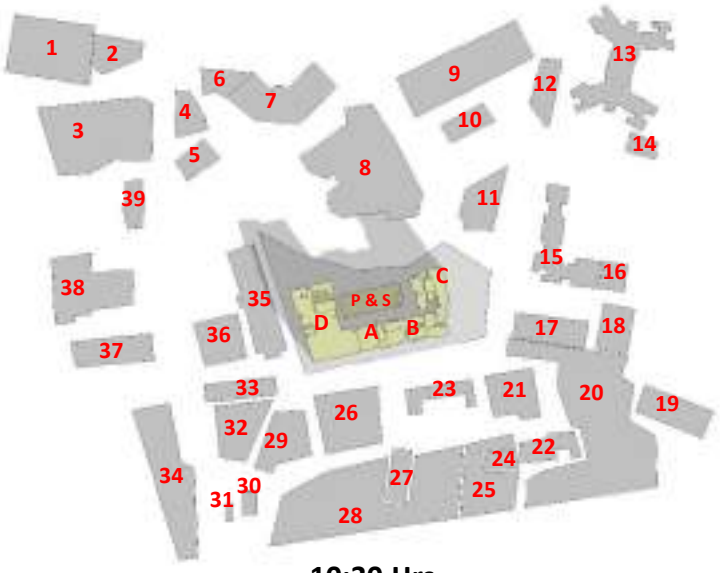
07:30 Hrs



08:30 Hrs



09:30 Hrs



10:30 Hrs

HOURLY SHADOW PATTERN

Day: 21st December

11:30 Hrs

12:30 Hrs

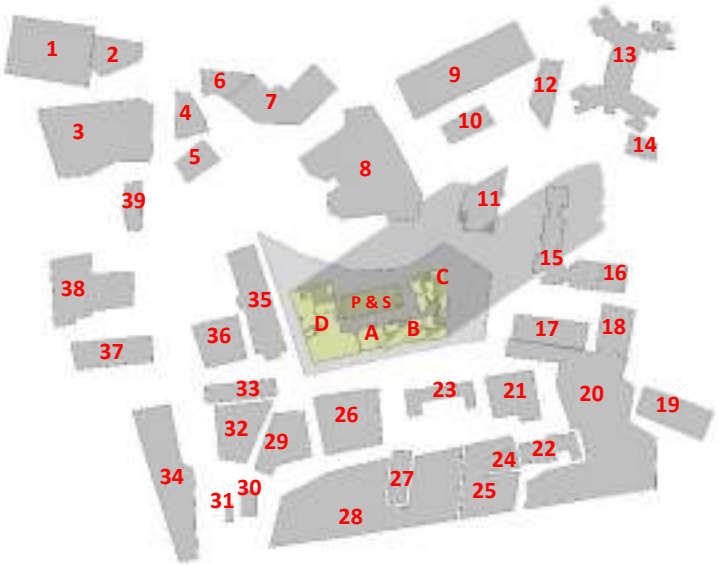
13:30 Hrs

14:30 Hrs

HOURLY SHADOW PATTERN

Day: 21st December

15:30 Hrs



16:30 Hrs

17:30 Hrs

RESULTS

Day: 21st December

ID Mark	Building Name	Building Configuration	Height (metre)	Shadow Impact			
				Start Time	End Time	Impact Hours	%
1	1	G+1	6	0:00	0:00	0:00	0%
2	2	G+1	6	0:00	0:00	0:00	0%
3	3	G+1	6	7:30	8:00	0:30	5%
4	4	G	3	0:00	0:00	0:00	0%
5	5	G+1	6	7:30	8:00	0:30	5%
6	6	G	3	0:00	0:00	0:00	0%
7	7	G	3	0:00	0:00	0:00	0%
8	8	G+8	36	0:00	0:00	0:00	0%
9	9	G+1	7	0:00	0:00	0:00	0%
10	10	G+1	7	0:00	0:00	0:00	0%
11	11	G+2	9	17:00	17:30	0:30	5%
12	12	G+1	6	0:00	0:00	0:00	0%
13	13	G+8	27	0:00	0:00	0:00	0%
14	14	G+1	6	17:00	17:30	0:30	5%
15	15	G+8	27	17:00	17:30	0:30	5%
16	16	G	3	0:00	0:00	0:00	0%
17	17	G+2	9	0:00	0:00	0:00	0%
18	18	G	3	0:00	0:00	0:00	0%
19	19	G+1	6	0:00	0:00	0:00	0%
20	20	G	3	0:00	0:00	0:00	0%
21	21	G+2	9	0:00	0:00	0:00	0%
22	22	G+1	6	0:00	0:00	0:00	0%
23	23	G+2	9	0:00	0:00	0:00	0%
24	24	G+1	6	0:00	0:00	0:00	0%
25	25	G	3	0:00	0:00	0:00	0%

RESULTS

Day: 21st December

ID Mark	Building Name	Building Configuration	Height (metre)	Shadow Impact			
				Start Time	End Time	Impact Hours	%
26	26	G+1	6	0:00	0:00	0:00	0%
27	27	G+1	6	0:00	0:00	0:00	0%
28	28	G	3	0:00	0:00	0:00	0%
29	29	G+2	9	0:00	0:00	0:00	0%
30	30	G	3	0:00	0:00	0:00	0%
31	31	G	3	0:00	0:00	0:00	0%
32	32	G+1	6	0:00	0:00	0:00	0%
33	33	G+1	6	0:00	0:00	0:00	0%
34	34	G+1	6	0:00	0:00	0:00	0%
35	35	G+1	6	7:30	9:30	2:00	20%
36	36	G+1	6	0:00	0:00	0:00	0%
37	37	G+1	6	0:00	0:00	0:00	0%
38	38	G+8	27	0:00	0:00	0:00	0%
39	39	G+11	33	7:30	8:30	1:00	10%
A	Wing A	2B+G+12	38.3	0:00	0:00	0:00	0%
B	Wing B	2B+G+12	38.3	0:00	0:00	0:00	0%
C	Wing C	2B+G+12	38.3	13:00	17:30	4:30	45%
D	Wing D	3B+G+11	38.75	7:30	11:00	3:30	35%

ANNUAL RESULTS

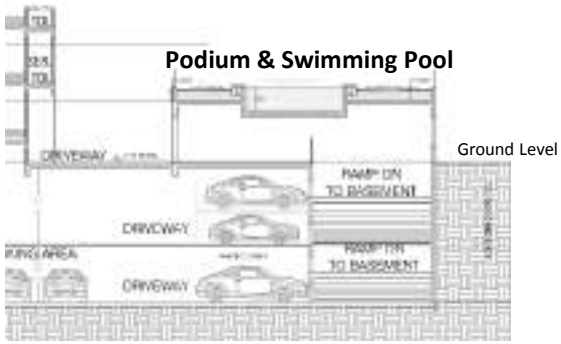
ID Mark	Building Name	Building Configuration	Height (metre)	Shadow Impact			
				March	June	December	Average
1	1	G+1	6	0%	0%	0%	0%
2	2	G+1	6	0%	0%	0%	0%
3	3	G+1	6	0%	0%	5%	2%
4	4	G	3	0%	0%	0%	0%
5	5	G+1	6	0%	0%	5%	2%
6	6	G	3	0%	0%	0%	0%
7	7	G	3	0%	0%	0%	0%
8	8	G+8	36	0%	0%	0%	0%
9	9	G+1	7	0%	0%	0%	0%
10	10	G+1	7	0%	0%	0%	0%
11	11	G+2	9	0%	0%	5%	2%
12	12	G+1	6	0%	0%	0%	0%
13	13	G+8	27	0%	0%	0%	0%
14	14	G+1	6	0%	0%	5%	2%
15	15	G+8	27	0%	0%	5%	2%
16	16	G	3	5%	0%	0%	2%
17	17	G+2	9	5%	5%	0%	3%
18	18	G	3	0%	0%	0%	0%
19	19	G+1	6	0%	0%	0%	0%
20	20	G	3	0%	0%	0%	0%
21	21	G+2	9	0%	0%	0%	0%
22	22	G+1	6	0%	0%	0%	0%
23	23	G+2	9	0%	5%	0%	2%
24	24	G+1	6	0%	0%	0%	0%
25	25	G	3	0%	0%	0%	0%

ANNUAL RESULTS

ID Mark	Building Name	Building Configuration	Height (metre)	Shadow Impact			
				March	June	December	Average
26	26	G+1	6	0%	0%	0%	0%
27	27	G+1	6	0%	0%	0%	0%
28	28	G	3	0%	0%	0%	0%
29	29	G+2	9	0%	0%	0%	0%
30	30	G	3	0%	0%	0%	0%
31	31	G	3	0%	0%	0%	0%
32	32	G+1	6	0%	0%	0%	0%
33	33	G+1	6	0%	5%	0%	2%
34	34	G+1	6	0%	0%	0%	0%
35	35	G+1	6	30%	20%	20%	23%
36	36	G+1	6	10%	10%	0%	7%
37	37	G+1	6	0%	0%	0%	0%
38	38	G+8	27	0%	0%	0%	0%
39	39	G+11	33	0%	0%	10%	3%
A	Wing A	2B+G+12	38.3	0%	35%	0%	12%
B	Wing B	2B+G+12	38.3	0%	30%	0%	10%
C	Wing C	2B+G+12	38.3	5%	0%	45%	17%
D	Wing D	3B+G+11	38.75	15%	0%	35%	17%

CONCLUSION

Shadow analysis result shows that the most affected building is Building No. 35 with an average impact time of 02:18 hrs. 23% is the percentage impact which is lesser than 40 % as per BRE standards.

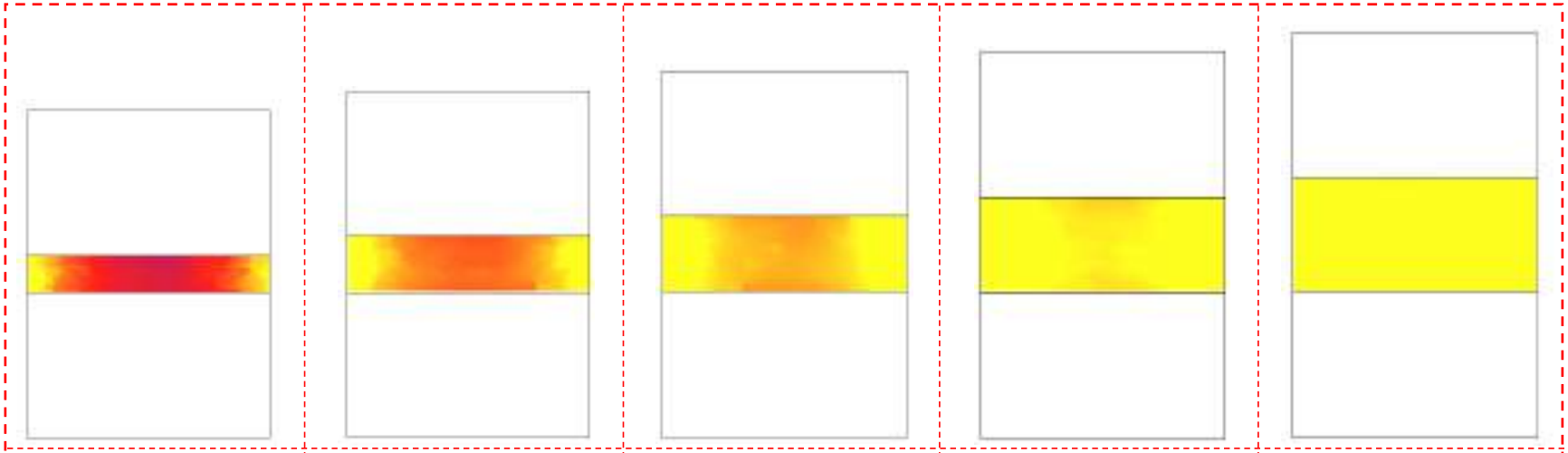


Section through P & S

Proposed buildings
Site
Neighborhood Buildings

Minimum distance between the buildings

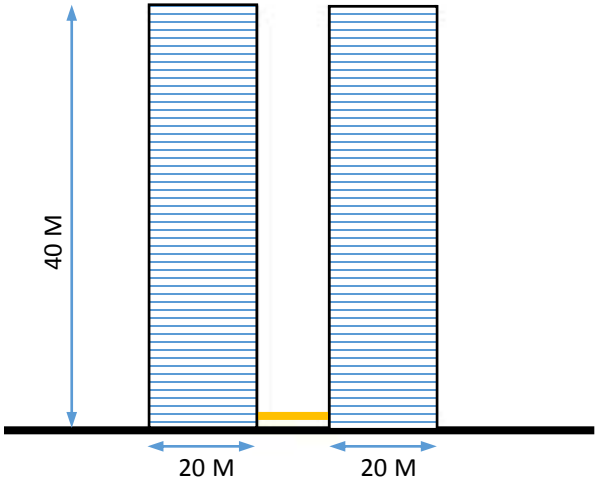
Illumination Analysis for Different distances between two Buildings

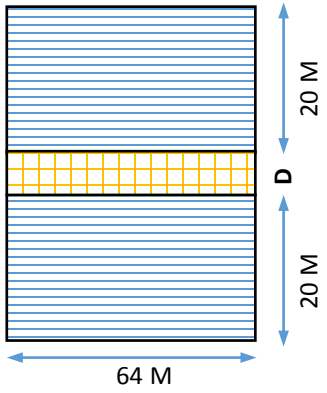


Analysis Hour : 12:00 PM

Sky Condition : Overcast Sky

Weather File : Mumbai_EPW File





According to NBC, the average illumination levels in the exterior should be 9000 lux for Warm and Humid Climate. The analysis has been done for Worst case scenario considering Over cast Sky Condition Where there is almost 95% Cloud cover

CONCLUSION :

The illumination analysis shows that the space shaded between Two Buildings receives Average 9000 lux when minimum distance between them is 10 M. The illumination level increases and reaches a saturation point at 11 M gap and almost remains the same when the distance between the building increases thereafter.

ILLUMINATION LEVELS

brightness produce the effect of glare. When glare is present, the efficiency of vision is reduced and small details or subtle changes in scene cannot be perceived. It may be,

a) direct glare due to light sources within the field of vision;
b) reflected glare due to reflections from light sources or surfaces of excessive brightness; and
c) veiling glare where the peripheral field is comparatively very bright.

4.1.3.1 An example of glare sources in daylighting is the view of the bright sky through a window or skylight, especially when the surrounding wall or ceiling is comparatively dark or weakly illuminated. Glare can be minimized in this case either by shielding the open sky from direct sight by louvers, external hoods or deep reveals, curtains or other shading devices or by correlighting the surroundings to a comparable level. A gradual transition of brightness from exception to the other within the field of vision always avoids or minimizes the discomfort from glare.

For electric lamps, the minimum shielding angles for lamp luminance shall not be less than the values given in the table below:

Lamp Luminance kcd/m²	*Minimum Shielding Angle* Degree
1 to 20	10
20 to 50	15
50 to 500	20
≥ 500	30

The above mentioned shielding angle should not be applied to luminaires that do not appear in the field of view of a worker during usual work and/or do not give the worker any noticeable disability glare.

Table 4 also gives recommended value of quality class of direct glare limitation for different tasks. These are numbers assigned to qualitative limits of direct glare: high, medium and low quality as 1, 2 and 3, respectively. For more details reference may be made to good practice [8-1(2)].

4.1.4 Recommended Values of Illuminance

Table 4 gives recommended values of illuminance commensurate with the general standards of lighting described in this Section and related to many occupations and buildings. These are valid under most of the conditions whether the illumination is by daylighting, artificial lighting or a combination of the two. The great variety of visual tasks makes it impossible to list them all and these given should be regarded as representing types of task.

4.1.4.1 The different locations and tasks are grouped within the following four sections:

a) Industrial buildings and process;
b) Offices, schools and public buildings;
c) Surgeries and hospitals; and
d) Hotels, restaurants, shops and homes.

4.1.4.2 The illumination levels recommended in Table 4 are those to be maintained at all times on the task. As circumstances may be significantly different for different interiors used for the same application or for different conditions for the same kind of activity, a range of illuminances is recommended for each type of interior or activity instead of a single value of illuminance. Each range consists of three successive steps of the recommended scale of illuminances. They represent good practice and should be regarded as giving order of illumination commonly required rather than as having some absolute significance. For working interiors the middle value of each range represents the recommended service illuminance that would be used unless one or more of the factors mentioned below apply.

4.1.4.2.1 The higher value of the range should be used when,

a) unusually low reflectances or contrasts are present in the task;
b) errors are costly to rectify;
c) visual work is critical;
d) accuracy or higher productivity is of great importance; and
e) visual capacity of the worker makes it necessary.

4.1.4.2.2 The lower value of the range may be used when,

a) reflectances or contrast are unusually high;
b) speed and accuracy is not important; and
c) the task is executed only occasionally.

4.1.4.3 Where a visual task is required to be carried out throughout an interior, general illumination level to the recommended value on the working plane is necessary; where the precise height and location of the task are not known or cannot be easily specified, the recommended value is that on horizontal plane 850 mm above floor level.

NOTE — For an industrial task, working plane for the purpose of general illumination levels is that on a work place which is generally 750 mm above the floor level. For certain purposes, such as viewing the objects of art, the illumination levels recommended are for the vertical plane at which the art pieces are placed.

4.1.4.4 Where the task is localized, the recommended value is that for the task only; it need not, and sometimes should not, be the general level of illumination (see)

4.1.7 For detailed information regarding principles of good lighting, reference may be made to good practice [8-1(2)].

4.2 Daylighting

The primary source of lighting for daylighting is the sun. The light received by the earth from the sun consists of two parts, namely direct solar illuminance and sky illuminance. For the purposes of daylighting design, direct solar illuminance shall not be considered and only sky illuminance shall be taken as contributing to illumination of the building interiors during the day.

4.2.1 The relative amount of sky illuminance depends on the position of the sun defined by its altitude, which in turn, varies with the latitude of the locality, the day of the year and the time of the day, as indicated in Table 5.

4.2.2 The external available horizontal sky illuminance (diffuse illuminance) values which are exceeded for about 90 percent of the daytime working hours may be taken as outdoor design illuminance values for ensuring adequacy of daylighting design. The outdoor design sky illuminance varies for different climatic regions of the country. The recommended design sky illuminance values are 6 800 lux for cold climate, 8 000 lux for composite climate, 9 000 lux for warm humid climate, 9 000 lux for temperate climate and 10 500 lux for hot-dry climate. For integration with the artificial lighting during daytime working hours an illuminance of 500 lux in the recommended sky design illuminance for daylighting is suggested.

4.2.3 The daylight factor is dependent on the sky luminance distribution, which varies with atmospheric conditions. A clear design sky with its non-uniform distribution of luminance is adopted for the purposes of design in this Section.

4.2.4 Components of Daylight Factor

Daylight factor is the sum of all the daylight reaching on an indoor reference point from the following sources:

a) Direct sky visible from the point,
b) External surfaces reflecting light directly to the point (*see* Note 1), and
c) Internal surfaces reflecting and inter-reflecting light to the point.

NOTES

1 External surfaces reflecting may be computed approximately only for points in the centre of the room, and for detailed study its calculations are complicated as if these may be ignored for actual calculations.

2 Each of the three components, when expressed as a ratio or percent of the simultaneous external illuminance on the horizontal plane, defines respectively the sky component (SC), the external reflected component (ERC) and the internal reflected component (IRC) of the daylight factor.

4.2.4.1 The daylight factor on the horizontal plane only are usually taken, as the working plane in a room is generally horizontal; however, the factors in vertical planes should also be considered when specifying daylighting values for special cases, such as daylighting on classrooms, blackboards, pictures and paintings hung on walls.

4.2.5 Sky Component (SC)

Sky component for a window of any size is computed by the use of the appropriate table of Annex B.

a) The recommended sky component level should be ensured generally on the working plane at the following positions:
   1) At a distance of 3 m to 3.75 m from the window along the central line perpendicular to the window,
   2) At the centre of the room if more appropriate, and
   3) At fixed locations, such as school desks, blackboards and office tables.
b) The daylight area of the prescribed sky component should not normally be less than half the total area of the room.

4.2.5.1 The values obtainable from the tables are for rectangular, open unglazed windows, without external obstructions. The values shall be corrected for the presence of window bars, glazing and external obstructions, if any. This assumes the maintenance of a regular cleaning schedule.

4.2.5.2 Correction for window bars

The corrections for window bars shall be made by multiplying the values read from tables in Annex B by a factor equal to the ratio of the clear opening to the overall opening.

4.2.5.3 Correction for glazing

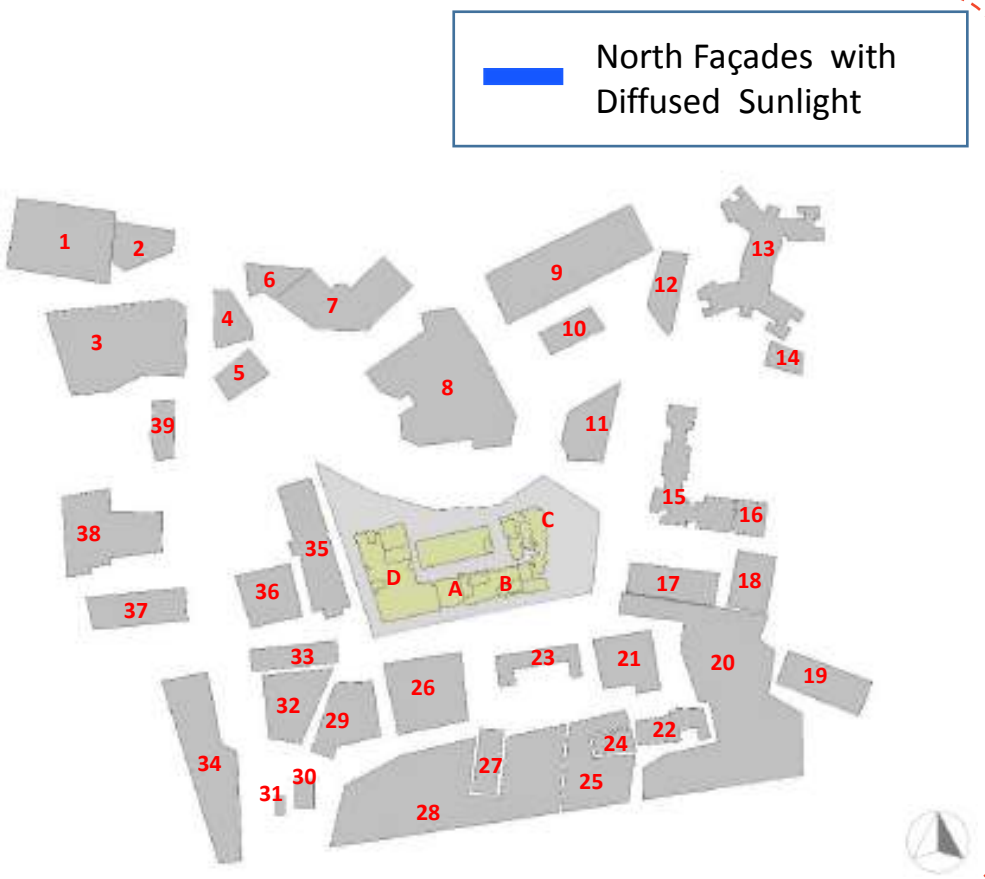
Where windows are glazed, the sky components obtained from Annex A shall be reduced by 10 to 20 percent, provided the panes are of clear and clear glass. Where glass is of the frosted (ground) type, the sky components read from Annex A may be reduced by 15 to 30 percent. In case of tinted or reflective glass the reduction is about 20 percent. Higher indicated correction corresponds to larger windows and/or near reference points. In the case of openings and glazings which are not vertical, suitable correction shall be taken into account.

North Façade with Diffused Light
(December 21st)

Solar access requirements in SEPP 65 -

State Environmental Planning Policy No 65 - Design Quality of Residential Apartment Development (SEPP 65) and the Apartment Design Guide.

- Living rooms and private open spaces of at least 70% of apartments in a building receive a minimum of 2 hours direct sunlight between 9am and 3pm at mid winter in the Sydney Metropolitan Area and in the Newcastle and Wollongong local government areas.
- In all other areas, living rooms and private open spaces of at least 70% of apartments in a building receive a minimum of 3 hours direct sunlight between 9am and 3pm at mid winter.



ID Mark	Building Name	No. of Flats	No. of Flats		% of Flats with Diffused Sunlight
			Direct Sunlight	Diffused Sunlight	
A, B & C	Wing A, B & C	141	141	0	0%
Total		**141**	**141**	**0**	0%

Result:

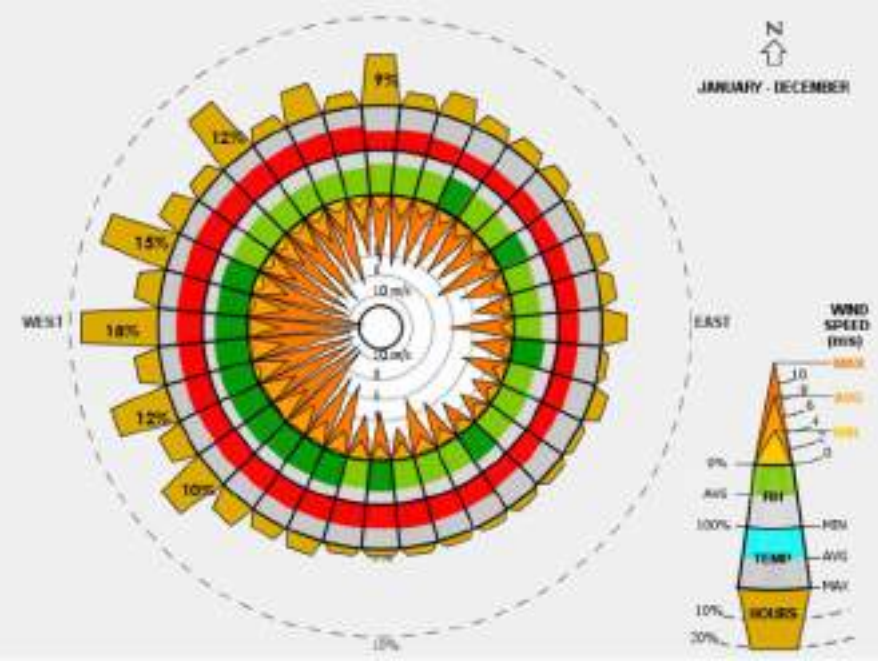
The total percentage of flats which receive diffused sunlight is **0%.**

Wind & Ventilation Analysis

WIND ANALYSIS STUDY

The construction of a building inevitably changes the microclimate in its vicinity. Wind speed, wind direction, air flow are all examples of physical aspects that constitute the outdoor climate and that are changed by the presence of the building. The change of these quantities depends on the shape, size and orientation of the building and on the interaction of the building with the surrounding buildings and other obstacles such as trees etc. These changes can be either favourable or unfavourable. Unfavourable changes include increased wind speeds around the building leading to uncomfortable or even dangerous conditions for pedestrians. This is particularly the case at the base of high-rise buildings.

The software needs wind direction and wind speed as input for processing the wind analysis. Indian Society for Heating Refrigeration and Air Conditioning Engineers (ISHRAE) provides hourly weather data for all major cities in India. This data is available in the .epw or 'weather data file' format on the ISHRAE's website. From the website Mumbai data was downloaded. See the image below for the Annual Wind rose prepared from the weather data. The predominant wind direction can be observed as South West to North West.



CFD input condition:

- Critical Wind Speed: 4.16 m/s
- Wind Direction: South West (SW) – North West (NW)

Beaufort number	Description	Wind speed at 1.75 m height (m/s)	Effect
0	Calm	0.0 - 0.1	
1	Light air	0.2 - 1.0	No noticeable wind
2	Light breeze	1.1 - 2.3	Wind felt on face
3	Gentle breeze	2.4 - 3.8	Hair disturbed, clothing flaps, newspaper difficult to read
4	Moderate breeze	3.9 - 5.5	Raises dust and loose paper, hair disarranged
5	Fresh breeze	5.6 - 7.5	Force of wind felt on body, danger of stumbling when entering a windy zone
6	Strong breeze	7.6 - 9.7	Umbrellas used with difficulty, hair blown straight, difficult to walk steadily, sideways wind force about equal to forwards walking force, wind noise on ears unpleasant
7	Near gale	9.8 - 12.0	Inconvenience felt when walking
8	Gale	12.1 - 14.5	Generally impedes progress, great difficulty with balance in gusts
9	Strong gale	14.6 - 17.1	People blown over

WIND ANALYSIS STUDY

Monthly Wind Speed Data

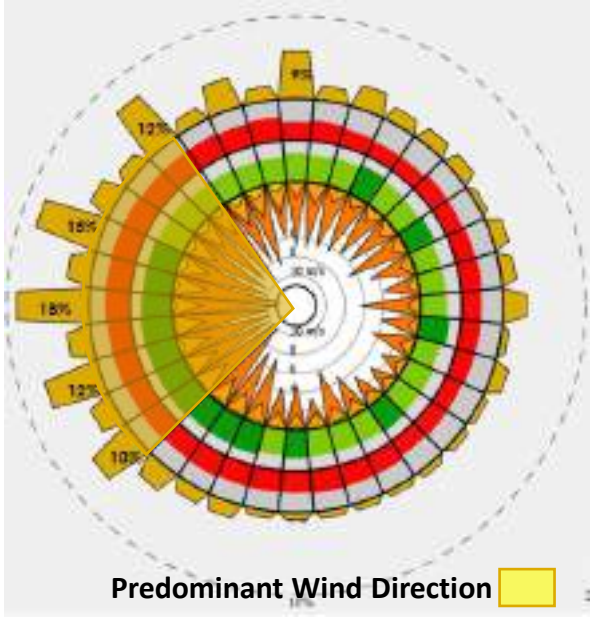
Month	Wind Speed (m/s)		
	Avg Daily	Avg Daily Low	Avg Daily High
Jan	1.35	0.03	3.66
Feb	1.53	0.04	3.46
Mar	1.89	0.08	4.36
Apr	1.73	0.00	4.09
May	2.65	0.84	4.57
Jun	2.79	1.36	4.57
Jul	3.70	2.08	5.48
Aug	3.73	1.95	5.52
Sep	1.49	0.00	4.16
Oct	0.85	0.00	2.26
Nov	1.50	0.04	3.93
Dec	1.45	0.06	3.90
Average	**2.05**	**0.54**	**4.16**

The IWEC2 weather files were produced from ISD data for 23 years (from 1986 to 2009).

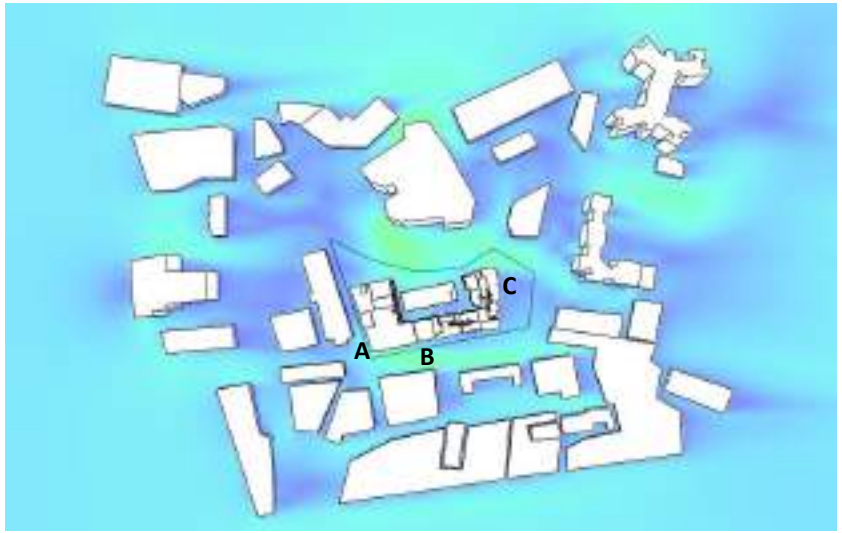
IWEC2 weather files have been considered for all types of analysis.

Weather Data Source: IND_Mumbai.430030_IWEC.epw

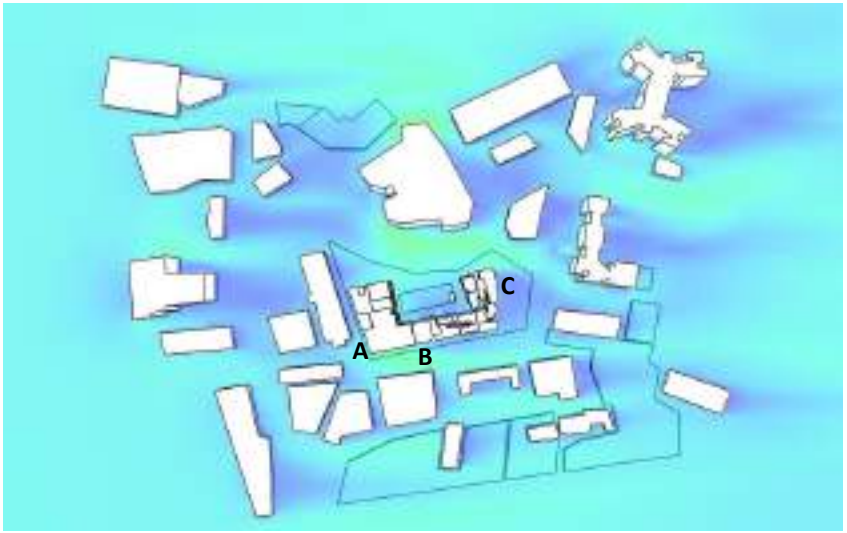
The Maximum Hours of Wind is observed in the direction of South West to North West Quadrant.



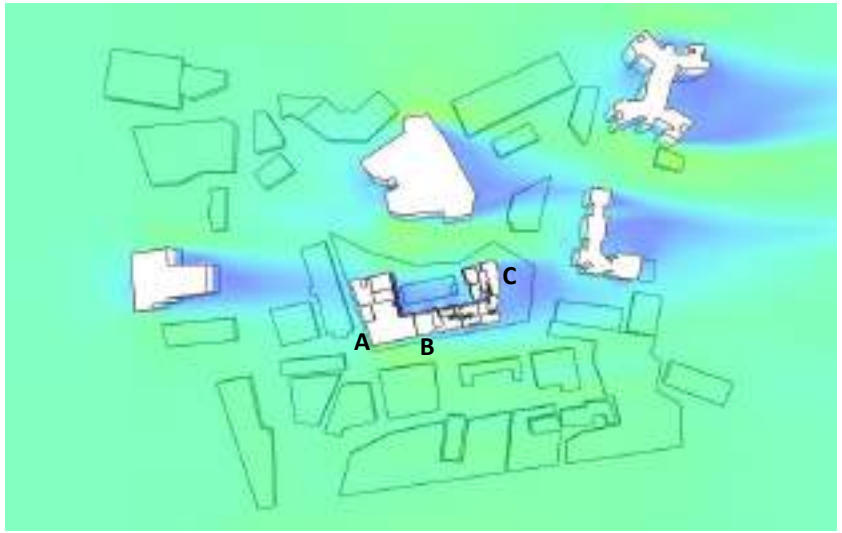
CFD INPUT CONDITION (Max. Avg. Wind Speed: 4.16m/s; Wind Direction: South West – North West (SW-NW))



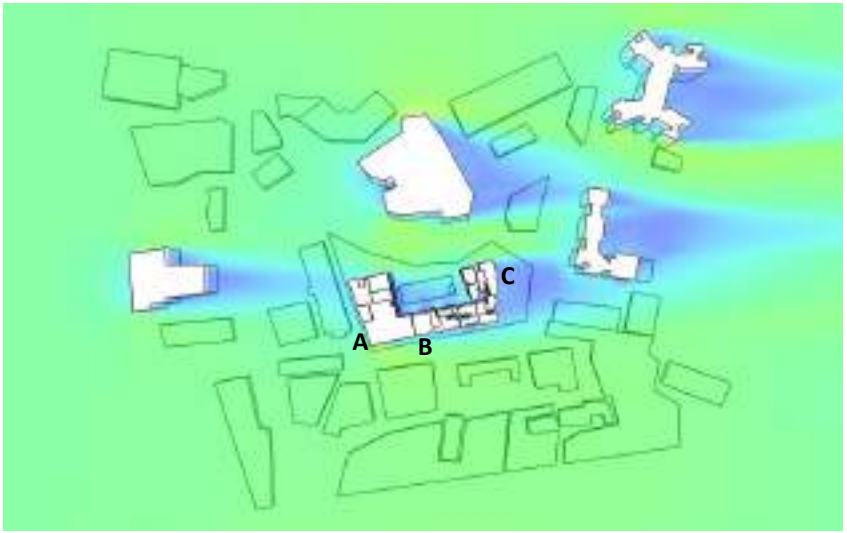
@ 02 meter



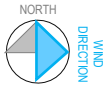
@ 06 meter

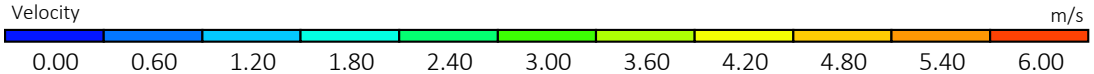


@ 12 meter



@ 18 meter





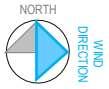
CFD INPUT CONDITION (Max. Avg. Wind Speed: 4.16m/s; Wind Direction: South West – North West (SW-NW))

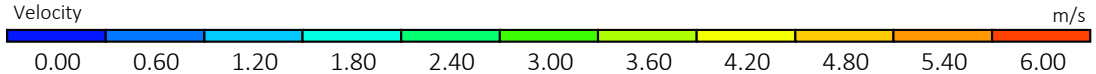
@ 24 meter

@ 30 meter

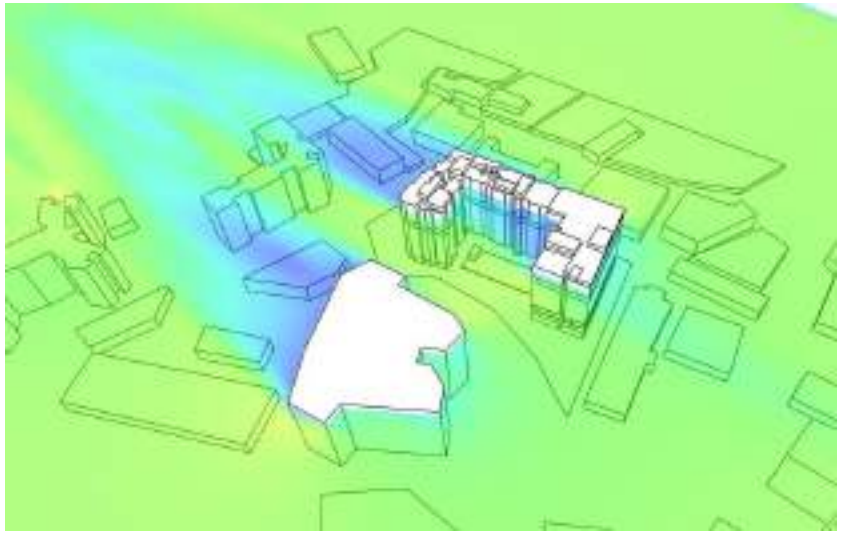
@ 36 meter

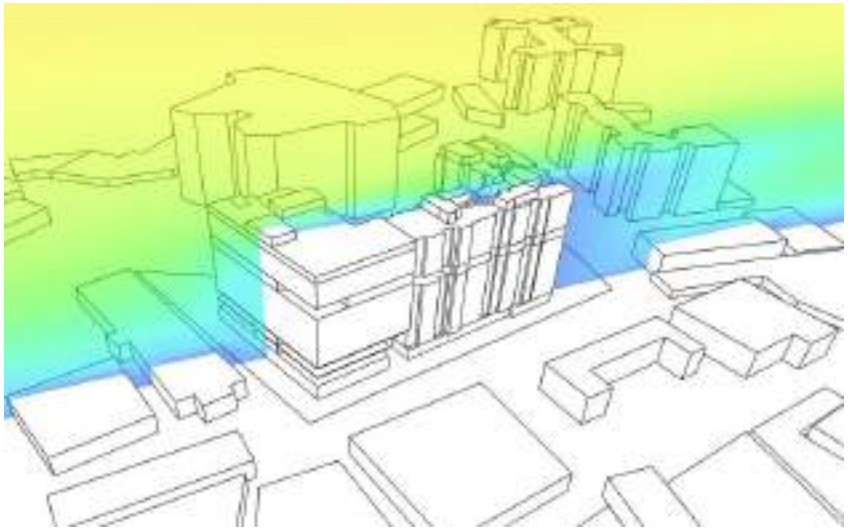
@ 40 meter

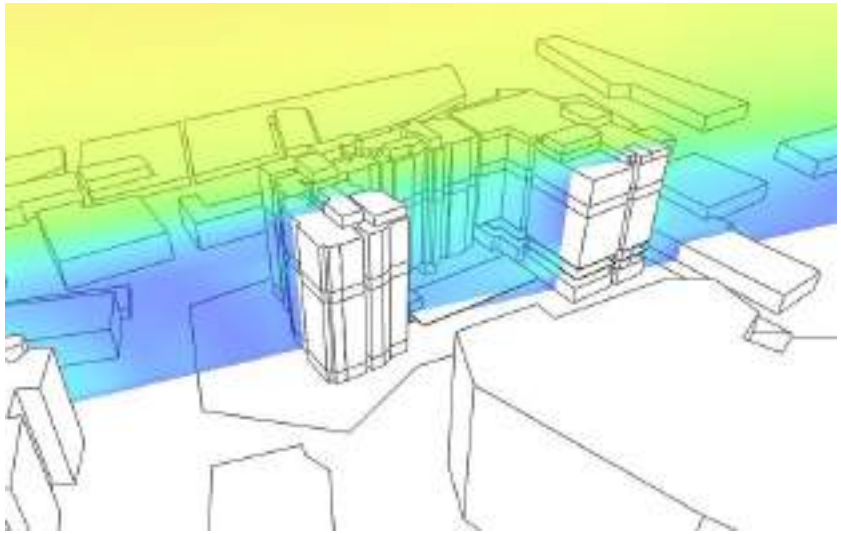


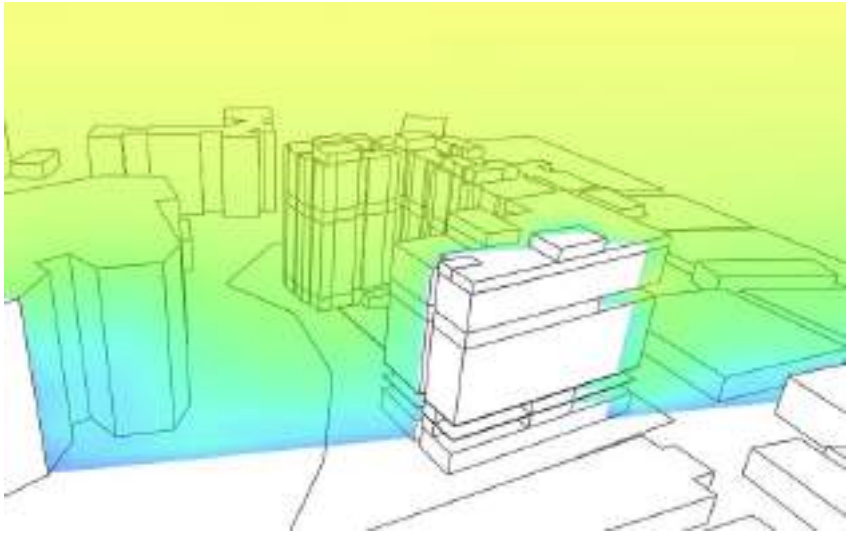


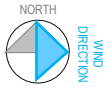
CFD INPUT CONDITION (Max. Avg. Wind Speed: 4.16m/s; Wind Direction: South West – North West (SW-NW))

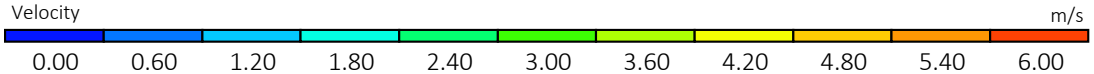




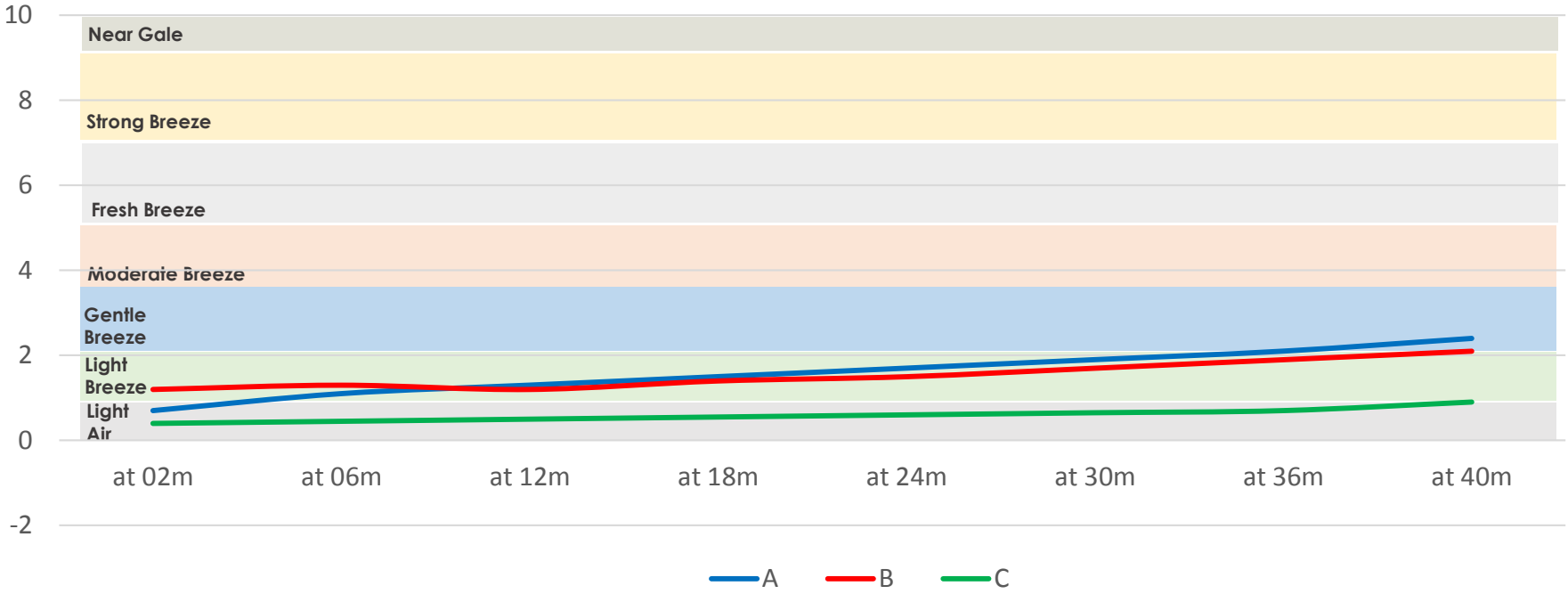








Velocity Graph & Conclusion: Max. Avg. Wind Speed: 4.16m/s; Wind Direction: South West – North West (SW-NW)



Conclusion :

- The observation point A, which is at West side of the Proposed Wing D, has wind speed ranging from 0.70 to 2.40 m/s at the height of 40 m and this ranges from Light Air to Gentle Breeze.
- The observation point B, which is at South side of the Proposed Wing A, has wind speed ranging from 1.20 to 2.10 m/s at the height of 40 m and this ranges in Light Breeze.
- The observation point C, which is at East side of the Proposed Wing C, has wind speed ranging from 0.40 to 0.9 m/s at the height of 40 m, and this ranges in Light Air.
- **Overall, wind speed observed at various heights is between 0.40 m/s to 2.40 m/s.**

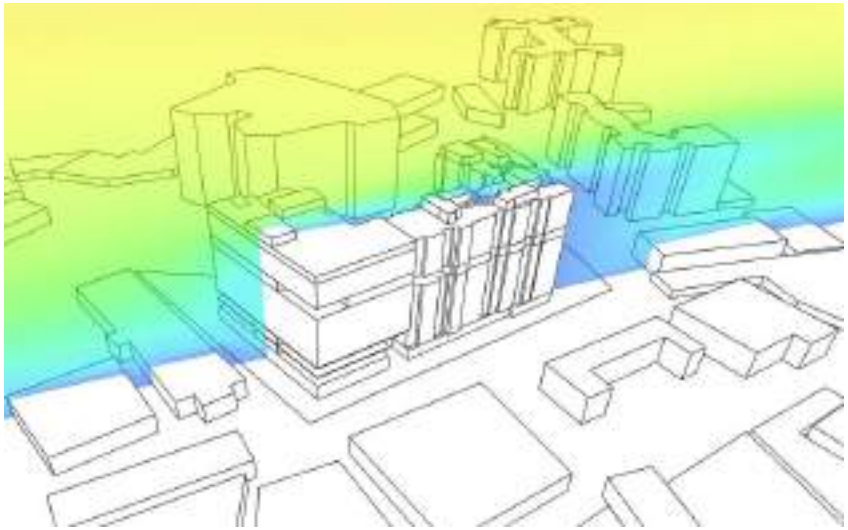
VENTILATION CALCULATION

The natural wind around buildings is majorly responsible for natural ventilation. The NBC 2016 specifies about minimum Air Changes per Hour (ACH) requirement for natural ventilation by building type. The relevant categories for the project is as below.

- Bedroom 2-4 ACH
- Living Room 3-6 ACH

Methodology:

1. To identify required ACH as per NBC 2016
2. To determine required ACH space wise
3. To calculate minimum wind speed at window to achieve the required ACH
4. To perform wind analysis to evaluate available wind speed in the worst case scenario i.e. on leeward side



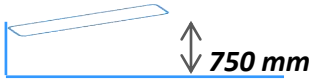
VENTILATION CALCULATION

Unit	Space	Area	Windows Area	Window Operable Area	Avg Req ACH	Required CMM	Equv CFM	Req Wind Speed at Window	Wind Speed Available	Achieved ACH at 4.16 m/s	Achieved ACH at 2.05 m/s	Achieved ACH at 0.54 m/s
		sq.m.	sq.m.	sq.m.		CuM/Min	CFM	m/s	m/s			
Wing - B 1 BHK	Living Room	18.7	3.4	2.22	4.5	4.1	143.8	0.10	0.8	>35	>20	>9
	Kitchen	5.3	1.8	1.16	4.5	1.2	41.0	0.10	0.7	>30	>15	>9
	Bedroom 1	10.3	2.9	1.94	3	1.5	52.7	0.10	0.85	>25	>15	>6
Wing - C 3 BHK	Living Room	23.7	2.9	1.94	4.5	5.2	182.0	0.10	1.2	>50	>25	>9
	Kitchen	4.5	2.0	1.29	4.5	1.0	34.7	0.10	1.2	>50	>25	>9
	Bedroom 1	10.9	2.9	1.94	3	1.6	56.1	0.10	1.2	>35	>20	>6
	Bedroom 2	10.2	2.2	1.46	3	1.5	52.0	0.10	1.2	>35	>20	>6
	Bedroom 3	10.3	2.9	1.94	3	1.5	52.7	0.10	1.3	>35	>20	>6
Wing - A 3 BHK	Living Room	25.2	2.9	1.94	4.5	5.5	193.6	0.10	0.8	>35	>20	>9
	Kitchen	5.1	1.8	1.16	4.5	1.1	39.5	0.10	0.8	>35	>20	>9
	Bedroom 1	11.4	3.4	2.22	3	1.6	58.2	0.10	0.85	>25	>15	>6
	Bedroom 2	10.3	2.9	1.94	3	1.5	52.7	0.10	0.85	>25	>15	>6
	Bedroom 3	9.2	2.7	1.80	3	1.3	47.1	0.10	0.85	>25	>15	>6

Daylighting Analysis

ASSUMPTIONS

1 ***Working Plane***



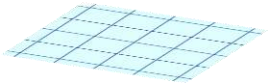
The analysis has been performed at working plan height i.e. 750 mm from the floor level.

2 ***Design Sky***

21st March - Clear Sky

The simulation will analyse daylighting level on 21st March i.e. equinox in clear sky condition, as per daylight simulation methodology.

3 ***Analysis Grid***



200 x 200 mm

All the floor spaces (daylight spaces) will be divided in an analysis grid of 200 x 200mm, then daylight will be analyzed on the same.

4 ***Glass VLT***

Glass VLT: 45%

The value defines daylight's transmission property of glass. Higher the percentage, higher the daylight is allowed to transmit.

5 ***Surface Reflectances***

Flooring - 30%, Wall – 50%, Ceiling – 70%

The analysis has been performed considering the above reflectances.

DAYLIGHT REQUIREMENT

BIS SP 41:
Handbook On Functional Requirements Of Buildings- part 4

TABLE 2 RECOMMENDED DAYLIGHT FACTORS FOR INTERIORS

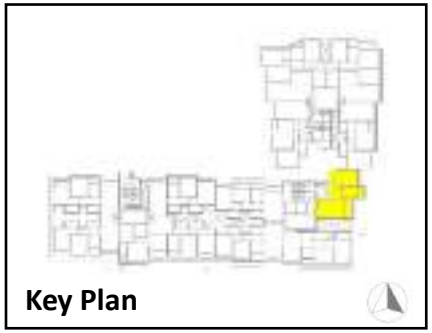
(*Clause* 3.4)
(1 percent DF = 80 lux)

Sl No.	Location	Daylight Factor, Percent
i)	*Dwellings*	
	Kitchen	2.5
	Living room	0.625
	Study room	1.9
	Circulation	0.313
ii)	*Schools*	
	Class room desk top, black board	1.9-3.8
	Laboratory	2.5-3.8
iii)	*Offices*	
	General	1.9
	Drawing, typing	3.75
	Enquiry	0.625-1.9
iv)	*Hospitals*	
	General wards	1.25
	Pathological laboratory	2.5-3.75
v)	*Libraries*	
	Stack room	0.9-1.9
	Reading room	1.9-3.75
	Counter area	2.5-3.75
	Catalogue room	1.9-2.5

DAYLIGHT ANALYSIS

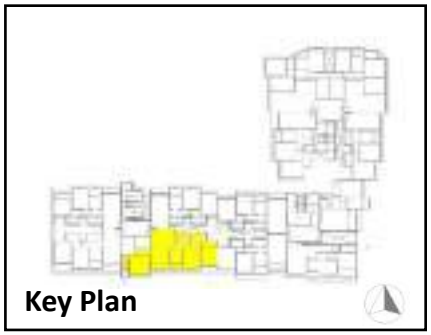
Wing B - 1 BHK

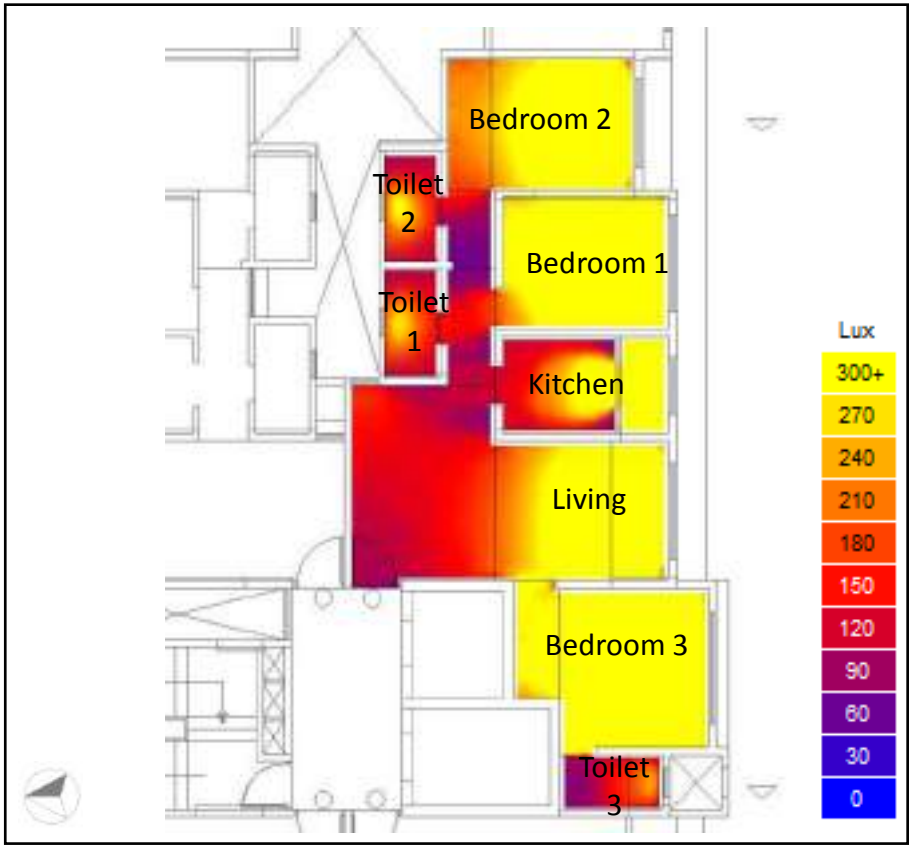
Space	SP 41	Achieved
Living	50	245
Bed 1	152	295
Kitchen	200	225
Toilet 1	-	125
Toilet 2	-	185



Wing A - 3 BHK

Space	SP 41	Achieved
Living	50	235
Bed 1	152	290
Bed 2	152	275
Bed 3	152	310
Kitchen	200	215
Toilet 1	-	170
Toilet 2	-	175

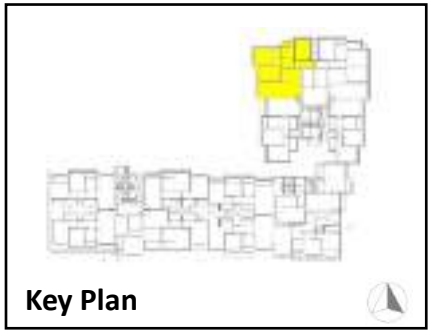


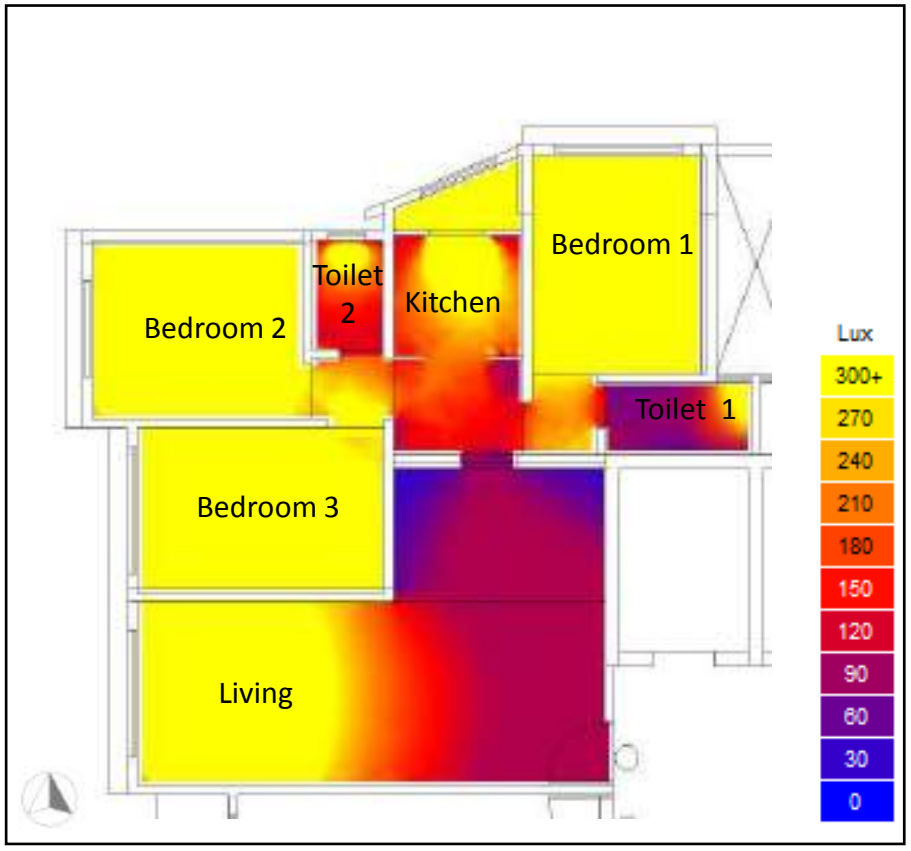


DAYLIGHT ANALYSIS

Wing C – 3BHK

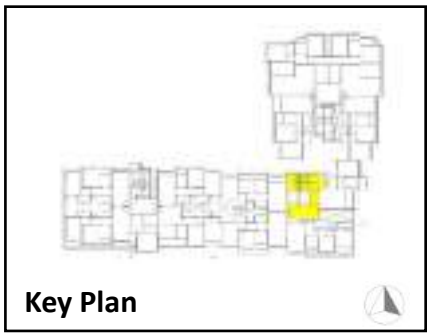
Space	SP 41	Achieved
Living	50	225
Bed 1	152	285
Bed 2	152	295
Bed 3	152	300
Kitchen	200	275
Toilet 1	-	110
Toilet 2	-	165

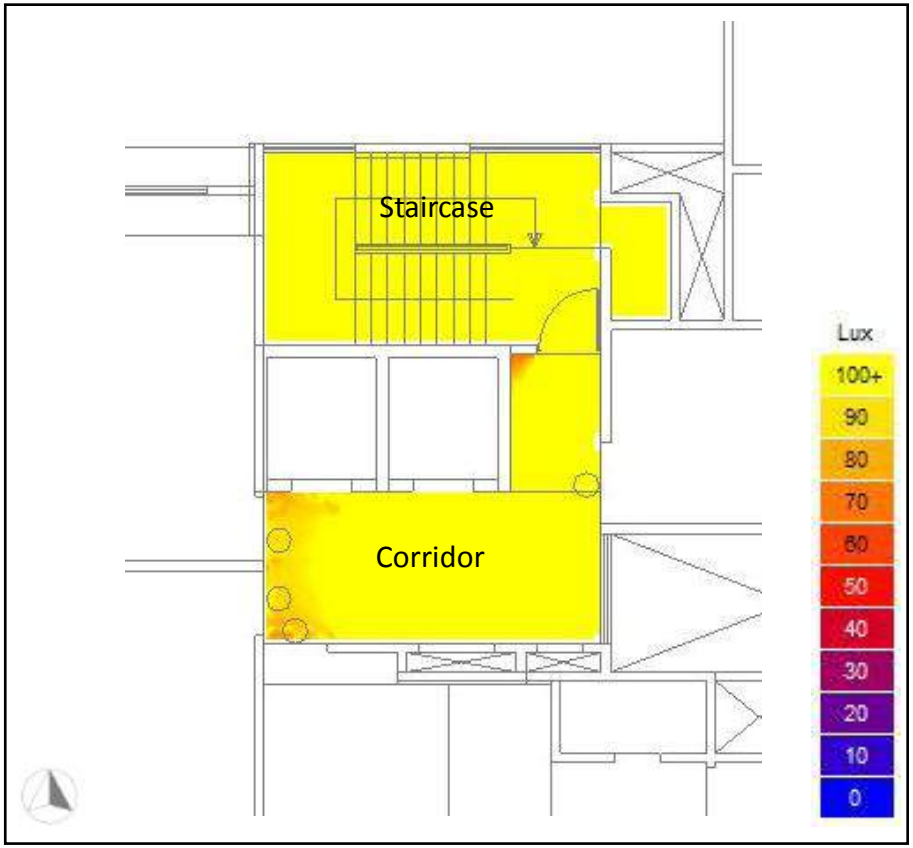




Corridor

Space	SP 41	Achieved
Stair 1	25	110
Corridor	25	105



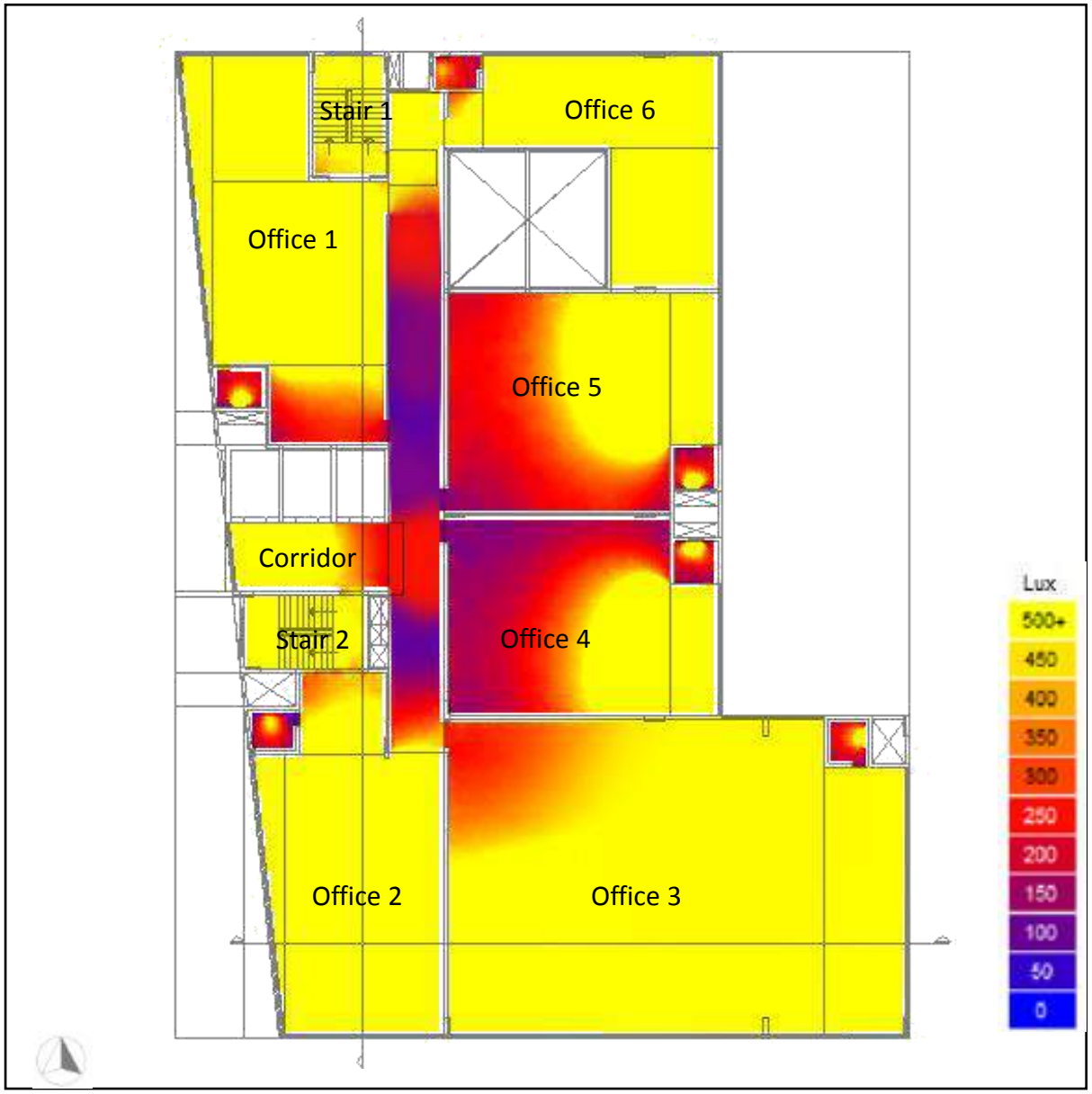


DAYLIGHT ANALYSIS

Wing D

Key Plan

Space	SP 41	Achieved
Office 1	300	475
Office 2	300	485
Office 3	300	480
Office 4	300	395
Office 5	300	425
Office 6	300	505
Stair 1	25	510
Stair 2	25	515
Corridor	25	190



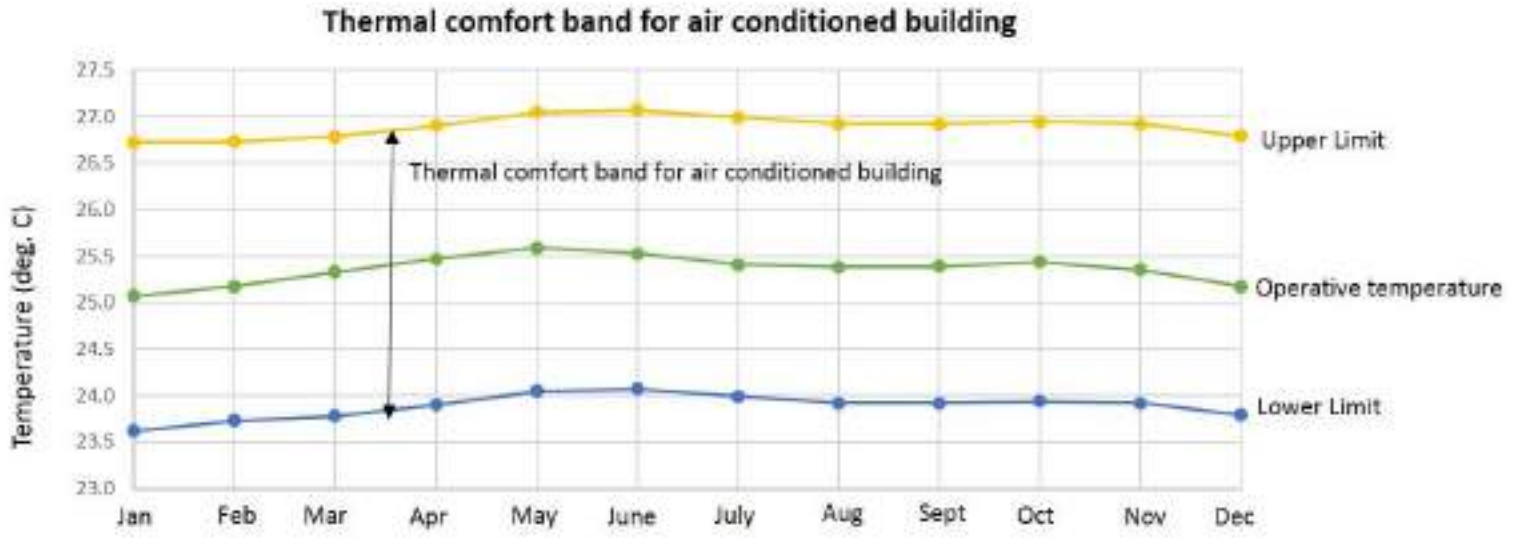
Thermal comfort Analysis

INDIAN MODEL FOR ADAPTIVE THERMAL COMFORT

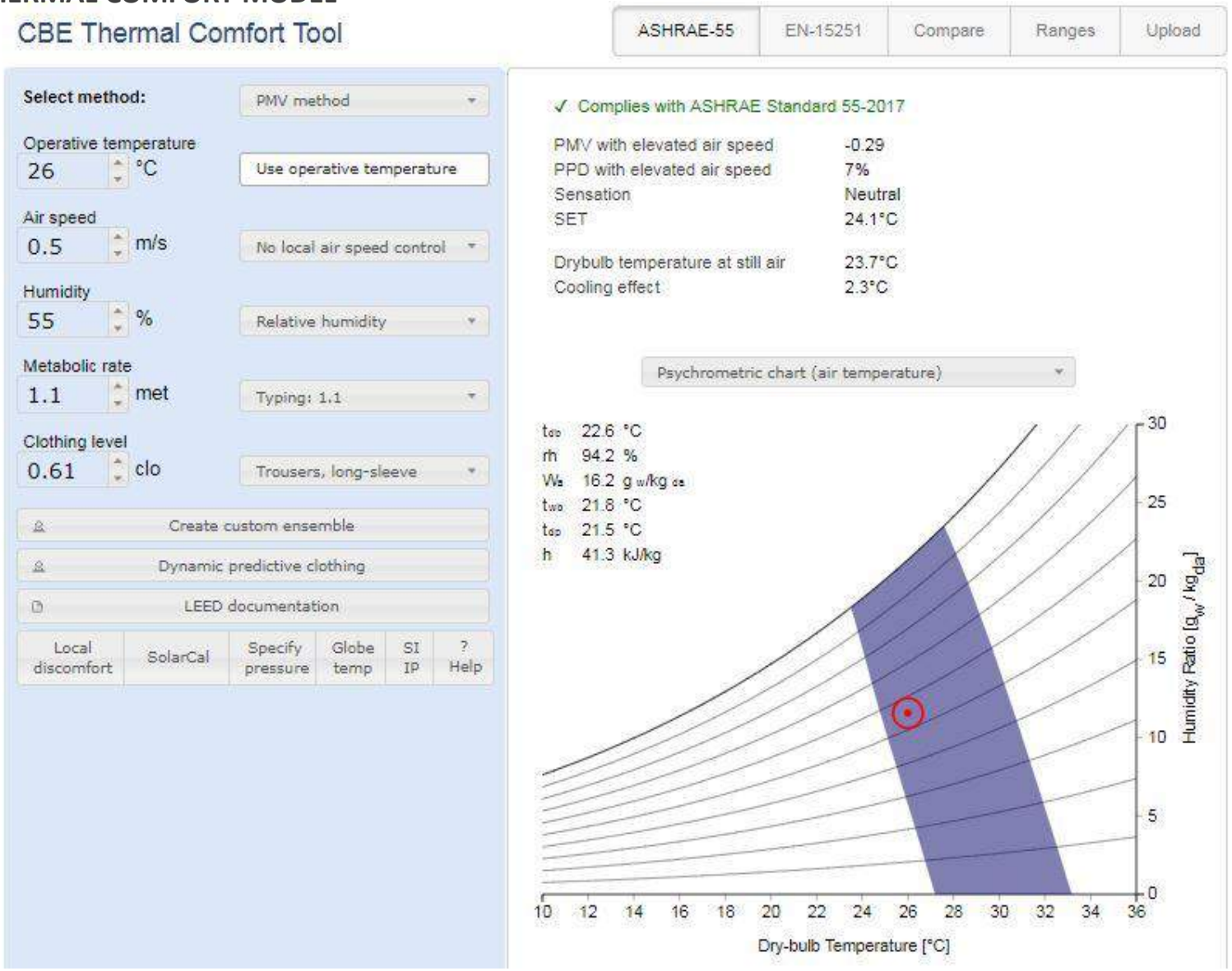
Hourly indoor Operative temperatures are calculated through hourly outside dry bulb temperature for Mumbai using the equations mentioned in ECBC 2017 and IMAC 2015.

The operative temperature (Thermostat) can be maintained at 26 deg. C instead of 22 Deg C which can result in reducing the cooling load, hence increasing the energy savings.

Months	30 day daily mean opeartive temperature	Thermal Band		Accepatbility range	Set Point Temperature
		Lower limit	upper limit		
Jan	25.1	23.62	26.72	90%	26
Feb	25.2	23.73	26.73	90%	26
Mar	25.3	23.78	26.78	90%	26
Apr	25.5	23.9	26.9	90%	26
May	25.6	24.05	27.05	90%	26
Jun	25.5	24.07	27.07	90%	26
July	25.4	23.99	26.99	90%	26
Aug	25.4	23.92	26.92	90%	26
Sept	25.4	23.92	26.92	90%	26
Oct	25.4	23.94	26.94	90%	26
Nov	25.4	23.92	26.92	90%	26
Dec	25.2	23.79	26.79	90%	26



ASHRAE 55 – THERMAL COMFORT MODEL



Conclusion - The Thermal Comfort Analysis shows that to maintain comfortable range inside the building, the temperature should be maintained as per the thermal band. The thermal comfort can be achieved in all the spaces keeping the thermostat at 26 deg. C.

Heat Island Effect Analysis

KAIZEN DESIGN SOLUTIONS

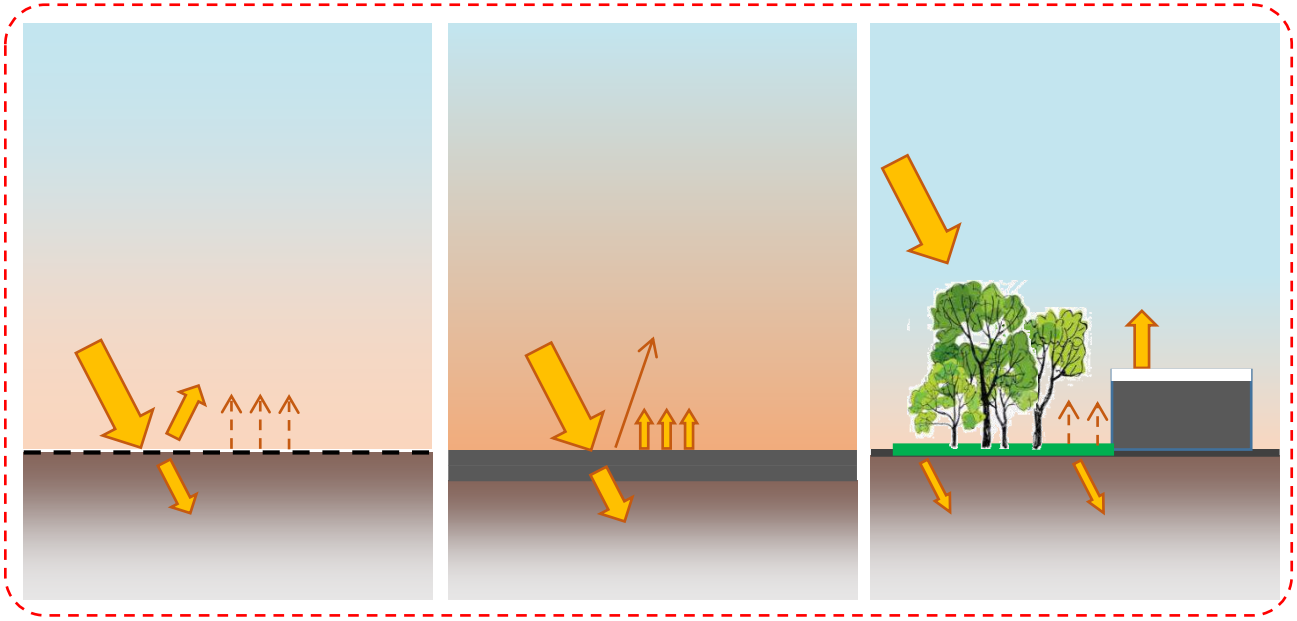
L - 022 26473109 E - projects@kdsglobe.com W - www.kdsglobe.com

URBAN HEAT ISLAND EFFECT

Urban development has serious effects on the global environmental quality, including the quality of air, increase in temperature and traffic congestion. Construction of building itself is related to global changes in terms of increase of urban temperatures, the rate of energy consumption, the increased use of raw materials, pollution and the production of waste, conversion of agricultural land to developed land, loss of biodiversity and water scarcity. An urban heat island is a climatic phenomenon in which urban areas have higher air temperature than their rural surroundings as a result of anthropogenic modifications of land surfaces, significant energy use and its consequent generation of waste heat. Thus, this might prove to be an unsustainable factor that leads to excessive energy use for cooling and putting the urban population at great risk for morbidity and mortality. According to the above perspective and considering that rapid and huge population growth is expected in the near future, it becomes increasingly important to apply heat island mitigation strategies in order to reduce energy consumption and improve the quality of life.

MICRO CLIMATE

Microclimates exist, for example, near bodies of water which may cool the local atmosphere, or in heavily urban areas where brick, concrete, and asphalt absorb the sun's energy, heat up, and reradiate that heat to the ambient air: the resulting urban heat island is a kind of microclimate. Microclimates can be found in most places.



Another place this can occur is when the ground is made of tar or concrete; because these are man-made objects, they do not take in much heat, but mainly reradiate it. But if the same surface are shaded or treated or landscaped, the intensity can be reduced & it is possible to feel less heat island effect in an developed surrounding than a barren land.

WEATHER DATA SUMMARY

LOCATION: MUMBAI, -, IND
Latitude/Longitude: 19.12° North, 72.85° East, **Time Zone from Greenwich** 5
Data Source: IWEC Data 430030 WMO Station Number, **Elevation** 14 m

MONTHLY MEANS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Global Horiz Radiation (Avg Hourly)	411	468	520	550	508	368	289	304	346	443	427	392	Wh/sq.m
Direct Normal Radiation (Avg Hourly)	382	423	436	466	360	149	49	52	97	364	422	382	Wh/sq.m
Diffuse Radiation (Avg Hourly)	167	173	181	177	216	248	249	261	272	189	153	157	Wh/sq.m
Global Horiz Radiation (Max Hourly)	803	897	986	1022	1015	973	896	737	891	915	833	763	Wh/sq.m
Direct Normal Radiation (Max Hourly)	788	828	844	883	848	795	647	362	694	913	878	789	Wh/sq.m
Diffuse Radiation (Max Hourly)	406	436	553	547	496	580	590	578	575	534	445	392	Wh/sq.m
Global Horiz Radiation (Avg Daily Total)	4616	5313	6196	6859	6559	4838	3770	3837	4197	5306	4735	4266	Wh/sq.m
Direct Normal Radiation (Avg Daily Total)	4202	4800	5196	5805	4649	1955	639	656	1188	4178	4676	4156	Wh/sq.m
Diffuse Radiation (Avg Daily Total)	1839	1973	2159	2205	2798	3366	3250	3305	3303	2190	1706	1736	Wh/sq.m
Global Horiz Illumination (Avg Hourly)	44753	51219	57321	61438	57224	41962	33184	34792	39305	49395	46902	42723	lux
Direct Normal Illumination (Avg Hourly)	36125	40061	41720	44222	32047	12420	3946	4104	7914	33658	40190	35858	lux
Dry Bulb Temperature (Avg Monthly)	23	24	26	28	29	29	27	27	27	28	26	24	degrees C
Dew Point Temperature (Avg Monthly)	13	15	18	22	24	25	24	24	24	22	18	14	degrees C
Relative Humidity (Avg Monthly)	58	59	63	69	71	79	83	86	82	74	62	57	percent

Month	Day	Hour	Global Horiz Rad (Wh/sq.m)
3	21	7	2
3	21	8	62
3	21	9	269
3	21	10	522
3	21	11	740
3	21	12	890
3	21	13	957
3	21	14	936
3	21	15	829
3	21	16	645
3	21	17	405
3	21	18	160
3	21	19	16
TOTAL			6433

Radiation in HIE Calculator

Daily (daytime) Average Solar Radiation (W/m2)

- The daily average solar radiation for the location should be for the day of 21st March.

The IWEC2 weather files were produced from ISD data for 23 years (from 1986 to 2009).

IWEC2 weather files have been considered for all types of analysis.

Weather Data Source: IND_Mumbai.430030_IWEC.epw

CLIMATE DATA LENGTH

The weather files on this website have been developed primarily from historical weather data archived in NCDC's ISD data base. The IWEC2 weather files were produced from ISD data from as far back as 1986 to as recently as 2009. The historical weather files have been processed from 2001 thru 2016, with earlier years available upon request.

This is not synthetic or derived data, but the actual recorded data from official weather stations around the world . Where they exist, these data are the basis by which other weather data are evaluated. Even when they don't exist, a 2011 study (Survey and Analysis of Weather Data for Building Energy Simulations) showed that weather data from the nearest ISD station produced the best match to onsite measurements.

White Box Technologies uses software to convert the raw ISD data to local time and conditions, fill or reduce them to hourly time steps, and most importantly, calculate the solar radiation. The software has been used and tested for many years and proven to be robust. The resultant weather files are provided in BINM format for DOE-2-based programs, EPW format for EnergyPlus-based programs, as well as a humanly-readable text format. TMY2 and TMY3 CSV formats can also be supplied.

The IWEC2 weather files were produced from ISD data for 23 years (from 1986 to 2009).

Preface

The purpose of this book is to present brief summary of weather conditions as well as design conditions for all the cities covered under this project. The book is likely to contain sufficient information for the designers who do not use hourly simulation tools. The CD provided with this book contains hourly weather files in different formats to enable the user to directly use the files with most of the building energy simulation tools used. To facilitate further data analysis and development of files in any other format, data of Typical Meteorological Year (TMY) files is also provided in two non-editable formats. The MS Excel file, besides containing TMY data, also contains weekly graphs for temperature, relative humidity and solar radiation to enhance the visualization of hourly variation in their values.

Creation of a TMY file is an empirical approach that selects individual months for different years from the period of record. For example, if the raw data set contains 15 years of data, all 15 January months are examined. Then using statistical methods, the data judged most typical for that particular month is selected to be included in the TMY. The other months of the year are analyzed in a similar manner to select the 12 typical months and then form a complete TMY.

TMY files in this set are created by considering the field measurements of temperature, humidity, precipitation and solar radiation provided by the Bureau of Energy Efficiency (BEE) and Indian Meteorological Department, Government of India, to the project team. The raw data comprised measured values of TMY data recorded at various weather stations over a period of 1990–2006.

Some of the essential tasks related to pre-processing of raw data were identifying data gaps and screening of erroneous data. This was followed by filling up data gaps through scientific interpolations and modelling. Wherever the data gaps were large, for example as in the case of solar radiation data, theoretical models were used to generate data with the help of other climatic parameters over a period of several years. Rather than using a mix of measured and modelled data for development of TMY weather files, for solar radiation data, only modelled data was used as it had large data gaps, hence the gaps in the data sets of temperature and relative humidity were smaller, they were interpolated using algorithms.

Two analysis tools, Climate Consultant V5.4, developed by University of California, Los Angeles, and DView V 1.25, developed by National Renewable Energy Laboratory & Mistaya Engineering Inc, have been used to develop various graphs of the book.

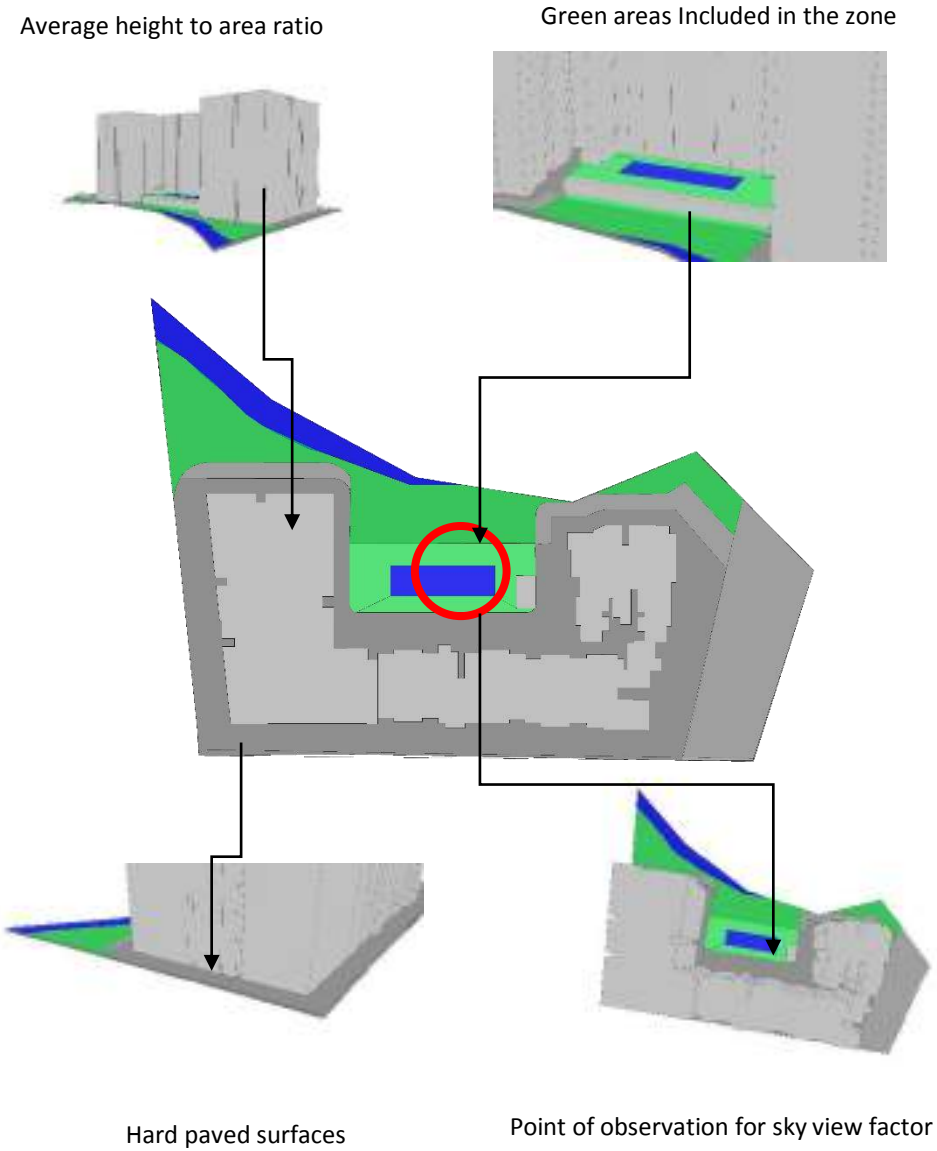
It would be worth mentioning here that since the procedure of creating weather files is based upon data of the past several years, they do not reflect recent changes in weather because of urban heat island effect, increasing air pollution and change in precipitation patterns in the latest years.

Vishal Garg, IIIT Hyderabad
Jyotirmay Mathur, MNIT Jaipur
Vikram Murthy, ISHRAE

The ISHRAE weather files were produced from ISD data for 16 years (from 1990 to 2006).

IWEC2 weather files have been considered for all types of analysis.

CALCULATION METHODOLOGY



Step 1. **Identifying the representative areas for the evaluation**:
A zone has been selected as per people occupancy and day to day activities and gatherings (marked in red).

Step 2. Calculation of hard paved surface for the selected zone
Total hard paved surface is calculated for the entire site and distributed among the zone in terms of percentage.

Step 3. Calculation of average height to a building area ratio
The buildings coming under each zone are considered for calculation of average height to area ratio.

Step 4. Calculation of total wall surface area
The building coming under each zone are considered to calculate the wall surface area of each building. Green plot area is calculated considering number of trees and tree leaf area for each zone.

Step 5. Calculation of sky view factor
Sky view factor is calculated as per the point of observation shown. The calculations are done for two perpendicularly inclined directions and average sky view factor is considered.

Step 6. Design case and base incremental temperature
The incremental temperatures are calculated for all the zones and average of all the incremental/ detrimental value is added to the outside average temperature to calculate the design case temperature.

8 STEP ANALYSIS

Existing Site 1

Step 1 : The analysis has been done on the existing site with the existing development. The existing road surface, hard surface and green area (R.G.) have been considered to calculate existing insolation level on site.

Bldgs. +Roads 2

Step 2 : All the proposed buildings and roads have been modeled and analyzed to calculate insolation level increased by the development.

Mutual Shading 3

Step 3 : The building's own mutual shading will keep some portion of hard area in shade and it will help at some extent to reduce heat island effect during few hours of a day.

Landscape 4

Step 4 : The landscape had been designed in the remaining part to reduce the heat island effect due to proposed development.

Roof Top Solar Panel+ China mosaic tiles 5

Step 5 : Most of the terrace area will have solar panels on top, which will restrict the incident solar radiation. Roof top is also provided with china mosaic tiles, this will help further to minimize the heat island effect.

Shaded Parking 6

Step 6 : The next step is to reduce solar absorption and radiation from parking lots which has significant area and hard surfaces as well. Thus, Shading it will reduce hard surfaces from overall project.

Grid Pavers+ Albedo Roads 7

Step 7 : All the roads will have light colored surface finish instead of tar road finish. These paver blocks will have higher albedo property compare to asphalt road.

Light colored Facade 8

Step 8 : All the exterior façade will be painted with light colour to reflect maximum incident radiation back into the atmosphere and help to reduce the micro-climate temperature.

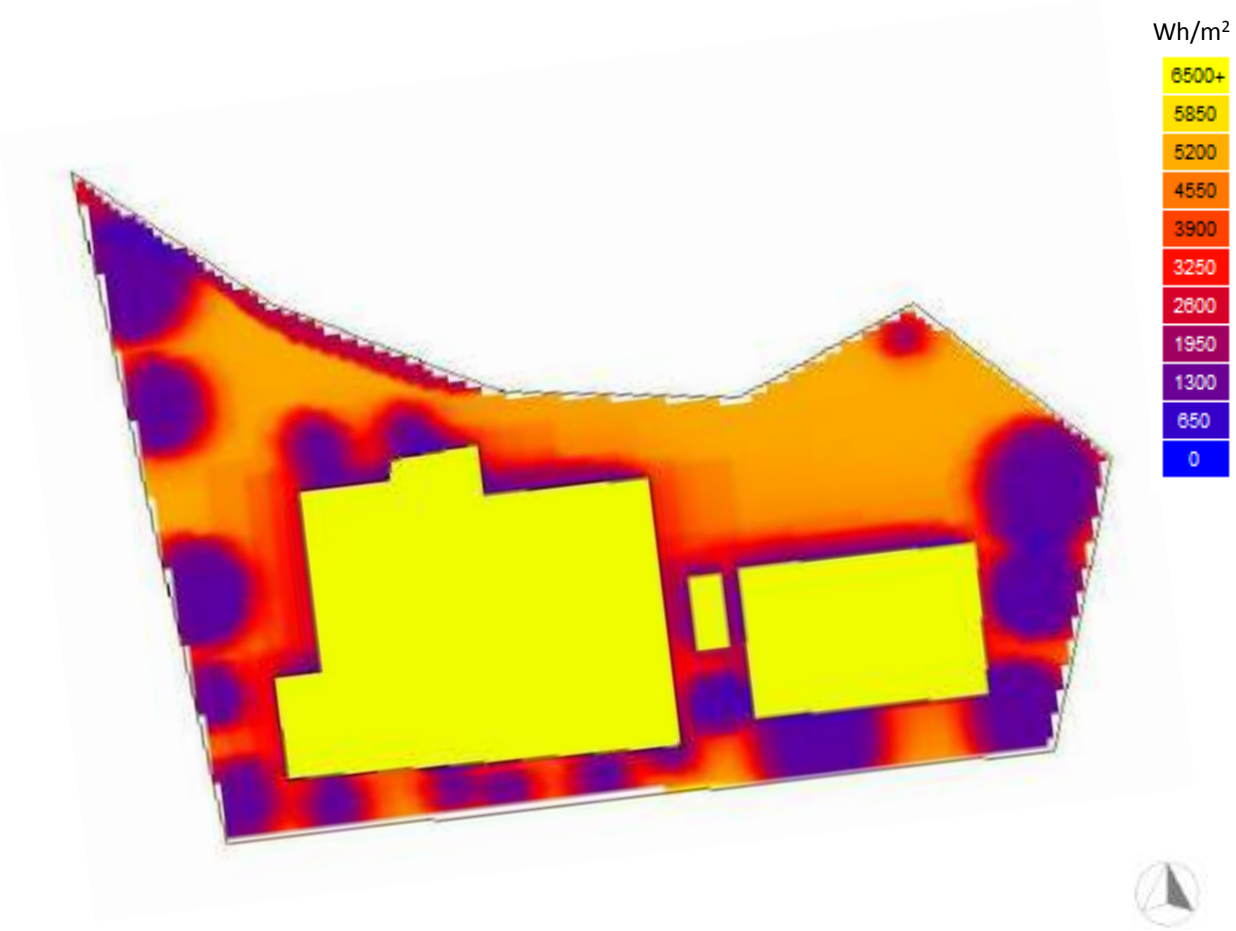
Heat Island Effect of Existing Site

Description

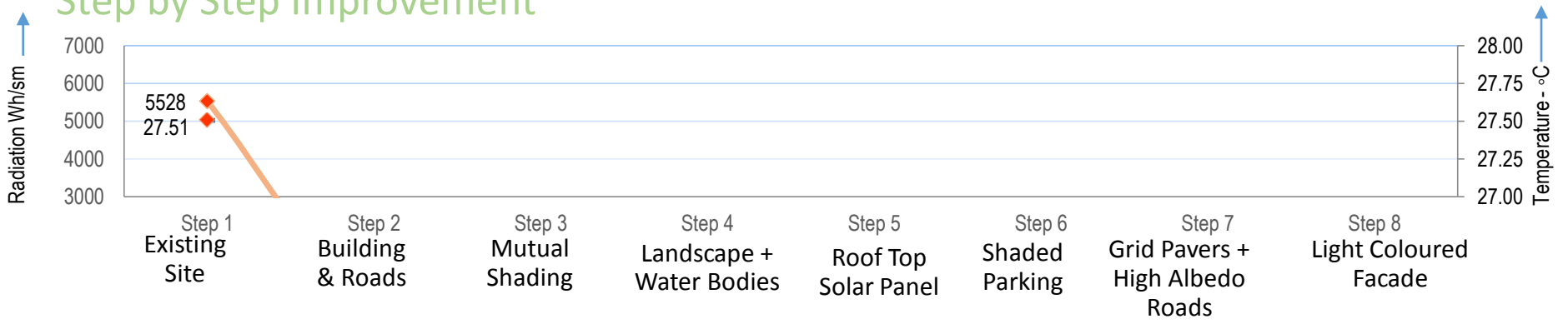
Existing site has been modeled and insolation level is calculated. In succeeding slides, all the proposed buildings and roads have been modeled and analyzed to calculate the increase in insolation level by the development.

Avg. Radiation

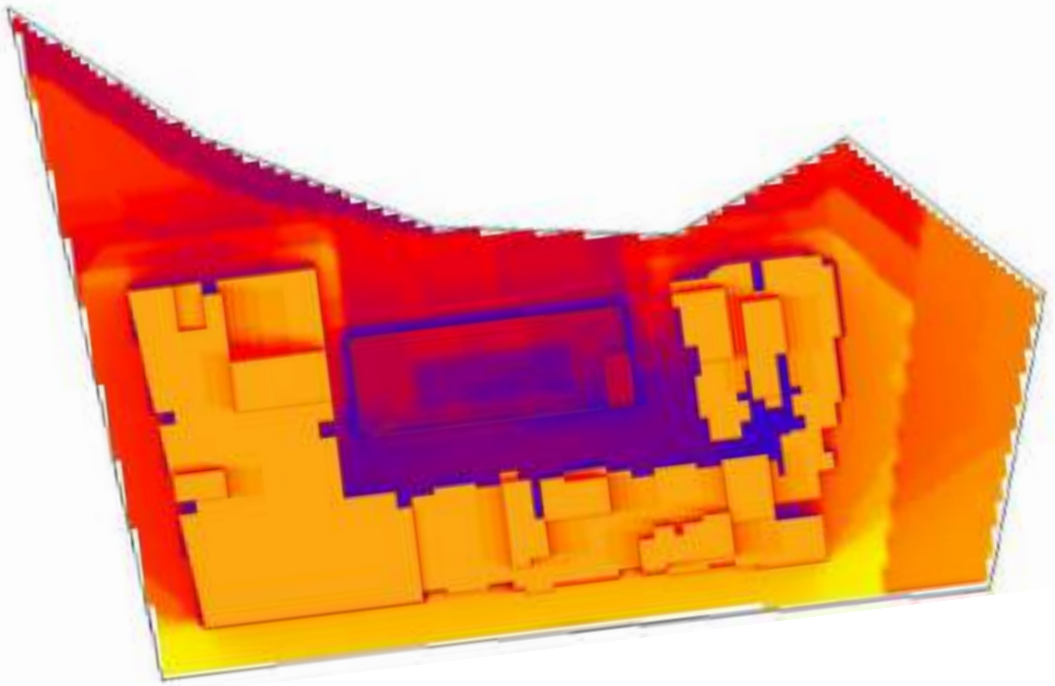
5,528 Wh/sq.m.



Step by Step Improvement



Heat Island effect of proposed case



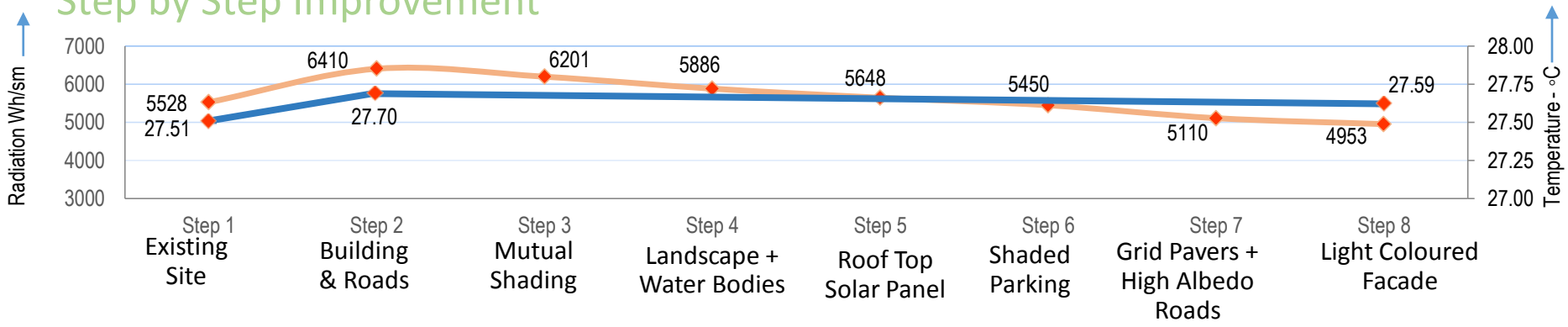
Description

In the final step there is a significant reduction in solar insolation levels due to proposed landscape, trees and paved surfaces. Building phenomena like mutual shading further reduces the heat island effect. Proposed measures like light Coloured facade and shaded parking can reduce the solar insolation levels, resulting in decrease of average ambient temperature.

Avg. Radiation

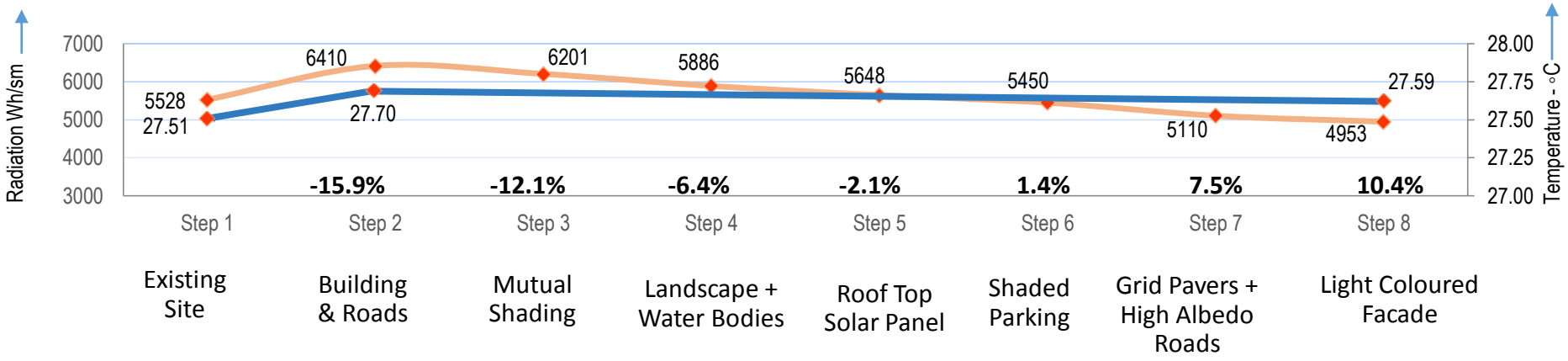
4,953 W/sq.m.

Step by Step Improvement



SUMMARY

	Base case	Design case	Reduction
Radiation	5,528 Wh/sq.m.	4,953 Wh/sq.m.	10.4%
Temperature	27.51 °C	27.59°C	-0.08 °C



Overall, the project reduces solar insolation by 10.4% due to step by step measures taken and temperature increases by 0.08°C.

Environmental Management Plan

TOR (viii) & (xix)

ENVIRONMENTAL MANAGEMENT PLAN

No	Environmental Aspects/ Findings of studies	Standards	Impacts	Design Considerations/ Mitigation Measures to improve Daylight
	DESIGN SPECIFIC			
1.	**Shadow Analysis:** The aim of the study is to assess the potential impact of the development on the neighboring properties which falls under key sunlight sensitive areas.	Not more than 50% of surface area of any building should be shaded for more than 40% time as per BRE standards.	Shadow analysis result shows that the most affected building is Building No. 35 with an average impact time of 02:18 hrs. 23% is the percentage impact which is lesser than 40 % as per BRE standards.	• No mitigation measures required.

ENVIRONMENTAL MANAGEMENT PLAN

<table>
<tr><th>Sr. No.</th><th>Environmental Aspects/ Findings of studies</th><th>Standards</th><th colspan="2">Design Considerations/Mitigation Measures</th></tr>
<tr><td colspan="5">DESIGN SPECIFIC</td></tr>
<tr><td>2.</td><td>Daylight Analysis:
For the daylight simulation, worst case scenario has considered i.e. the units on 2’nd floor of each of the typical proposed towers are considered as the worst case. It is to be noted that the DL level achieved in these flat would be the lowest among all the units.</td><td>Daylight levels available should meet the minimum lighting levels mentioned in SP 41 which are as follows:
<table><tr><th>Space</th><th>Required lux levels (SP 41)</th></tr><tr><td>Living room</td><td>50</td></tr><tr><td>Bedroom</td><td>152</td></tr><tr><td>Kitchen</td><td>200</td></tr><tr><td>Toilet</td><td>25</td></tr><tr><td>Circulation</td><td>25</td></tr><tr><td>Office</td><td>300</td></tr></table></td><td>• It is recommended to paint all the exterior surfaces with light colored paints for maximum light reflectance.
• Similarly, it is recommended to use light color wall, ceilings and floor finishes to achieve higher daylight reflections.
• It is recommended to provide light coloured grid pavers / tiles / roads for hardscaping around the buildings to increase ground reflectance resulting increment in diffused light levels.
• It is recommended to choose Window Glass with visual light transmission of 45%.</td><td>The project is achieving an average of more than 200 lux in all habitable spaces which is higher than the requirement.
<table><tr><th>Space</th><th>Achieved lux levels (SP 41)</th></tr><tr><td>Living room</td><td>225</td></tr><tr><td>Bedroom</td><td>275</td></tr><tr><td>Kitchen</td><td>215</td></tr><tr><td>Toilet</td><td>110</td></tr><tr><td>Circulation</td><td>105</td></tr><tr><td>Office</td><td>395</td></tr></table></td></tr>
</table>

ENVIRONMENTAL MANAGEMENT PLAN

<table>
<tr><th>No.</th><th>Environmental Aspects/ Findings of studies</th><th>Standards</th><th colspan="2">Design Considerations/Mitigation measures</th></tr>
<tr><td colspan="5">DESIGN SPECIFIC</td></tr>
<tr><td>3.</td><td>Wind & Ventilation Analysis:

Wind Analysis is done for external environment around the buildings to ensure that all the habitable areas are meeting the required ventilation rates.</td><td>Ventilation Requirement as per NBC 2016 has specified minimum ACPH required for various habitable spaces which are as follows:

<table><tr><th>Space</th><th>Required ACH (NBC 2016)</th></tr><tr><td>Living room</td><td>3-6</td></tr><tr><td>Bedroom</td><td>2-4</td></tr><tr><td>Kitchen</td><td>4.5</td></tr></table></td><td>Wind speed observed at various heights is between 0.4 m/s to 2.4 m/s.
Ventilation rates achieved for various spaces are as follows:

<table><tr><th>Space</th><th>Achieved ACH</th></tr><tr><td>Living room</td><td>>9</td></tr><tr><td>Bedroom</td><td>>6</td></tr><tr><td>Kitchen</td><td>>9</td></tr></table></td><td>• No mitigation measures required.</td></tr>
</table>

ENVIRONMENTAL MANAGEMENT PLAN

No.	Environmental Aspects/ Findings of studies	Standards	Design Considerations/Mitigation measures	
		DESIGN SPECIFIC		
4.	**Thermal Comfort:** Hourly indoor Operative temperatures are calculated through hourly outside dry bulb temperature for Mumbai using the equations mentioned in ECBC 2017 and IMAC 2015.	As per ASHRAE 55, the temperature of the room should be between 22 deg. C to 27 deg. C. The relative humidity should range between 50 – 60%.	The thermal comfort can be achieved in all the spaces keeping the thermostat at 26 deg. C.	• No mitigation measures required.

ENVIRONMENTAL MANAGEMENT PLAN

No.	Environmental Aspects/Findings of studies	Standards	Impacts	Design Considerations/ Mitigation Measures	
			DESIGN SPECIFIC		
5.	**Heat Island Effect Analysis:** An urban heat island is a climatic phenomenon in which urban areas have higher air temperature than their rural surroundings as a result of anthropogenic modifications of land surfaces, significant energy use and its consequent generation of waste heat.	There are no standards as such to measure the Heat Island Effect impact. But the comparison between Base Case & Proposed Case can be analysed in terms of incident Solar Radiation reduction & change in ambient air temperature.	Ambient air temperature may increase from 27.51 °C to 27.59°C i.e., an increase of 0.08°C in temperature due to Proposed Project.	Though ambient temp will increase the solar insolation will decrease, there is reduction in solar insolaton on site due to the following proposed measures ▪ Mutual shading ▪ Landscape ▪ Water Bodies ▪ Roof Top Solar panels ▪ China Mosaic Tiles ▪ Shaded Parking ▪ Light coloured Grid pavers ▪ High albedo roads ▪ Light coloured façade	There is reduction in solar insolation from 5,528 to 4,953 Wh/ sq.m. i.e., a reduction of 10.4% due to Proposed Project.

THANK YOU

ENCLOSURE 3 LAYOUT PLAN

ENERGY SAVING STATEMENT

Overall Energy Saving: 22 %
Saving Due to Solar: 5 %

ENERGY CALCULATION – AGAINST CONVENTIONAL CASE

	Building Parameters	Maximum Demand Load in kW		Energy Conservation Measures	% Savings
		Standard Base Case	Efficient Proposed Case		
A) Commercial					
1	Internal Lighting	343	164	# LED Tubes & Lamps for all habitable areas	52.00
2	Air Conditioning	462	411	# Energy Efficient VRV System, with high COP	11.00
3	Equipments	247	247	# 5 A Load - TV, Telephone, Fans, Plug Points etc. # 15 A Load - Fridge, Microwave, Washing Machines etc.	0.00
B) Residential					
1	Internal Lighting	130	71	# LED Tubes & Lamps for all habitable areas	45.00
2	Air Conditioning	178	178	# Energy Efficient 5 - Star Rated Split AC, High COP	0.00
3	Equipments	119	119	# 5 A Load - TV, Telephone, Fans, Plug Points etc. # 15 A Load - Fridge, Microwave, Washing Machines etc.	0.00
4	Water Heating	149	89	# 40% of Total Hot Water requirement on Solar	40.00
C) Infrastructure					
1	Common Area Lighting	50	24	# LED Tubes for Stairs, Stores, MEP Rooms, Toilets, Lobbies	52.00
2	External / Landscape Area Lighting	24	12	# LED Lamps with Timer Based Controls	50.00
3	Parking Area Lighting	24	12	# LED Tubes for Parking Spaces	51.00
4	Plumbing, Fire, Equipment & Ventilation	73	59	# Pumps & Motors with Premium Efficiency of 80%	18.00
5	Lifts & Escalators	33	30	# Energy Efficient Lifts with VVVF Lift Drive	11.00
#	Grand Total	1830	1417	Total Savings in Energy Demand - 1417 kW	22.59

Sr. No.	Energy Conservation Measures	Savings %
1	Better Envelope Design	22.59% energy saved as per Conventional Base Case. 3.27% energy saved as per ECBC 2007 Base Case. 7.28% energy saved as per ECBC 2017 Base Case.
2	Lower Lighting Loads	
3	Efficient Air Conditioning System	
4	Efficient Pumps & Motors	

Hot water consumption	59 kW
Solar	
PV	20 kW
Total	79 kW
Demand Load	1417 kW
Savings through Renewable energy	**5.61%**

ECBC COMPLIANCE- RESIDENTIAL

Sr. No.	Model Input Parameter	Baseline Case (As per ECBC 2007)	Proposed Case
1	Exterior Wall Construction	U-factor: 0.44 W/sm.K	U-Value: 0.85 W/sm.K 6" External AAC Wall
2	Roof Construction	U Value: 0.26 W/sm.K	U-Value: 0.47 W/sm.K 6" RCC Slab with 2" XPS insulation
3	Glazing	U Value: 3.30 W/sm.K SHGC: 0.25	U Value: 4.60 W/sm.K SHGC: 0.42 VLT: 45%
4	WWR	25%	25%
5	Shading	No shades	Shading effect of solar panel on roof and shading devices on all facade is considered.
6	EPD (W/sq.m.)	15	15
7	Pumps & Motors	IE 1	IE 2
8	LPD (W/sq.m.)	7.5	5.0
9	External Lighting Load (kW)	As per Annexure IV	30% lesser than Annexure IV
10	Domestic Hot Water	20% on Solar (20 ltr/person/day)	40% on Solar (20 ltr/person/day)
11	HVAC System Type	Packaged Single Zone (Split Unit) with COP 3.0.	Packaged Single Zone (Split Unit) with COP 5.0
12	Process Loads	As per Design	As per Design
13	DG Set	CPCB Approved	CPCB Approved
14	PF Correction	0.95	0.95
15	Power Distribution Losses	< 1%	< 1%

ECBC COMPLIANCE- COMMERCIAL

Sr. No.	Model Input Parameter	Baseline Case as per ECBC 2017 Parameters	Proposed Case
1	Exterior Wall Construction	U factor: 0.40 W/sm.K	U-Value: 0.85 W/sm.K 6" External AAC Wall
2	Roof Construction	U factor: 0.33 W/sm.K	U-Value: 0.47 W/sm.K 6" RCC Slab with 3" XPS insulation
3	Glazing	U factor: 3.00 W/sm.K SHGC: 0.25 Non-north 0.50 North	U Value: 1.80 W/sm.K SHGC: 0.2 VLT: 45%
4	WWR	40%	40%
5	Shading Devices	Not Applicable	As per Design
6	Equ Power Density	15 W/sm	15 W/sm
7	Lighting Power Density	As per Building Area Method LPD: 9.5 W/sm	As per Building Area Method LPD: 7.5 W/sm
8	Pumps & Motors	IE 2	IE 3
9	Occupancy Sensors	Applicable	Considered
10	Daylight Sensors	Applicable	Not Considered
11	Ext. Lighting Load	As per Annexure III	30% lesser than Annexure III
12	Domestic Hot Water	No Hot Water requirement	Not Considered
13	Process Load	As per design	As per Design
14	Renewable Energy	1% of Peak Demand (14.1 kW - For Entire Project)	Complied with (20 kW - For Entire Project)
15	Data Server Loads	Not Applicable	Not Considered
16	Ventilation Requiremnt	10 CFM / person ASHRAE 62.1 2010	13 CFM / person ASHRAE 62.1 2010 + 30%
17	Chiller Parameter	Not Applicable	Not Considered
18	VSD's on Chiller	Not Applicable	Not Considered
19	VFD's on Cooling Tower	Not Applicable	Not Considered
20	Primary, Fire, Condenser Pump	Standard – 60%	Premium – 70%
21	Primary, Fire, Condenser Motor	Standard – 70%	Premium – 85%
22	HVAC System	Packaged Single Zone (Split Unit) with COP 3.0.	Varial Refrigerant Volume - COP 4.5 Packaged Single Zone (Split Unit) with COP 5.0
23	VFD in AHU's & Secondary Pumps	Not Applicable	Not Considered
24	Demand Control Ventilation	Not Applicable	Not Considerd
25	Heat Recovery Wheel	Not Applicable	Not Considered
26	Airside Economizer	Not Applicable	Not Considered
27	CO Sensors	Applicable	Considered
28	DG Set	BEE 3 Star Rated	BEE 3 Star Rated
29	PF Correction	0.97	0.97
30	Power Dist. Loss	< 3%	< 3%

MUNICIPAL CORPORATION OF GREATER MUMBAI
MUMBAI FIRE BRIGADE

Sub: N.O.C. stipulating Fire-Protection & Fire-Fighting requirements for the Proposed Construction of High Rise Residential-cum-Commercial Building, in General Industrial (I-2) Zone, On Plot bearing C.T.S. Nos. 657 of Village Mohili 'L' Ward, Mumbai.

Ref: Online File Submission No. CHE/ES/4273/337 (New).

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

This is proposal for the Construction of High Rise Residential-cum-Commercial Building, comprising of 04 Wings, designated as Wing -A, Wing -B, Wing -C, & Wing -D. Wings -A, B, & C are High Rise Residential Wings & Wing -D is High Rise Commercial Wing.

Wings A, B, & C are having Common 02 level basements (also common with High Rise Commercial Wing -D) + Ground floor part on stilt + & thereafter the building is divided into 03 different Wings i.e. A, B & C, each wing having 1st to 12th upper residential floors with a total height of 38.30 mtrs. measured from general ground level up to terrace level.

High Rise Commercial Wing -D having 03 level basements (1st & 2nd basements common with High Rise Residential Wings A, B, C & 3rd basement is Part basement only for Commercial Wing -D) + Ground floor for partly on stilts + 1st & 2nd floors as Parking floors (within building line) + 3rd to 11th upper Commercial floors (11th Pt.) with a total height of 38.75 mtrs. measured from general ground level up to terrace level.

The Licensed Surveyor has also proposed a Low Rise Independent Structure, on North side of the building, having Ground floor on stilts for car parking & 1st floor for swimming pool & R.G. with independent staircase having flight width of 01.50 mtrs. leading from ground to 1st floor, as shown in the plan.

Licensed Surveyor has proposed space for Sub-station & Transformer on North-East corner & Space for D.G. Set on North-West Corner of the plot, as shown on the enclosed plans

- **The Floor-Wise user of the High Rise Residential Wings -A, B & C, are as under;**

Floors;	**Occupancy per floor;**		
	Wing A	**Wing B**	**Wing C**
2nd Basement (-06.75mtrs.)	Horizontal car parking accessible by 06.00 mtrs. wide 02 way ramp & two car lifts		
1st Basement (-03.75 mtrs.)	For STP tanks & Space for U.G. tanks, Pump rooms, Electric meter rooms & for Horizontal as well as 02 Tier Stack car parking accessible by 06.00 mtrs. wide 02 way ramp & 02 Car lifts.		
Common Ground floor part on stilt.	For Entrance lobbies, 07 Shops, 02 Fitness centers, Fire Panels & Stilt for Horizontal car parking.		
1st to 7th & 9th to 12th floors.	04 nos. of Residential flats on each floor.	04 nos. of Residential flats on each floor.	04 nos. of Residential flats on each floor.
8th floor.	03 nos. of Residential flats & for Refuge area.	03 nos. of Residential flats & for Refuge area.	03 nos. of Residential flats & for Refuge area.
Terrace.	Open to sky of each Wing (to be treated as Refuge area)		

- **Floor-Wise user of the High Rise Commercial Wing -D, are as under;**

Floors;	Occupancy per floor;
3rd Part Basement (-09.75 mtrs.)	For Horizontal car parking way of 02 nos. of Car lifts.
2nd Basement (-06.75 mtrs.)	For Horizontal car parking accessible by 06.00 mtrs. wide 02 way ramp & 02 nos. of Car lifts.
1st Basement (-03.75 mtrs.)	For STP tanks, Space for U.G. tanks, Pump rooms, Electric meter rooms & for Horizontal car parking accessible by 06.00 mtrs. wide 02 way ramp & 02 nos. of Car lifts.
Ground floor partly on stilt	For Entrance lobbies, 02 Nos. of Showrooms & Stilt for Horizontal car parking
1st & 2nd Parking floors	For Horizontal car parking way of 02 nos. of Car lifts.
3rd floor.	For 06 nos. Offices & Car lift machine room.
4th to 7th, 9th & 10th floors.	For 06 nos. Offices
8th floor	For 05 nos. Offices & for Refuge area
11th floor (Pt.)	For 05 nos. Offices & for Part terrace.
Terrace.	Open to sky.

- The proposed site / plot abut on 18.30 mtrs. wide D.P. Road Off Kurla-Andheri Road on South side.

Side	Open spaces for High Rise Residential Wings -A, B, & C, are as follows;		
	Wing -A	**Wing -B**	**Wing -C**
North	07.43 mtrs. upto Independent Structure.	Attached to Wing -C.	06.08 mtrs. to 11.57 mtrs.
South	05.45 mtrs. to 05.85 mtrs. (No Compound Wall) + 18.30 mtrs. wide D.P. Road.	04.43 mtrs. to 04.71 mtrs. (No Compound Wall) + 18.30 mtrs. wide D.P. Road.	Partly Attached to Wing -B.
East	Attached to Wing -B.	08.70 mtrs. + Amenity area.	07.94 mtrs. to 10.10 mtrs. + Amenity area.
West	06.00 mtrs. Joint open space with Wing -D.	Attached to Wing -A.	06.00 mtrs.to 07.67 mtrs. upto Independent Structure.

Side	Open spaces for Commercial Wing-D, are as follows;
North	07.68 mtrs. to 12.42 mtrs. including Paved RG
South	04.54 mtrs. to 05.21 mtrs. (No Compound Wall) + 18.30 mtrs. wide D.P. Road.
East	03.00 mtrs. upto Independent Structure & 06.00 mtrs. Joint open space with Wing -A.
West	06.09 mtrs. to 09.36 mtrs.

Side	Open spaces for Independent Structure, are as follows;
North	15.01 mtrs. including Paved RG
South	06.15 mtrs. to 07.43 mtrs. upto Wing -A.
East	06.00 mtrs.to 07.67 mtrs. upto Wing -C.
West	03.00 mtrs. upto Wing -D.

- **Details of Refuge Area, (For High Rise Residential Wings -A, B, C & Commercial Wing);**

Floor	Wings	Refuge area in sq. mtrs.		At the height from ground level in mtrs.
		Required	Provided	
8th floor.	Wing 'A'	55.85 sq. mtrs.	59.47 sq. mtrs.	23.80 mtrs.
	Wing 'B'	48.77 sq. mtrs.	52.92 sq. mtrs.	
	Wing 'C'	59.83 sq. mtrs.	63.57 sq. mtrs.	
8th floor	Wing 'D'	134.30 sq. mtrs.	137.91 sq. mtrs.	26.35 mtrs.
In addition to above, Terrace floors of all the above Wings shall be treated as refuge area. Excess refuge area if any shall be counted in FSI.				

- **The Details of Staircases of High-Rise Residential Wings -A, B, & C;**

Staircase Description	Width of staircase	No. of staircase	Type
Leading from 2nd Basement level up to terrace level, (Diverted at ground level).	01.50 mtrs.	02 Nos.	Enclosed
Leading from ground level up to terrace level	01.50 mtrs.	01 No.	Enclosed
Additional staircase for independent structure having ground and first floor	01.50 mtrs.	01 No.	open
The staircases are externally located & adequately ventilated. The basements are provided with smoke check lobby, as shown in the enclosed plans.			

- **The Details of Staircases of High Rise Commercial Wing -D;**

Staircase Description	Width of staircase	No. of staircase	Type
Leading from 3rd Basement level up to terrace level, (Diverted at ground level).	01.50 mtrs.	01 No.	Enclosed
Leading from Ground level up to terrace level	01.50 mtrs.	01 No.	Enclosed
The staircases are externally located & adequately ventilated. The basements are provided with smoke check lobby, as shown in the enclosed plans.			

- **The Details of Lifts of High-Rise Residential Wings -A, B, & C;**

Lifts Type;	Profile;	Nos. of Lifts;		
		Wing -A	Wing -B	Wing -C
Passenger Lifts	Leading from 2nd Basement level up to Top floor / terrace level.	02 Nos.	02 Nos.	02 Nos.
01 Lift from each Wing will be converted into Fire Lift. The Lift lobby / Common passage on each floor in Each Wing are ventilated to outside air, as shown in the enclosed plans.				

- **The Details of Lifts of High Rise Commercial Wing -D;**

Lifts Type;	Profile;	Nos. of Lifts for Wing -D;
Passenger Lifts	Leading from 3rd basement level up to Terrace level.	03 Nos.
01 of the Lift will be converted into Fire Lift. The Lift lobby / Common passage on each floor are ventilated to outside air, as shown in the enclosed plans.		

- **Basements;**

1st & 2nd basements are common for all the four wings i.e. Residential Wings -A, B, C & Commercial Wing -D while 3rd basement which is Part basement is only for Commercial Wing -D. The basement levels are proposed below the building as well as extend beyond the building line. The basements will be ventilated through ventilation cutouts, as shown in the plans. In addition, mechanical ventilation will be provided as per the rules.

- **Access Ramp;**

No. of Access Ramp	Width	Details
01	06.00 mtrs.	Leading from ground level up to 2nd basement level.

- **<u>The proposal has been considered favorably in view of the facts that</u>;**

1. The proposed site / plot abut on 18.30 mtrs. wide D.P. Road Off Kurla-Andheri Road on North side. As such, the proposed building is accessible to fire appliances.
2. The building will be protected with advance in built Fire-fighting system such as Wet riser, Hydrant system, Fire alarm system & Sprinkler system, Public address system, Smoke detection system etc**.**
3. The fire resistance rating for staircase F.R.D., Lift lobby / protected lobby & the lift doors as per N.B.C. provisions.
4. During construction stage & prior to Final Occupation Party to comply with additional requirements stipulated by Mumbai Fire Brigade Officer if any in future.

In view of the above, as far as this Department is concerned, there would be no objection for the proposed Construction of High Rise Residential-cum-Commercial Building, comprising of 04 Wings, designated as Wing -A, Wing -B, Wing -C, & Wing -D. Wing A, B & C are High Rise Residential wings, & Wing -D is High Rise Commercial Wing. Wing -A,B, & C are having Common 02 level basements (also common with High Rise Commercial Wing -D) + Ground floor part on stilt & thereafter the building is divided into 03 different Wings i.e. A, B, & C, each wing having 1st to 12th upper residential floors with a total height of 38.30 mtrs. measured from general ground level up to terrace level. High Rise Commercial Wing -D will have 03 level basement (1st & 2nd basements common with High Rise Residential Wing -A, B & C & 3rd basement is part basement only for Commercial Wing -D) + Ground floor for partly on stilts + 1st & 2nd floor as parking floors (within building line) + 3rd to 11th upper Commercial floors (Part 11th floor) with a total height of 38.75 mtrs. measured from general ground level up to terrace level, alongwith Independent Structure having ground floor on stilts for car parking & 1st floor for Swimming pool & R.G. on the North side of the plot with independent staircase having flight width of 01.00 mtrs. leading from ground to first floor, as per shown on the submitted enclosed plans, signed in token of approval, subject to satisfactory compliance of the following requirements;

1. <u>ACCESS</u>;

i. There shall be no compound wall on Internal road side of the building. The courtyards shall be flushed with the road levels.
ii. All access & fire tender access should be free of encumbrances.
iii. Courtyard s shall be flushed with the road level.

2. <u>PROTECTION TO STRUCTURAL STEEL</u>;

i. All the structural steel members i.e. columns, beams etc., shall be protected with the 02 hours fire resisting materials & methods as stipulated under IS 1942-1960 as application for residential building.
ii. A certificate for as stated above shall be furnished from the Structural Engineer as the time of application for occupying the building.

3. COURTYARDS;

i. The available courtyards / open space, 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 plan.
iii. The courtyards shall be kept free from obstruction at all times.

4. STAIRCASES, (For Wing A, B, C & D);

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 & shall be approached (gained) at each floor level at least 02 hours fire resistant self-closing door (45 mm. thickness) placed in the enclosed wall of the staircase.
iii. Externally located staircases adequately ventilated to outside air with smoke check lobby for the basement.
iv. Permanent vent at the top equal to 5% of the cross sectional area of the staircase shall be provided.
v. 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.
vi. No combustible material shall be kept or stored in staircase / passage.
vii. Internal staircases shall be no combustible material.

5. BASEMENTS, (All Wings);

i. Each basement shall be separately ventilated. Vents with cross, sectional area (Aggregate) not less than 2.5 percent of the floor area spread evenly around the perimeter of the basement shall be provided in the form of grills or breakable stall boards lights or pavement lights or by way of shafts. Alternatively, a system of air inlets shall be provided at basement floor level & smoke outlets at basement ceiling level. Inlets & outlets may be terminated at ground level with stall boards or pavement lights as before but ducts to convey fresh air to the basement floor level shall have to be laid. Stall boards & pavement lights should be in position easily accessible to the Fire Brigade Personal & Rescue Teams & clearly marked **'SMOKE OUTLET'** or '**AIR INLET'** with an indication of area served at or near the opening.
ii. The basements shall be used for designated purpose only as shown in the plan.
iii. The basements shall be provided with natural ventilations through the ventilators, open cut outs as shown in the plan.
iv. The staircases of the basements shall be of enclosed type & entry to basement areas shall be through 02 hours fire resistance self-closing door provided in the enclosed wall of the staircase & through smoke check / cut off lobby. The smoke check / cut off lobby shall be mechanically pressurized.
v. Mechanical ventilation shall be provided to the basement with 06 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. Basement area shall be divided in compartments as per rule.
viii. The operating switches of the mechanical ventilation shall be located in the fire control room with appropriate zonal indications.
ix. Exhaust duct shall be provided to draw out exhaust at ground level of the basement.
x. Suitable signage's shall be provided in the basement showing exit direction, way to exits etc.
xi. Automatic sprinkler system shall be provided in basement area. These systems shall be installed as per the standard laid down by T.A.C. & relevant I.S. specifications

xii. Smoke off lobby, Staircases, common passages & escape routes of the entire building shall be painted with fire retardant paint.
xiii. Staircase & 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 12.00 to 16.00 mtrs.
xiv. The staircases of the basements & the associated lift lobbies shall be pressurized in the event of fire. The pressure in this enclosed staircase & enclosed lift lobbies shall be maintained not less than 5 m.m. W.G. & 2.5 mm W.G. for lift lobbies.
xv. CO Detector with audible alarm system shall be provided to all the basement areas & the circuit of the same shall be given / connected to mechanical ventilation system to start automatically on actuation of CO Detector & the other detectors provided in the basements.
xvi. Ventilation system shall start automatically on actuation of detector provided in the basement area.
xvii. Exhaust duct, mechanical ventilation duct should not pass through exit or entry.
xviii. The basement beyond building line 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.
xix. 02 Nos. of Dry Chemical Powder (ABC) type fire extinguishers of 09 Kgs. capacity each with I.S.I. certification mark shall be kept for every 100 sq. mtrs. area in each basement.

6. <u>ELECTRIC CABLE SHAFTS, SERVICES & METER ROOM,</u> <u>(For Wing A, B, C & D)</u>;

i. Electric cable shafts shall be exclusively used for electric cables & should not open in staircase enclosure.
ii. Inspection doors for shafts shall have 02 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 E.L.C.B. / M.C.B.
v. Electric meter rooms shall be provided at first basement floor level & shall be adequately ventilated & easily accessible.
vi. Electric wiring shall be having copper core having the fire resistance & low smoke hazard cables for the entire building, with the provision of E.L.C.B. / M.C.B. Low & Medium voltage wiring running in shaft & 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 & corridor lighting & blowers for pressurizing system shall be provided directly from the main switch gear panel & 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.

7. <u>ELECTRIC SUB STATION,</u> <u>(Dry Type)</u>;

i. Only dry type transformer shall be installed.
ii. The proposed Electric Sub-station shall be covered from all three sides either by 04 hours fire resistance brick masonry walls / R.C.C. of 9^{th} thickness with provision of 02 hours fire resistant door.
iii. Entire Installation of sub-station including Switchgear Room, Capacitors, & Transformer etc. shall be conforming to the Indian Electrical Act. & Ruled framed their under.
iv. The proposed sub-station shall be constructed as per plan.
v. Cables in the cable trenches shall be coated with fire retardant material.

vi. Electric wiring shall be having copper core having the fire resistance & low smoke hazard cables for the entire building with provision of E.L.C.B. / M.C.B.
vii. Automatic built-in-circuit breakers shall be provided in the Electric Sub-Station.
viii. Transformer shall be suitably insulated & shall be designed for continuous operation at rated KVA at the secondary terminal under the prevailing service condition at a higher rated voltage.
ix. The design, treatment & construction of Transformer & breaking of the windings shall be such as to withstand the heavy, mechanical & thermal stresses, which may be experienced under the condition of daily cycle of heating & pulling due to fluctuation in load of dead short circuit on either side of the transformer.
x. The capacity of the Electrical sub-stations shall be as per Electric supply company's requirements.
xi. Adequate air & ventilation for Switchgear Room is essential to prevent condensation of moistures
xii. All parts of Switchgear & Transformer shall be got examined frequently & carefully for signs of overheating, tracking etc.
xiii. Entrance, Exit & clear passage shall be kept free from obstruction.
xiv. Good housekeeping shall be maintained at the premises & flooring shall be kept free from oil spillage.
xv. Smoking, Heating, Cooking use of naked light on the premises shall be strictly prohibited.
xvi. Switches gears shall be housed in separate room, separated from the transformer base by a fire resistant wall of not less than 04 hours.
xvii. All security & staff shall be well trained to use the fire-fighting equipment & summoned the fire brigade in case of emergency.
xviii. The Electric Sub-Stations area shall be kept prohibited and no unauthorized person shall be allowed to enter in the area.
xix. Authenticity / Approval of the premises shall be inspected, verified & approved by concerned department & municipal authorities of concerned Ward till then further process shall not be permitted.
xx. Location, place & capacity of the sub-station shall be inspected, verified & approved by concerned authorities.
xxi. 04 Nos. of Dry Chemical Powder (ABC) type fire extinguishers of 09 Kgs. capacity each with I.S.I. certification mark coupled with 08 buckets filled with dry, clean sand shall be kept at the entrance of the Electrical Sub-station.

8. <u>D. G. SET ROOM</u>;

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 E.L.C.B. / M.C.B.
vii. In electrical installation of the building shall be provided for vertical electrical shaft with feeder pillar box of a gap of every 24.00 mtrs. height of the building.
viii. Adequate air & ventilation for switchgear room is essential to prevent condensation of moistures.
ix. The capacity of the D.G. Set shall be 500 KVA as per BEST's 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 & no unauthorized shall be allow entering 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 09 ltrs. Capacity each with BIS certification mark coupled with 4 buckets filled with dry, clean sand shall be kept in the D. G. Set cabin.

9. LIFTS, (For Wing A, B, C & D);

a) PASSENGER LIFTS;

i. Walls enclosing lift shaft shall have a fire resistance of not less than 02 hours.
ii. Shafts shall have permanent vent of not less than 0.2 sq. mtrs in clear area immediately under the machine room.
iii. Landing doors & lift car doors of the lifts shall be of steel shuttered with fire resistance of 01 hour.
iv. No collapsible shutter shall be permitted.
v. 01 of the lift in each wing shall be converted into Fire lift for each Wing & shall be as per specifications laid down under the regulations, a toggle switch shall be provided to this lift for the use of Firemen.
vi. Threshold of non-combustible material shall be provided at the entrance of each landing door.

b) FIRE LIFTS;

i. Walls enclosing lift shafts shall have 02 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 & lift car doors shall be of steel shuttered type with 01 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 & shall be available for the exclusive use of the firemen in an emergency & 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 01.12 mtrs. It shall have loading capacity of not less than 545 Kg. (08 Persons 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 & 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 & Threshold of non-combustible material shall be provided at the entrance of each landing door.
ix. Except Service Lifts, other lifts shall be converted into Fire Lifts conforming to relevant regulations.

x. The lift lobbies in the basement shall be enclosed & shall be pressurized with positive air pressure of 05 m.m. W.G.

10. 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.
iii. 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.
iv. 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.
v. Repairing / Servicing of cars, use of naked light shall not be permitted in the car parking areas.
vi. The drive way shall be properly marked & maintained unobstructed.
vii. The Automatic Sprinkler System provided to the entire car parking area.

11. STACKED CAR PARKING:

i. Structural Design: The SA-FAMCP shall be constructed of structural steel construction.
ii. Vertical deck separation For SA-FAMCP 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.
iii. Elements of the staked car parking structure shall have 01 hour fire resistance.
iv. Each car parking deck shall have 01 hour fire resistance.
v. Parking area shall be accessible by trained staff when carrying out the maintenance work.
vi. The parking system is to be ceased during the maintenance operation.
vii. Automatic sprinkler system to the entire parking floor & drencher system on the top of each car parking level shall be provided.

12. CORRIDOR / LIFT LOBBY, (For Wing A, B, C & D);

i. Corridor & lift lobby at each floor level shall be naturally ventilated.
ii. The common corridor & lift lobby at each floor level shall be kept free from obstructions at all times.
iii. Proper signage's for way to staircase, escape routes, staircase, floor nos. etc. shall be provided at each floor of building.
iv. Portable lights / insta-lights shall be provided at strategic locations in the staircase & lift lobby of Commercial Wing -D only.

13. STAIRCASE AND CORRIDOR LIGHTINGS, (For Wing A, B, C & D);

i. The staircase & corridor lighting shall be on separate circuits & 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 & corridor lighting shall also be connected to alternate supply.
iii. Double throw switches should be installed to ensure that lighting in the staircase & 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.

14. COMMERCIAL UNIT AREA;

i. Necessary Trade Permission / License shall be obtained from competent authority.
ii. The Automatic Smoke Detection System shall be provided in the commercial premises of the building.
iii. 02 nos. of Dry Chemical Powder fire extinguishers A.B.C. type of 09 kgs. capacity each shall be kept at Commercial Unit premises for every 100.00 sq. mtrs.

15. ENTRANCE DOORS & EXIT / ENTRANCE STAIRCASE, (For Wing A, B, C & D);

i. All Entrance doors, Kitchen doors (if any) shall be of solid core having fire resistance of not less than 01 hour (solid wood of 45 mm thickness.)
ii. The fire resistance rating for staircase F.R.D., Lift lobby / protected lobby & the lift doors as per N.B.C. provisions.

16. FALSE CEILING (If Provided), (For Wing A, B, C & D);

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

17. MATERIALS FOR INTERIOR DECORATION / FURNISHING, (For Wing A, B, C & D);

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

18. GLASS GLAZING, (For Wing -D);

i. An opening to the glass glazing of min. width 1.5 m & height 1.5 m shall be provided at proposed floor at level of 1.2 m from the flooring facing compulsory open space as well as on road side.
ii. The open able 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.
iii. Distance between external wall & glass glazing shall not be more than 300 mm.
iv. The smoke seals / barriers between building & glazing shall be provided in form of non-combustible material / vermiculate cement.
v. Glass glazing blocking the area if staircase, lift lobby, corridor shall be kept openable. Pressurized system of the staircase / lobby shall be synchronized with opening mechanism.
vi. The glass use for the glazing shall be toughened (tempered) safety glass as per I.S. 2553, Part I or laminated safety glass as per I.S. 2553-Part I, satisfying stability criteria.
vii. Automatic dry type water curtain shall be provided at floor level from inside of glass glazing.
viii. Openable vent of 600 mm height to be installed below ceiling level or false ceiling level. The openable vent of min. 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 glass glazing 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 fusing link opening mechanism and shall also be integrated with automatic smoke detection system.

Or

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

19. AIR CONDITIONING SYSTEM, (If Provided);

i. The A.C. System shall be child water type in case of common A.C. plant. There shall be no objection to provide A.C. by means of package units of split units, if necessary.
ii. Escape route such as staircase, corridors, passage lift lobbies etc. shall be used as return air passages.
iii. A. .C. ducting shall be constructed of substantial metal gauge as specified under IS: 665: 1963 for Metal Air Ducts (Revised).
iv. Whenever the A.C. ducting passes through the walls, the opening from the duct shall be sealed with fire resting / non-combustible material such as vermiculite concrete.
v. A.H.U. shall be independent for each floor / occupancy / zone. In any case, one A.H.U. shall not be required to serve more than one floor / occupancy / zone.
vi. The insulating material, if provide to A.C. ducting either from inside or outside, shall be of non-combustible material such as glass wool covered with aluminum foil, spun glass with neoprene facing or any other similar material.
vii. The material used for false ceiling & its runners & suspenders shall be of non- combustible type.

20. SWIMMING POOL;

i. Swimming pool shall be fenced properly from all sides & entry shall be restricted, so as to avoid any accident as shown on the plans.
ii. Swimming pool shall be constructed of inert & enduring materials, designed to withstand all loads for both pool empty & pool full conditions conforming to the requirements as laid down in I.S.I code for this purpose.
iii. There shall be no obstruction extending from the wall or the floor extending into the clear area of the diving portion of the pool. There shall be completely unobstructed clear distance of 4 mtrs. above the diving board.
iv. Wall & floor area shall be of inert & impervious material & shall be reasonably enduring. Finish shall be moderately smooth & of a white or light color.
v. If diving is permitted, it shall have adequate area & depth of water for safe diving & the minimum depth & area characteristics as per relevant standards.
vi. Depth of water shall be plainly marked at or above the water surface on the vertical pool wall & on the edge of the deck or walk-way next to the pool, at maximum points & at the points of break between the deep & shallow portions & at intermediate increments of depth, spaced at not more than 2.5" (7.62 cm) intervals. Depth markers, contrasting with background shall be on both sides of the pool.
vii. Swimming pool shall have adequate arrangement for providing safety measures like float, lifeline, & ladder, trained rescue personal, rescue equipment against drowning.
viii. A slide handrail extending up above & returning to the horizontal surface of the pool deck curb or coping shall be provided at each side of each ladder.
ix. Swimming pool shall have adequate arrangement for first aid which includes mechanical resuscitator for initiating artificial respiration trained staff for providing emergency aid & such equipment's & medicines.
x. At least one trained life guard shall be available at the swimming pool during working hours & life guard chair shall be provided at the swimming pool from where he can view / watch the entire pool area.
xi. The finish texture of flooring surface adjacent to the pool shall be not slippery
xii. A continuous overflow gutter shall be installed all around the swimming pool.
xiii. Disposal of water from the overflow gutters may be either to waste water drain or may enter into circulation system to filter & return to the pool.
xiv. Swimming pool shall have re-circulation & filtration equipment provided for water purification.

xv. Necessary permission for Swimming Pool shall be obtained from concerned Department & M.C.G.M's Department.

21. FIRE FIGHTING REQUIREMENTS;

a) UNDER GROUND WATER STORAGE TANKS, (COMMON FOR Wing -A, B, & C & SEPARATE FOR WING -D);

An underground water storage tank of 2,50,000 liters capacity common for Wing -A, B, & C, & separate 1,00,000 liters capacity for Wing -D shall be provided for Wet riser & sprinkler system at the location marked in the plan, as per the design specified in the rules with baffle wall and fire brigade collecting breaching. The tank shall be provided in such a manner that its manholes are accessible to fire appliances & depth of the tank from manhole level shall not be more than 07.00 mtrs. The tank shall be flushed with the courtyards & the roof slab of the tank shall be reinforced suitably to bear the load of fire engines weighing up to 48 m. tones each with a point load of 10 kgs. /sq. cms.

b) OVERHEAD TERRACE WATER STORAGE TANKS;

A tanks of 30,000 liters capacity shall be provided over each staircase shaft at the terrace level of Wing -A, B & C, as well as tanks of 25,000 liters capacity each shall be provided over each staircase shaft at the terrace level of Wing -D, the layout of which shall be got approved from H. E.'s Departments prior to erection. The tank shall be connected to wet risers through a booster pump through a non-return valve gate valve.

c) WET RISER, (Separate for each wing);

Wet riser of internal dia of 15 cms. of G.I. 'C' Class pipe shall be provided with single 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 ground 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 provide to connect the mobile pump of the fire service independently 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 & Fire control rooms.

e) AUTOMATIC SPRINKLER SYSTEM, (Separate for each wing);

The Automatic sprinkler system shall be provided in each shop, each office, each show room, fitness centre, lift lobby & common corridor at each floor level of each Wing, car parking areas on ground & all the basements (so as to cover each parking) as per the standards laid down by T.A.C. or relevant I.S. specifications.

f) AUTOMATIC SMOKE DETECTION SYSTEM, (For each Wing);

The Lift machine rooms, Electric meter rooms, each shop, each show room, Fitness centers, each office on each floor of Wing -D as well as lift lobby & common corridor at each floor

level of each wing shall be protected with Automatic smoke detection system with main console panel at ground floor level.

g) FIRE PUMP, SPRINKLER PUMP JOCKEY PUMP, (COMMON FOR Wing -A, B, & C, SEPARATE FOR WING -D) & BOOSTER PUMP (Separate for Wing -A, B, C & D);

i. Wet riser shall be connected to a fire pump at basement level of 2,400 liters / min capacity giving a pressure of not less than 3.2 kgs / sq.cms. at the topmost hydrant along with jockey pump of a suitable size.
ii. Operating switches for pumps shall be also provided in glass fronted boxes in lift lobbies at ground floor.
iii. Booster pump capacity of 900 litres / min. having a pressure of not less than 3.2 kgs. / sq. cms. at the topmost hydrant outlet of the wet riser-cum-down comer shall be provided at the terrace level of each wing.
iv. A jockey pump of suitable capacity shall be provided for automatic sprinkler system.
v. Electric supply (normal) to these pumps shall be on independent circuit.
vi. Four hose boxes, each with two hoses of length 50 feet standard size & branch shall be equally distributed near wet riser landing valve in ground floor area.
vii. ON / OFF switch panel of all pumps shall be installed on ground floor level.
viii. All above pump should be surface mounted or vertical turbine type pump (Submersible type pump not permitted) with adequate size of pump room for pump panel.
ix. Wet riser should be extended up to main gate / entrance with Fire Brigade inlet.

h) EXTERNAL / COURTYARD HYDRANTS;

External / Courtyard hydrants shall be provided at distance of 30.00 mtrs each at each Basement levels as well as Ground floor within the confines of the site of the wet riser-cum-down comer at the location marked on the plan.

i) ALTERNATE SOURCE OF POWER SUPPLY, (Common for Wing -A, B, C, & D);

An alternate source of L.V. / H.C. supply from a separate sub-station as well as D.G. Set with appropriate change over switch shall be provided for fire pumps, sprinkler pump, booster pump, staircase & corridor lighting circuits, fire lifts, manual fire alarm system & P.A. system. It shall be housed in a separate cabin.

j) PORTABLE FIRE EXTINGUISHERS, (For each wing);

i. Two Dry Chemical Power (A.B.C.) type fire extinguishers of 06 Kgs. capacity having B. I.S. certification mark & two buckets filled with dry, clean sand shall be kept in each Electric Meter panel as well as in each Lift Machine Room.
ii. One dry chemical powder (class ABC) type fire extinguishers each of 06 Kgs. capacity & with BIS mark clean sand shall be kept in each office of Wing -D & Each floor of all wings.
iii. One dry chemical powder (class ABC) type fire extinguishers each of 06 Kgs. capacity & with BIS mark & two buckets of dry, clean sand shall be kept on each Refuge floor level of each wing.

k) FIRE ALARAM SYSTEM, (For each wing);

The building shall be provided with manual fire alarm system with main control panel at ground floor level & pill-boxes & hooters at each upper floor level. The layout of fire alarm system shall be in accordance with I.S. specification.

l) PUBLIC ADDRESS SYSTEM, (For each wing);

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.

m) SIGNAGES, (For each wing);

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

n) FIRE DRILLS / EVACUATION DRILLS;

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

o) TRAINED SECURITY STAFF;

i. The trained security / fire supervisor along with trained staff having basic knowledge of fire-fighting & fix fire-fighting installation shall be provided / posted in the building.
ii. Maintenance of all the first aid fire-fighting equipment's, fixed installations & other firefighting equipment / appliance in good working condition at all times.
iii. Imparting training to the occupants of the building in the use of firefighting equipment provided on the premises & kept them informed about the fire & other emergency evacuation procedures.
iv. To liaise with the City Fire Brigade on regular & continual basis.

p) Panel Board Of Firefighting System;

Fire alarm system, public address system, alternate supply, etc. panels shall be installed on ground floor at the location shown in the plans & which shall be manned 24 hrs.

22. REFUGE AREA, (For Wing A, B, C & Commercial Wing -D);

Refuge area provided on 8^{th} floors levels shall be conforming to the following requirements;

a) Manner of refuge area;

i. The refuge area shall be so located that it shall preferably face the access road of the building.
ii. The refuge area shall be provided with railing / parapet of 01.20 mtrs.
iii. The refuge area shall have a door which 'shall be painted or fixed with a sign in luminous paint mentioning **"REFUGE AREA"**
iv. The lift shall not be permitted to open into the refuge areas.
v. The refuge area provided within building line shall be accessible from common passage / staircase.

b) Use of refuge area;

i. The refuge area shall be earmarked exclusively for the use of occupants as temporary shelter & for the use of Fire Brigade Department or any other organization dealing with fire or other emergencies when occur in the building & also for exercises / drills if conducted by the Fire Brigade Department.
ii. The refuge areas shall not be allowed to be used for any other purpose & it shall be the responsibility of the owner / occupier to maintain the same clean & free of encumbrances & encroachments at all times.

c) Facilities to be provided at refuge area;

Adequate emergency lighting facility shall be provided.

d) <u>Terrace floor as a refuge floor</u>, (<u>For Wing -A, B, C & Commercial Wing -D</u>);

i. The necessary facilities such as emergency lighting, drinking water etc. shall be provided.
ii. 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".**

e) **Excess refuge area beyond 4.25 % shall be counted in FSI.**

The Party has paid Online Scrutiny fees of Rs. 19,49,430/- vide CFC Receipt No. 2820791, for the File No. CHE/ES/4273/337 (New) on the gross built-up area 36,781.65 sq. mtrs. as certified by the Licensed Surveyor.

However, E.E.B.P. (E.S.) is requested to verify the gross built-up area & inform this office if it is found to be more, for the purpose of levying additional scrutiny fee if any.

<u>Note</u>;

1. The Fire-fighting shall be carried out by approved Licensed Agency.
2. There shall not be any trees obstructing fire appliances reach in compulsory open spaces, required as per D.C.R.
3. E.E.B.P. (E.S.) requested to scrutinized the plans as per Amended D.C.P.R. 2034 & verify Civil work & all other requirements pertaining to Civil Engineering side including open spaces, corridors, staircase, amendments, height, & floor occupancy of the building.
4. The area calculation shown in the enclosed plan shall be checked by the E.E.B.P. (E.S.).
5. E.E.B.P. (E.S.) shall verify the proposal in context with Hon. M.C.'s Circulars issued u/r. no. Ch.E./32545/DP-Gen dated 24/02/2015 & u/r. no. Ch.E/34194/DP/Gen dated 10/03/2015 & verify the compliance as per the above said circulars. If the same is not complied with, this proposal shall be referred back to this department for issuing fresh recommendation letter.
6. 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.
7. Necessary permission for the Commercial activity Office / Shops / Showroom shall be obtained from concerned Department & M.C.G.M's Department.
8. 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 & examine.
9. If any matter in this case, violates from Fire Safety point of view of D.C.P.R.-2034 then this proposal shall be referred back to this Department for issuing fresh recommendation letter.
10. No any addition / alteration shall be done in the structure of the flats / building without the previous consent of all the concerned / occupier as per the provision of Section 7 of MOFA.
11. The plans approved along with this recommendation letter are approved from Fire Risk / Fire Safety point of view only. Approval of these plans does not mean in any way of allowing construction of the building. It is Architect / Licensed Surveyor / Developer's responsibility to take necessary prior approval from all concerned competent authorities for the proposed construction of the building.
12. This is issued only from Fire Protection & Fire-Fighting requirements point of view & issued on the request letter from Architect / Licensed Surveyor. Any authorized or legal matter shall be cleared by Owner / Occupier / Developer / Architect / Licensed Surveyor etc.
13. The width of abuts road, open spaces mentioned in plans as submitted by the Architect attached herewith. These parameters shall be verified by E.E.B.P. (E.S.) before granting any

permission (I.O.D. / C.C. / further C.C.) If found any contradiction, the proposal shall be referred back to this Department.

14. The Area Calculation submitted by the Architect / Licensed Surveyor in the plans shall be verified by E.E.B.P. (E.S.) & if any change then the proposal shall be referred back to this Department.

15. This N.O.C. is issued from fire risk point of view only without prejudice to legal matters pending in court of law if any.

16. Necessary permission for Swimming pool, Electric Sub-Station, D. G. Set & Fitness center shall be obtained from concern Department of M.C.C.M. / C.F.O.'s Department.

17. The Electric meter rooms provided in 1st basement which is approved by this department subject to provision of natural ventilation.

Pandurang Ganpatrao Dudhal
Digitally signed by Pandurang Ganpatrao Dudhal
Date: 2020.01.24 16:34:19 +05'30'

Prepared by D.F.O.

Yeshwant Ramchandra Jadhav
Digitally signed by Yeshwant Ramchandra Jadhav
DN: c=IN, o=Municipal Corporation of Greater Mumbai, ou=Mumbai Fire Brigade, postalCode=400001, st=MAHARASHTRA, serialNumber=05a2d89fdd472f485d7b5e858ba1f14d7670 1f0b6fb812dc401db17a00bd7b08, cn=Yeshwant Ramchandra Jadhav
Date: 2020.01.24 17:57:31 +05'30'

Approved by Dy. C.F.O.

भारतीय सर्वेक्षण (एस ओ आई) टोपोशीट पर मुख्य अवस्थानों के अक्षांश - देशांतर और 10 किलोमीटर बफर के साथ ठाणे क्रिक फ्लेमिंगो अभयारण्य के पारिस्थितिकी संवेदी जोन का मानचित्र

Date: 14th March 2020

To,
The Forest Officer,
Divisional Forest Office,
B-68, 2nd floor,
Kamgarnagar,
Kurla (E), Mumbai.

Subject : **Application for Wildlife NOC with reference to Thane creek flamingo sanctuary**

Reference: : **Application for Environmental Clearance (EC) for Proposed** Residential & Commercial development at Safed Pool, AndheriKurla Road, Village Mohili, TalukaKurla, Mumbai Suburban District, L ward, Mumbai.

Dear Sir,

This is with reference to above mentioned subject we are proposing Residential & Commercial development at Safed Pool, Andheri Kurla Road, Village Mohili, Taluka Kurla, Mumbai Suburban District, L ward, Mumbai.We have submitted Application for obtaining EnvironmentalClearance from SEIAA, Maharashtra.

We would like to bring to your notice that, our projects falls within 6.50 Km radius from the Thane Creek Flamingo Sanctuary.

Though as per draft notification it is not coming under ESZ, but still we are applying for NOC with reference to Thane creek flamingo sanctuary to the Forest Officer, Divisional Forest Office, Kamgarnagar, Kurla (E), Mumbai.

Please do the needful and oblige

Thanking you,

Yours faithfully
For LANDCARE REALTY LLP

Landcare Realty LLP Mumbai

AUTHORIZED SIGNATORY
Encl: Google image of the project site

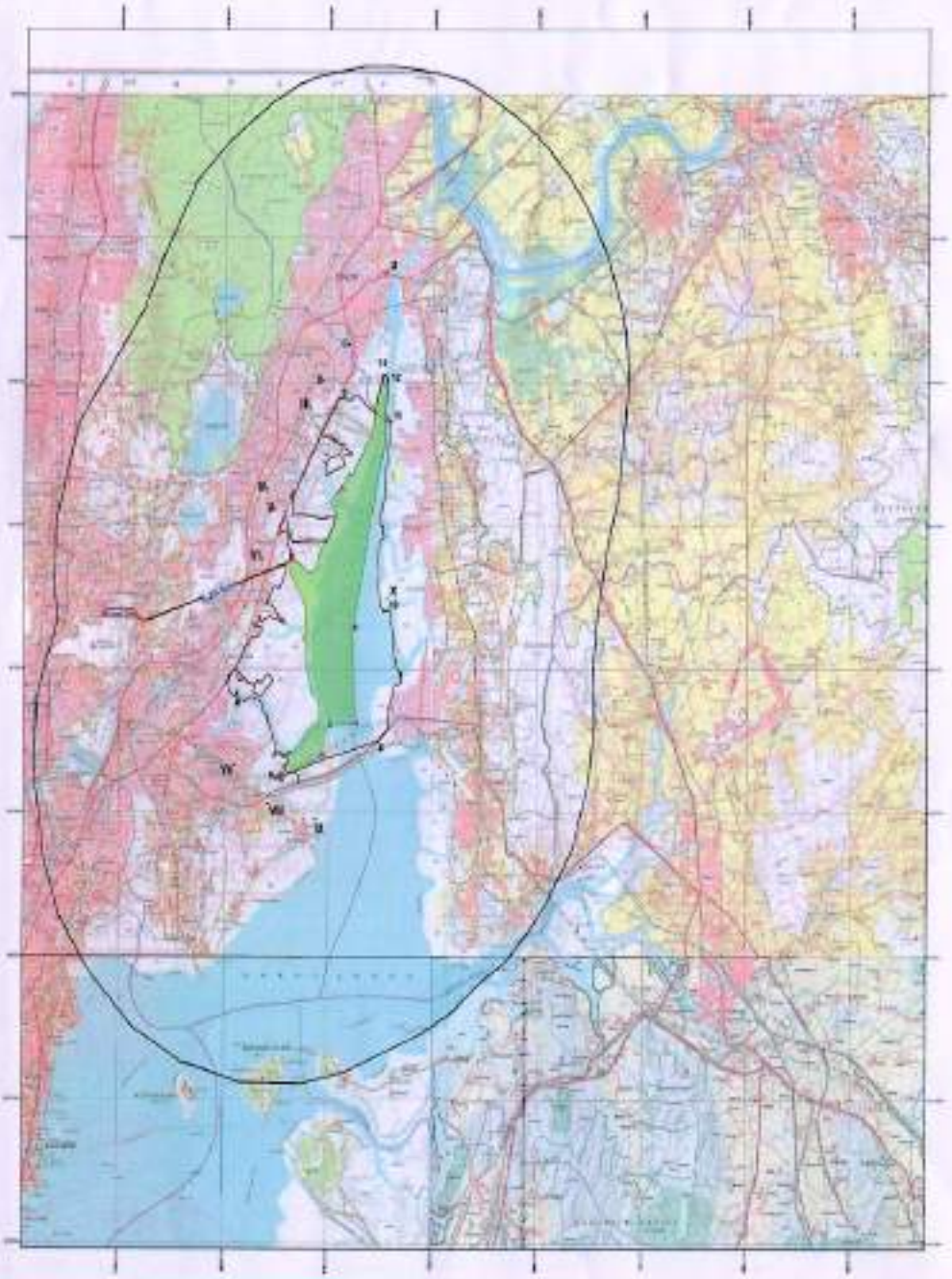
Shraddha 13/3/2020
लिपीक
विभागीय वन अधिकारी
मुं. का. सं. घ., मुंबई

LANDCARE REALTY LLP
Builders & Developers
Orbit Plaza | 6th floor | New Prabhadevi Marg | Prabhadevi | Mumbai 400 025
www.pridegroup.net | info@pridelifestyles.com | Tel. 4334 3501 | Fax. 2421 8130

Mumbai | Pune | Bangalore

N
100 m
Google Earth

भारतीय सर्वेक्षण (एस ओ आई) टोपोशीट पर मुख्य अवस्थानों के अक्षांश - देशांतर और 10 किलोमीटर बफर के साथ ठाणे क्रिक फ्लेमिंगो अभयारण्य के पारिस्थितिकी संवेदी जोन का मानचित्र



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1:50,000

MANGROVE CELL, MUMBAI
PROPOSED ECO SENSITIVE ZONE FOR THANAE CREEK FLAMINGO SANCTUARY.

LEGEND

PROTECTED AREA OF TCFS

DEEMED ESZ OF TCFS

PROPOSED ESZ OF TCFS

MUNICIPAL CORPORATION OF GREATER MUMBAI

No: Ch.E./DP/9337/Gen dt. of 21 OCT 2021

Sub :- Restrictions in development due to declaration of "Eco sensitive zone of Thane Creek Flamingo" Sanctuary

Ref :-
1. Dy.ChE/06588/BPES dt. 15.02.2021 (N/1-3)
2. MGC/A/5390 dt. 06.01.2021, 25/03/2021 & 20.07.2021 (C/1, N/9 & N/11)
3. MGC/B/2518 dt. 04.01.2021 (C/49)
4. MGR/3625 dt. 28.06.2021 (C/89)
5. AMC/ES/MC/1119 dt. 01.07.2021 (C/153)
6. कक्ष-१/२०/जमीन/६२/२०२१-२०२२ दि. ०९/०४/२०२१ (C/89)
7. Gazette Notification u/no. S.O. 4293(E) dated 14.10.2021

N/11-12. Reference is please requested to Hon.M.C.'s approval dated 20.07.2021 to mark 10.0 km buffer from the boundary of Eco-sensitive zone of Thane Creek Flamingo Sanctuary on the D.P.2034 sheet (C/ 181) & to include condition in DP 2034 remarks about Flamingo Eco-sensitive zone to be issued for the properties situated within the 10.0 km buffer from the boundary of Thane Creek Flamingo Sanctuary.

Accordingly, as per approval condition is included in the DP2034 remarks and all Building Proposals offices as well as to MMRDA, SRA & MHADA have been informed for obtaining NOC from 'राष्ट्रीय वन्यजीव मंडळ'.

C/177-333 Now, Ministry of Environment, Forest and Climate Change, Government of India vide its notification no. S.O. 4293(E) dt. 14.10.2021 has accorded sanction to draft notification published u/no. S.O. 1719(E) dtd. 08.04.2021 and notified an Eco-sensitive zone to an extent varying from 0 (zero) to 3.89 kilometers around the boundary of Thane Creek Flamingo Sanctuary.

c/287 Further, (a) the boundary description of Thane Creek Flamingo Sanctuary and its Eco-sensitive Zone is appended in Annexure-I *(Boundary description of Eco-Sensitive Zone of Thane Creek Flamingo Sanctuary in the State Maharashtra)* of said notification. (b) The maps of the Thane Creek Flamingo Sanctuary demarcating c/289 Eco-sensitive Zone along with boundary details are appended as Annexure-IIA *(Google Image of Thane Creek Flamingo Sanctuary and Its Eco-Sensitive Zone)*, as c/291 Annexure-IIB *(Map of Eco-Sensitive Zone of Thane Creek Flamingo Sanctuary along with 10 Km Buffer On Survey Of India (SOI) Toposheet)* and as Annexure-IIC *(Vegetation Type Map of Eco-Sensitive Zone of Thane Creek Flamingo Sanctuary along with Latitude and Longitude of Prominent Locations)*. (c) List of geo-coordinates of the boundary of c/297-325 Thane Creek Flamingo Sanctuary and Eco-sensitive Zone are given in Table A (GEO- COORDINATES OF PROMINENT LOCATIONS OF THANE CREEK FLAMINGO SANCTUARY) and Table B (GEO-COORDINATES OF PROMINENT LOCATIONS OF ECO-SENSITIVE ZONE) of Annexure III.

As Ministry of Environment, Forest and Climate Change, Government of India has now notified the Thane Creek Flamingo Sanctuary and its Eco-sensitive Zone, it is proposed to modify condition in DP2034 remarks from 10 km to an extent varying from 0 (zero) to 3.89 kilometers around the boundary of Thane Creek Flamingo Sanctuary.

'A'

Hon'ble M.C.'s approval requested to:

1. To mark Thane Creek Flamingo Sanctuary and Eco-sensitive Zone boundary as per sanctioned notification vide no. S.O. 4293(E) dt. 14.10.2021 on Development Plan 2034.

2. To amend the condition in DP2034 remark for the land falling within Eco-sensitive zone of Thane Creek Flamingo Sanctuary as per notification no. S.O. 4293(E) dt. 14.10.2021 as follows:

Current remark	Proposed modification
As the land u/r falls within 10.0 km buffer from the boundary of Eco-sensitive zone of Thane Creek Flamingo Sanctuary, prior permission from the National Board of Wild Life is mandatory for all the development / construction works as per the letter from Dy. Forest Conservator, Thane Forest Division vide letter dt. 09/4/2021	*As the land u/r falls within Eco-sensitive zone of Thane Creek Flamingo Sanctuary, prior permission from the Monitoring Committee as mentioned in* notification no. S.O. 4293(E) dt. 14.10.2021 *is mandatory for all the development / construction works.*

'A'

Submitted Please.

20/10/2021.
(R. G. Patgaonkar)
Dy .Ch. Eng. (DP) - II

(V P Chithore)
Chief Engineer (DP)

(I S Chahal)
Hon'ble M.C.
Sir,

In view of recent notification issued on 14.10.2021 & as per the contents of notification and in continuation with earlier report, now as per the notification & as per the report at PN 17 -N-19, Side line 'A' on pre-page & Above is Submitted for approval please. Accordingly the proposals will be processed for permission. Submitted please.

20/10/2021
Chief Engineer
(Development Plan)

बृहन्मुंबई महानगरपालिका
आयुक्तांचे कार्यालय
21 OCT 2021
समय ११/ १२, १३, १४,
१५/ १६, १७, १८,
क्रमांक MGC/A/15390

24-10-21.
Municipal Commissioner
Ch E (DP)

Corporate Environmental Responsibility

In accordance with the circular issued by Ministry of Environment, Forest and Climate Change (MoEF&CC) dated May 01, 2018 and subsequent circular of June 19, 2018 on Corporate Environment Responsibility we hereby submit out plan as below;

A. Basic Information of the Project

No.	Description	Details
1	Name of the Project	Residential & Commercial development at, Village Mohili, Taluka Kurla, District Mumbai Suburban , L ward, Mumbai - 400072
2	Location of the project	CTS No, 657, Survey No. 17
3	Project type (green/brown field)	Green field
4	Cost of the project as mentioned in CS (Rupees in Crores)	Rs. 142.34Crores
5	Any previous EC and Completion certificate of the part of the project before May 01, 2018, if yes give the details with date and reference number	--
6	Cost of the part completed project (as per details given at Sr.No.5)	--
7	Effective cost of the project for CER consideration (4-6) (Rupees in Crores)	Rs. 2.13 Crores
8	Applicable norms in terms of %of the project cost for CER and amount	1.5 % (i.eRs. 2.13 Crores)
9	Expected duration for completion of the project (Years)	5 Years
10	Implementing Agency Identified (NGO/Trust/ULB) give name and details.	Not yet identified
11	Please attached agreement with implementing agency	--

B. CER Activities Proposed: (please propose as per the suggested list given in table below)

No.	Description	Details
1	Any issues raised during the public hearing, social need assessment, R&R plan, EMP, etc.	Not Applicable
2	If Yes Please give details	Not Applicable
3	CER activities proposed to be from suggested activities as infrastructure creation for drinking water supply, sanitation, health, education, skill development, roads, cross drains, electrification including solar power, solid waste management facilities, scientific support and awareness to local farmers to increase yield of crop and fodder, rain water harvesting, soil moisture conservation works, avenue plantation, plantation in community areas, community level sewage treatment plant, solid waste (composter or Biogas plants), air quality monitoring, research activities on environmental aspects, training programmes on waste management including skill development, studies related to environmental aspects for town/city/village, pilot projects on clean energy/ environment, etc.	Activities Identified :

No.	Activity	Estimated Amount
1.	Electrification including solar power at local Municipal Garden	25 lakhs
2.	Education- at Local BMC / Private School / Scholarship	50 lakhs

		3. Rainwater harvesting: As per MCGM requirement. — 25 lakhs 4. Medical Aids: Local BMC Hospital, TATA Cancer Hospitals — 75 lakhs 5. Social Upliftment — 38 lakhs Amount proposed to be allocated : Rs. 2.13Crores
4	Consent of implementing agency (NGO etc.) and local authority to accept the CER in case of environmental infrastructure project	--
5	Year wise activity indicating the detail of plan and cost (as applicable for duration of the project) attach separate sheet with Gantt Chart which will be useful for monitoring.	
	First Year (indicate year)	Rs. 0.42 Crores
	Second Year	Rs. 0.42 Crores
	Third Year	Rs. 0.42 Crores
	Fourth Year	Rs. 0.42 Crores
	Fifth Year	Rs. 0.42 Crores

We undertake to complete the work with our CER commitment as per this plan.

For LANDCARE REALTY LLP

Authorised Signatory

Landcare Realty LLP Mumbai

Place : Mumbai
Date : 05-09-2020

approvals <approvals@pridelifestyles.com>

Contribution towards CER - Landdcare Realty LLP

approvals <approvals@pridelifestyles.com> Sat, Sep 5, 2020 at 5:16 PM
To: mc@mcgm.gov.in

Respected Sir,

As per our previous manually submitted letter to mcgm dated 09 March 2020 Please find enclosed herewith revised letter of contribution towards CER for Residential & commercial Development at Village Mohili Taluka Kurla , District Mumbai Suburban, L ward Mumbai by Landcare Realty LLP .

Thanks & Regards

Landcare Realty LLP

Revised CER letter.pdf
2918K

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

M/s. Landcare Realty LLP
601, Orbit Plaza, New Pabhadevi Road, Prabhadevi, Mumbai - 400025.

Date: 26-12-2016
Valid Upto: 25-12-2021

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/111916/182862**
Applicant Name*	**Dhanaji Gurkhe**
Site Address*	**C.T.S. No. 657, Of Village - Mohili, At Kurla Andheri Road, Kurla, Mumbai.,Kurla,Mumbai,Maharashtra**
Site Coordinates*	**72 53 02.72-19 05 51.13, 72 53 03.21-19 05 48.53, 72 53 04.64-19 05 50.48, 72 53 06.35-19 05 51.12, 72 53 06.95-19 05 49.10, 72 53 07.34-19 05 50.86,**
Site Elevation in mtrs AMSL as submitted by Applicant*	**8.39 M**
Permissible Top Elevation in mtrs Above Mean Sea Level(AMSL)	**49.59 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 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.

c. 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.

d. 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 49.59 M (Restricted) , as indicated in para 2.

राजीव गांधी भवन सफदरजंग हवाई अड्डा नई दिल्ली–110003 दूरभाष : 24632950
Rajiv Gandhi Bhawan Safdarjung Airport, New Delhi-110003 Phone: 24632950

e. Only use of oil fired or electric fired furnace is permissible, within 8 KM of the Aerodrome Reference Point.

f. The certificate is valid for a period of 5 years from the date of its issue. If the construction of structure/Chimney is not commenced within the period, a fresh 'NOC' from the Designated Officer of Airports Authority of India shall be obtained. However, if construction work has commenced, onetime revalidation request, for a period not exceeding 8 years from the date of issue of NOC in respect of building/structure and for a period not exceeding 12 years from the date of issue of NOC in respect of chimney, may be considered by AAI. The date of completion of the Structure should be intimated to this office.

g. 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

h. 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.

i. 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

j. 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.

k. This NOC has been issued w.r.t. the Civil Airports. Applicant needs to seek separate NOC from Defence, if the site lies within their jurisdiction.

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

m. 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)

Email ID: nocwrmumbai@gmail.com

Contact No: 022-26819573

General Manager (Aero), WR

राजीव गांधी भवन
Rajiv Gandhi Bhawan
सफदरजंग हवाई अड्डा नई दिल्ली–110003
Safdarjung Airport, New Delhi-110003
दूरभाष : 24632950
Phone: 24632950

0346

in replying please quote No.
and date of this letter.

Form ----------

88

MUNICIPAL CORPORATION OF GREATER MUMBAI

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

No. CHE/ES/4273/L/337(NEW) Dt 10.09.2020

MEMORANDUM

Municipal Office,
Mumbai

To,
Shri. Dhannalal P. Jain,
Partner of Landcare Realty LLP, CA to Owner
Orbit Plaza, 601, 6th Floor,
New Prabhadevi Marg,
Prabhadevi, Mumbai-400025.

With reference to your Notice 337 (New), letter No. 1687 dated. 08.10.2018 and the plans, Sections Specifications and description and further particulars and details of your buildings for Proposed Residential cum Commercial building situated on land bearing C.T.S. No. 657 of Village Mohili furnished to me under your letter, dated 19.03.2020, 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 COMPILED WITH BEFORE STARTING THE WORK.

1. That the commencement certificate under Section 44/69(1)(a) of the M.R.T.P. Act shall not be obtained before starting the proposed work.
2. That 20% premium for I to R/C conversion shall not be paid.
3. That all the conditions of I to R/C permission issued u/no. Dy.Ch.E/B.P./1622/E.S. dated 03.09.2020 shall not be complied with.
4. That the compound wall is not 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 for holding before starting the work.
5. That the low lying plot shall not be filled up to reduced level of at least 92 T.H.D. or 6" above adjoining road level whichever is higher with murum, earth, boulders, etc. and will be levelled, rolled, consolidated and sloped towards road side before starting the work.
6. That the specification for layout / D.P. /or access roads/development of setback land shall not be obtained from Executive Engineer (Road Construction) before starting the construction work and the access and setback land will not be developed accordingly including providing street lights and SWD. The completion certificate shall not be obtained from

Executive Engineer (R.C.) /Executive Engineer (SWD) E.S. before submitting building completion certificate.

7. That the licensed Structural Engineer shall not be appointed and his supervision memo as per Regulation shall not be submitted by him.
8. That the structural design and calculations for the proposed building considering seismic and wind forces as per relevant I.S. Code Nos. 1893 and 4326 etc. shall not be got carried out and accordingly, the structural work shall not be carried out under supervision of Structural Engineer.
9. That the regular/sanctioned/proposed lines, DP roads and reservations shall not be got demarcated at site through A.E. (Survey)/ E.E. (T&C) / E.E. (D.P.)/ D.I.L.R. before applying for C.C.
10. That the registered undertaking and additional copy of plan shall not be submitted for agreeing to handover the setback land free of compensation and that the setback handing over certificate shall not be obtained from Ward Officer and the ownership of the setback land shall not be transferred in the name of M.C.G.M.
11. That the Indemnity Bond, indemnifying the Corporation for damages, risks, accidents, to the occupiers and an Undertaking regarding no nuisance shall not be submitted before C.C./starting the work.
12. That the N.O.C. of Chief Fire Officer will not be obtained & the requisition, if any, shall not be complied with before occupation certificate/B.C.C.
13. That the specific NOC from Electric supply co. for substation shall not be obtained and the requisitions, if any, shall not be complied with before occupation certificate/BCC.
14. That the adequate care in planning, designing and carrying out construction shall not be taken in the proposed building to provide for the consequence of settlement of floors and plinth filling etc.
15. That adequate care shall not be taken to safeguard the trees existing on the plot while carrying out construction work and remarks from S.G. shall not be submitted.
16. That the qualified registered Site supervisor through Architect / Structural Engineer shall not be appointed before applying for C.C. & his name and license no. duly revalidated shall not be submitted.
17. That the notice under Sec. 347(1)(a) of the Mumbai Municipal Corporation Act shall not be sent for intimating the date of commencement of the work.
18. That the clearance Certificate from Assessment Department ('L' Ward) regarding up to date payment of Municipal taxes etc. shall not be submitted.
19. That the copy of Intimation of Disapproval conditions imposed by the Corporation in connection with the development at site shall not be given to the would be purchaser and also displayed at site.
20. That Janata Insurance policy shall not be submitted before asking C.C. and renewed during the construction of work and owner developer should not submit revalidated Janata Insurance Policy from time to time.
21. That the development charges as per M.R.T.P (Amendment) Act 1992 shall not be paid.
22. That the carriage entrance shall not be provided before starting the work.
23. That the undertaking in prescribed proforma agreeing to demolish the excess area if constructed beyond permissible FSI shall not be submitted.

24. That the adequate and decent temporary sanitary accommodation shall not be provided for construction workers before starting the work. The mobile toilet shall not be provided on site to keep proper sanitation as per CircularU/No.CHE/DP/27391/Gen dated 07/01/2019.
25. That the documentary evidence regarding ownership, area & boundaries of holding is not produced by way of extracts from District Inspector of Land Records, extracts from City Survey Record and Conveyance Deed etc. Separate PRC of land under reference in the name of Owner shall not be submitted.
26. That the NOC from S.W.M. Department shall not be obtained in view of order of Hon'ble Supreme Court of India dated 15/03/2018(SLP Civil NoD-23708 of 2017), for disposal of C & D waste.
27. That the Undertaking for paying additional premium due to increase in land rate as and when demanded and registered undertaking for handing over of excess parking in case full FSI is not consumed shall not be submitted.
28. That the N.O.C. from Insecticide officer shall not be obtained.
29. That the board mentioning the name of Architect / Owner shall not be displayed on site.
30. That the C.C. shall 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 not be made as and when required by insecticide officer for inspection of water tanks by providing safe and stable ladder etc, and requirement as communicated by the insecticide officer shall not be complied with.
31. That the bore well shall not be constructed in consultation with H.E.
32. That the work shall not be carried out only between 6.00 am to 10.00 pm as per circular u/no ChE/DP/7749/Gen dt 07.06.2016.
33. That the requisitions of clause 49 and 50 of DCPR- 2034 shall not be complied with and records of quality of work, verification report, etc. shall not be maintained on site till completion of the entire work.
34. That the soil investigation of site shall not be got carried out from the empanelled soil investigation consultant and accordingly the structural design of foundation and superstructure shall not be carried out.
35. That the remarks from Suptd. Of Garden shall not be obtained before commencement of work.
36. That the necessary remarks for training of nalla/ construction of S.W.D. shall not be obtained from Dy.Ch. E. (S.W.D.) City & Central cell, before plinth C.C. and compliance of said remarks shall not be submitted before granting full C.C. for the building.
37. That users in the shop shall not be as permissible in the DCPR-2034.
38. That construction area shall exceed 20000 sq.mt without obtaining NOC from MOEF.
39. That registered undertaking for agreeing to hand over excess parking in case full potential is not consumed shall not be submitted.
40. That the developer / owner shall not demolish the structure/ building proposed to be demolished by following the guidelines proposed in the IS Code 4130:1991 amended up to date in respect of demolition of building-code of safety and not under the supervision of approved structural engineer duly registered with MCGM.

41. That the status of road from A.E. (Maint) of L ward shall not be submitted.
42. That the No Objection Certificate from Hydraulic Engineer for the proposed development shall not be obtained and his requirements shall not be complied with.
43. That the remarks from Asst. Engineer, Water Works regarding location, size, capacity of the suction tank and overhead storage tank for proposed existing work shall not be submitted before starting the work and his requirements shall not be complied with.
44. That remarks from various consultants for internal services shall not be submitted.
45. That the requirement of bye law 4(c) shall not be complied with before starting the drainage work and in case Municipal sewer is laid, the drainage work shall not be carried on as per the requirement of Executive Engineer (Sewerage Project), Planning & Completion certificate from him shall not be submitted.
46. That the Owner shall not give advance possession of the land to be surrendered to MCGM. The said land free of encumbrances shall not be handed over to MCGM within 24 months from the date of approval of the building plans. The CC for BUA equivalent to 25% of Zonal FSI will not be restricted till handing over of the said land.

C: CONDITIONS TO BE COMPILED BEFORE FURTHER C.C

1. That this office shall not be intimated in prescribed proforma for checking the open spaces & building dimensions as soon as the work up to plinth is completed and plinth/stilt height shall not be got checked from this office staff.
2. All the payments as intimated by various departments of MCGM shall not be paid.
3. That set back land free of compensation and free of any encumbrance shall not be handed over to MCGM and possession receipt shall not be submitted from Assistant commissioner of the ward.
4. That in the event setback is handed over then at FCC, area equivalent to the area of Setback shall not be restricted till such area is handed over or as per circular issued from time to time.
5. That the Material testing report shall not be submitted.
6. That the yearly progress report of the work shall not be submitted by the Architect.
7. That Civil Aviation NOC shall not be submitted.
8. That the extra water & sewerage charges shall not be paid to A.E. Water works “L” ward.
9. That the remarks from competent authority regarding the Flamingo notification applicability to be obtained before proceeding work beyond 20,000Sq.Mt. shall not be submitted.

D: GENERAL CONDITIONS TO BE COMPILED BEFORE O.C

1. That some of the drains shall not be laid internally with C.I. pipes.
2. That the dust bin shall not be provided.
3. That final N.O.C. from concerned authorities / empanelled consultants for a)S.W.D. b) Parking. c)Roads. d)Sewerage. e)Water Works. f)CFO / Fire Fighting Provisions. g) Mechanical Ventilation. h)Tree authority. i) Hydraulic Engineer j) Assessment dept. shall not be submitted before occupation.

4. That 3.00 mt. wide paved pathway upto staircase shall not be provided.
5. That the surrounding open spaces, parking spaces and terrace shall not be kept open and unbuilt upon and will be levelled and developed before requesting to grant permission to occupy the building or submitting the B.C.C. whichever is earlier.
6. That the name plate/board showing Plot No., Name of the Bldg. etc. shall not be displayed at a prominent place.
7. That the parking spaces shall not be provided as per Regulation No.44. of DCPR 2034.
8. That B.C.C. will not be obtained and I.O.D. and debris deposit etc. shall not be claimed for refund within a period of 6 years from the date of its payment.
9. That the certificate to the effect that the licensed surveyor has effectively supervised the work and has carried out tests for checking leakages through sanitary blocks, termites, fixtures, joints in drainage pipes etc. and that the workmanship is found very satisfactory shall not be submitted.
10. That the certificate from Lift Inspector regarding satisfactory installation and operation of lift shall not be submitted.
11. That the adequate provision for post-mail boxes shall not be made suitable location on ground floor / stilt.
12. That the every part of the building construction and more particularly, overhead tank shall not be provided with a proper access for the staff of Insecticide Officer with a provision of temporary but safe and stable ladder etc.
13. 14. That Structural Engineer's final Stability Certificate along with upto date License copy and R.C.C. design plan shall not be submitted.
15. That the infrastructural works such as; construction of hand holes /manholes, ducts for underground cables, concealed wiring inside the flats/rooms, rooms/space for telecom installations etc. required for providing telecom services shall not be provided.
16. That the provision for rain water harvesting as per design prepared by approved Consultant in the field shall not be made to the satisfaction of Municipal Commissioner and completion certificate to that effect shall not be submitted.
17. That the Vermiculture bins for disposal of wet waste as per the design and specification of Organizations / individuals specialized in this field, as per the list furnished by Solid Waste Management Department of MCGM, shall not be provided to the satisfaction of Municipal Commissioner.
18. That terraces, sanitary blocks, nahanis in kitchen shall not be made Water proof and same shall not be provided by method of pounding and all sanitary connections shall not be leak proof and smoke test shall not be done in presence of licensed plumber.
19. That Site Supervisor certificate for quality of work and completion of the work shall not be submitted in prescribed format.
20. That carriage entrance shall not be provided as per design of registered structural engineer and carriage entrance fee shall not be paid.
21. That terraces shall not be made Water proof and same shall not be provided by method of pounding and all sanitary connections shall not be leak proof and smoke test shall not be done in presence of licensed plumber.

22. That water available from rain water harvesting shall not be used for toilet flushing.
23. That the top most elevation of the building is not certified by AAI of India /GVK mentioning that the same is within the permissible limits of Civil Aviation N.O.C.
24. That the capacity of overhead tank shall not be provided as per 'P' form issued by department of Hydraulic Engineer and structural design to that effect submitted.
25. That the dry and wet garbage shall not be separated and the wet garbage generated in the building shall not be treated separately on the same plot by the residents/ occupants of the building in the jurisdiction of M.C.G.M. The necessary condition in Sale Agreement to that effect shall not be incorporated by the Developer/ Owner.
26. That compliance of NOC from Labour Commissioner shall not be submitted.
27. That the PRC of setback land / amenity in MCGM's name shall not be submitted

( ) 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 day of 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. ([!Town Hall]) 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 leavy 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.

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 at least 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 an 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 asphalting 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 proceeds 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 f 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 with drawn.
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. 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 exceeding1.5 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.

SHINDE SACHIN BALAKRISHNA

Digitally signed by SHINDE SACHIN BALAKRISHNA
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YATISH SHIRISH RANDERIA

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Patil Deelip Parasharam

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SE(BP)L-W

AE(BP)L&N

Executive Engineer, Building Proposal (Eastern Zone)-I.

Copy To :-

1. Shri. Shashikant Jadhav of M/s. Speacage Consultants
106, Natraj Building, Mulund Goregaon Link Road,
Mulund (W), Mumbai-400080.
2. Asst. Commissioner L Ward.
3. A.E.W.W. L Ward,
4. Dy.A& C. Eastern Suburb
5. Designated Officer/Ex. Engg. 'L' Ward ,
6.The Collector of MSD.

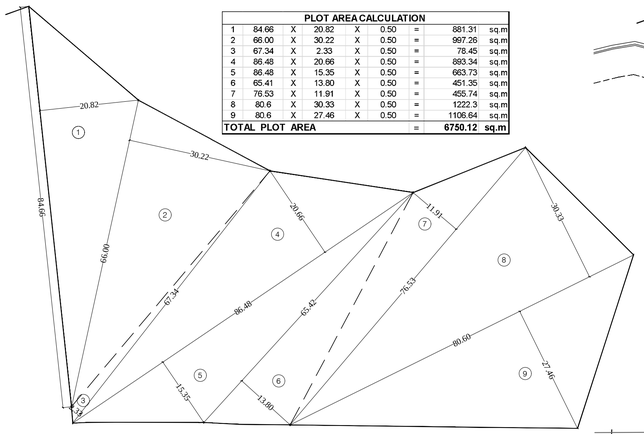
RESL SALE PARKING AREA STATEMENT (WING = A TO C)				
FLOOR	PARK REQUIRED		NO.OF FLATS	PERMI.PARK
BELOW 45.00 SQ.MT	1 FOR 4 FLATS		0	0.00
45.00 TO 60.00 SQ.MT	1 FOR 2 FLATS		38	19.00
60.00 TO 90.00SQ.MT	1 FOR 1 FLATS		32	32.00
ABOVE 90.00 SQ.MT	2 FOR 1 FLATS		0	0.00
TOTAL			70	51.00
25% FOR VISITORS PARKING			12.75	
REQUIRED PARKINKG FOR RESL (A)		=	64	
REQUIRED PARKINKG FOR COMM. (B)		=	51	
TOTAL PARKING REQUIRED [C] (A+B)		=	115	
TOTAL PARKING PROPOSED	=	304		
TWO WHEELER PARKING PROPOSED	=	26		

TOTAL PARKING

FLOOR	BIG CARS	SMALL CARS	TOTAL PARKING	TRANSPORT VEHICLE	TWO WHEELER PARKING
2ND FLOOR	13	10	23		0
1ST FLOOR	11	8	19		0
GROUND	16	6	22	5	0
1ST BASEMENT	80	45	125		15
2nd BASEMENT	53	20	73		11
3rd BASEMENT	24	18	42		0
TOTAL	197	107	304	5	26

RG. AREA CALCULATION(GROUND FLR.)

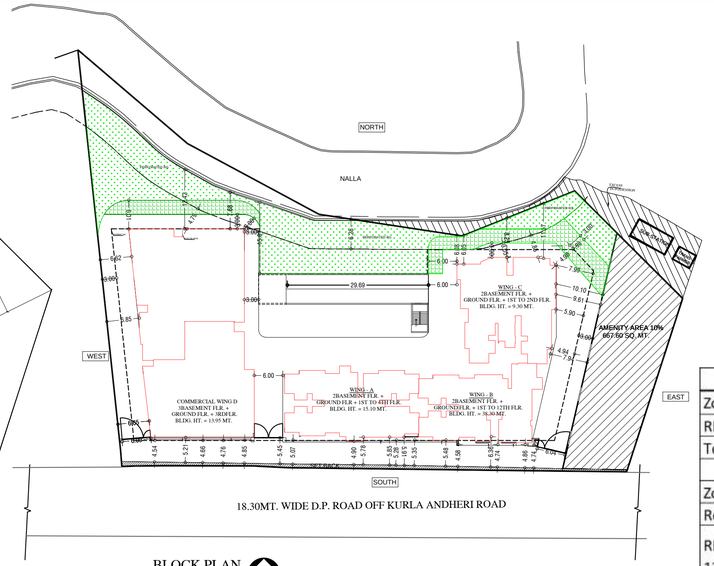
ADDITION (A)								
1	22.63	X	1.66	X	0.50	=	18.78	sq.m
"	18.79	X	1.46	X	0.50	=	13.72	sq.m
"	17.23	X	1.40	X	0.50	=	12.06	sq.m
"	15.93	X	1.54	X	0.50	=	12.27	sq.m
"	14.62	X	1.74	X	0.50	=	12.72	sq.m
"	13.38	X	2.71	X	0.50	=	18.13	sq.m
"	12.07	X	2.13	X	0.50	=	12.85	sq.m
"	11.58	X	2.45	X	0.50	=	14.16	sq.m
"	6.55	X	1.20	X	0.50	=	3.93	sq.m
"	6.10	X	1.55	X	0.50	=	4.73	sq.m
"	6.35	X	1.61	X	0.50	=	5.11	sq.m
"	6.35	X	1.17	X	0.50	=	3.71	sq.m
"	11.25	X	2.75	X	0.50	=	15.47	sq.m
2	10.30	X	3.60	X	0.50	=	18.54	sq.m
"	10.30	X	4.49	X	0.50	=	23.12	sq.m
"	7.51	X	5.07	X	0.50	=	19.04	sq.m
"	7.51	X	3.75	X	0.50	=	14.08	sq.m
"	5.62	X	1.87	X	0.50	=	5.25	sq.m
"	6.78	X	1.81	X	0.50	=	6.14	sq.m
"	9.80	X	5.22	X	0.50	=	25.58	sq.m
"	10.95	X	5.17	X	0.50	=	28.31	sq.m
"	14.89	X	5.12	X	0.50	=	38.12	sq.m
"	10.72	X	1.35	X	0.50	=	7.24	sq.m
"	8.33	X	2.11	X	0.50	=	8.79	sq.m
"	5.97	X	2.65	X	0.50	=	7.91	sq.m
3	14.19	X	3.91	X	0.50	=	27.74	sq.m
"	14.85	X	1.33	X	0.50	=	9.88	sq.m
"	14.85	X	4.00	X	0.50	=	29.7	sq.m
4	6.02	X	2.73	X	0.50	=	8.22	sq.m
"	6.02	X	2.73	X	0.50	=	8.22	sq.m
5	1.98	X	1.69	X	0.50	=	1.67	sq.m
"	6.46	X	1.89	X	0.50	=	6.10	sq.m
"	6.46	X	2.06	X	0.50	=	6.65	sq.m
"	2.17	X	1.57	X	0.50	=	1.70	sq.m
6	7.67	X	4.52	X	0.50	=	17.33	sq.m
"	7.12	X	2.80	X	0.50	=	9.97	sq.m
"	10.57	X	2.94	X	0.50	=	15.54	sq.m
"	10.57	X	2.17	X	0.50	=	11.47	sq.m
7	7.43	X	6.02	X	0.50	=	22.36	sq.m
"	6.70	X	4.01	X	0.50	=	13.43	sq.m
"	6.82	X	1.64	X	0.50	=	5.59	sq.m
"	8.61	X	1.68	X	0.50	=	7.23	sq.m
"	8.61	X	1.64	X	0.50	=	7.06	sq.m
"	7.27	X	1.11	X	0.50	=	4.03	sq.m
"	6.62	X	1.45	X	0.50	=	4.8	sq.m
"	6.12	X	1.67	X	0.50	=	5.11	sq.m
"	7.01	X	3.37	X	0.50	=	11.81	sq.m
"	7.01	X	2.18	X	0.50	=	7.64	sq.m
"	7.03	X	2.45	X	0.50	=	8.61	sq.m
"	7.03	X	6.67	X	0.50	=	23.45	sq.m
"	8.90	X	2.18	X	0.50	=	9.7	sq.m
"	11.64	X	2.90	X	0.50	=	16.88	sq.m
"	16.45	X	3.00	X	0.50	=	24.68	sq.m
"	6.00	X	0.81	X	2 / 3	=	3.24	sq.m
8	13.10	X	6.12	X	0.50	=	40.09	sq.m
"	9.03	X	1.78	X	0.50	=	8.04	sq.m
"	7.26	X	3.45	X	0.50	=	12.52	sq.m
"	5.28	X	4.01	X	0.50	=	10.59	sq.m
"	8.17	X	3.67	X	0.50	=	14.99	sq.m
"	5.69	X	0.51	X	0.50	=	1.45	sq.m
"	10.28	X	5.79	X	0.50	=	29.76	sq.m
"	7.30	X	4.53	X	0.50	=	16.53	sq.m
"	6.07	X	1.95	X	0.50	=	5.92	sq.m
"	6.98	X	1.97	X	0.50	=	6.88	sq.m
9	9.37	X	5.95	X	0.50	=	27.88	sq.m
"	10.95	X	5.87	X	0.50	=	32.16	sq.m
"	10.05	X	1.69	X	0.50	=	8.49	sq.m
"	13.00	X	1.59	X	0.50	=	10.34	sq.m
"	13.00	X	3.64	X	0.50	=	23.66	sq.m
10	10.82	X	4.37	X	0.50	=	23.64	sq.m
"	10.82	X	0.80	X	0.50	=	4.33	sq.m
"	9.92	X	2.74	X	0.50	=	13.59	sq.m
"	5.10	X	1.72	X	0.50	=	4.39	sq.m
"	6.39	X	0.55	X	0.50	=	1.76	sq.m
"	12.72	X	3.59	X	0.50	=	22.83	sq.m
11	13.40	X	6.10	X	0.50	=	40.87	sq.m
12	9.93	X	5.22	X	0.50	=	25.92	sq.m
"	12.72	X	4.46	X	0.50	=	28.37	sq.m
"	6.04	X	2.02	X	0.50	=	6.1	sq.m
"	3.27	X	1.29	X	0.50	=	2.11	sq.m
"	6.57	X	1.32	X	0.50	=	4.34	sq.m
"	6.82	X	2.52	X	0.50	=	8.59	sq.m
"	6.82	X	2.69	X	0.50	=	9.17	sq.m
13	6.85	X	2.70	X	0.50	=	9.25	sq.m
"	7.74	X	3.00	X	0.50	=	11.61	sq.m
"	6.44	X	3.00	X	0.50	=	9.66	sq.m
"	5.70	X	1.41	X	0.50	=	4.02	sq.m
TOTAL						=	1159.42	sq.m
DEDUCTION (B)								
a	4.23	X	0.23	X	2 / 3	=	0.65	sq.m
b	6.00	X	0.81	X	2 / 3	=	3.24	sq.m
c	4.41	X	0.80	X	2 / 3	=	2.35	sq.m
d	2.47	X	0.07	X	2 / 3	=	0.12	sq.m
TOTAL						=	6.36	sq.m
TOTAL (A - B)						=	1153.06	sq.m



PLOT AREA CALCULATION

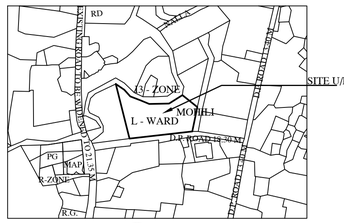
SCALE 1:500

PLOT AREA CALCULATION								
1	84.66	X	20.82	X	0.50	=	881.31	sq.m
2	66.00	X	30.22	X	0.50	=	997.26	sq.m
3	67.34	X	2.33	X	0.50	=	78.45	sq.m
4	86.48	X	20.66	X	0.50	=	893.34	sq.m
5	86.48	X	15.35	X	0.50	=	663.73	sq.m
6	65.41	X	13.80	X	0.50	=	451.35	sq.m
7	76.53	X	11.91	X	0.50	=	455.74	sq.m
8	80.6	X	30.33	X	0.50	=	1222.3	sq.m
9	80.6	X	27.46	X	0.50	=	1108.64	sq.m
TOTAL PLOT AREA						=	6750.12	sq.m



BLOCK PLAN

SCALE 1:500

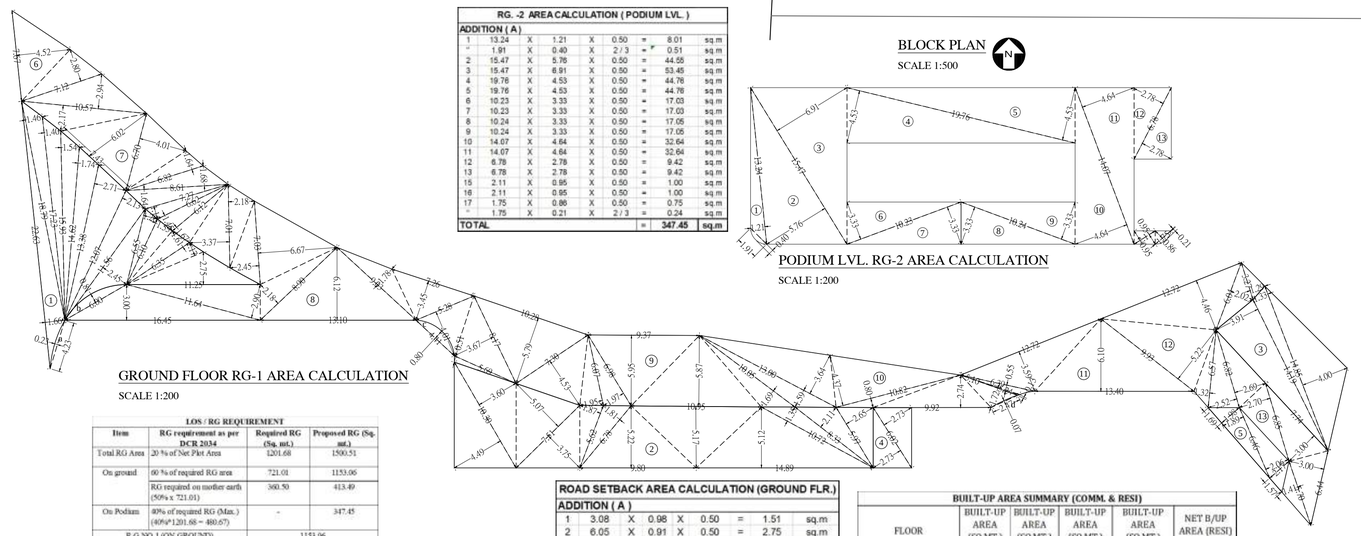


LOCATION PLAN

SCALE - 1:4000

Total Commercial BUA		
Zonal Basic FSI		6,008.38
REQ. Commercial BUA	20%	1201.68
Total proposed		1,784.34
REQUIRED 20% BUA OF Flat Having Carpet < 50 sqm		
Zonal Basic FSI		6,008.38
Reqd BUA	20%	1201.68
REQUIRED CARPET AREA = 1201.68/1.2		1001.40
TOTAL PROPOSED CARPET AREA		1121.90

FITNESS CENTRE AREA STATEMENT			
TOTAL PROPOSED BUILT AREA (A)	=	5643.51	SQ.MT.
PERMISSIBLE FITNESS CENTRE FOR 2 % AREA	=	112.87	SQ.MT.
PROPOSED FITNESS CENTRE AREA (WING C)	=	225.63	SQ.MT.
TOTAL PROPOSED FITNESS CENTRE AREA	=	225.63	SQ.MT.
FITNESS CENTRE COUNTED IN FSI	=	112.74	SQ.MT.



GROUND FLOOR RG-1 AREA CALCULATION

SCALE 1:200

PODIUM LVL. RG-2 AREA CALCULATION

SCALE 1:200

RG. -2 AREA CALCULATION (PODIUM LVL.)								
ADDITION (A)								
1	13.24	X	1.21	X	0.50	=	8.01	sq.m
"	1.91	X	0.40	X	2 / 3	=	0.51	sq.m
2	15.47	X	5.76	X	0.50	=	44.55	sq.m
3	15.47	X	6.91	X	0.50	=	53.45	sq.m
4	19.76	X	4.53	X	0.50	=	44.76	sq.m
5	19.76	X	4.53	X	0.50	=	44.76	sq.m
6	10.23	X	3.33	X	0.50	=	17.03	sq.m
7	10.23	X	3.33	X	0.50	=	17.03	sq.m
8	10.24	X	3.33	X	0.50	=	17.05	sq.m
9	10.24	X	3.33	X	0.50	=	17.05	sq.m
10	14.07	X	4.64	X	0.50	=	32.64	sq.m
11	14.07	X	4.64	X	0.50	=	32.64	sq.m
12	6.78	X	2.78	X	0.50	=	9.42	sq.m
13	6.78	X	2.78	X	0.50	=	9.42	sq.m
15	2.11	X	0.95	X	0.50	=	1.00	sq.m
16	2.11	X	0.95	X	0.50	=	1.00	sq.m
17	1.75	X	0.86	X	0.50	=	0.75	sq.m
"	1.75	X	0.21	X	2 / 3	=	0.24	sq.m
TOTAL						=	347.45	sq.m

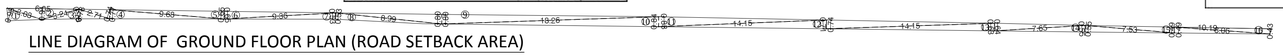
LOS / RG REQUIREMENT			
Item	RG requirement as per DCR 2034	Required RG (Sq. mt.)	Proposed RG (Sq. mt.)
Total RG Area	20 % of Net Plot Area	1201.68	1500.51
On ground	60 % of required RG area	721.01	1153.06
	RG required on mother earth (50% i.e. 721.01)	360.50	413.49
On Podium	40% of required RG (Min.) (40%*1201.68 = 480.67)	-	347.45
R.G.NO.1 (ON GROUND)		1153.06	
R.G.NO.2 (ON PODIUM)		347.45	

LINE DIAGRAM OF GROUND FLOOR PLAN (AMENITY AREA)

SCALE :- 1:500

AMENITY AREA CALCULATION (GROUND FLR.)								
ADDITION (A)								
1	43.84	X	11.20	X	0.50	=	245.57	sq.m
2	50.97	X	16.56	X	0.50	=	422.03	sq.m
TOTAL						=	667.60	sq.m

ROAD SETBACK AREA CALCULATION (GROUND FLR.)								
ADDITION (A)								
1	3.08	X	0.98	X	0.50	=	1.51	sq.m
2	6.05	X	0.91	X	0.50	=	2.75	sq.m
3	3.24	X	0.78	X	0.50	=	1.26	sq.m
"	2.71	X	0.78	X	0.50	=	1.06	sq.m
"	2.71	X	0.74	X	0.50	=	1.00	sq.m
4	9.68	X	0.77	X	0.50	=	3.73	sq.m
5	9.68	X	0.65	X	0.50	=	3.15	sq.m
6	9.36	X	0.65	X	0.50	=	3.04	sq.m
7	9.36	X	0.53	X	0.50	=	2.48	sq.m
8	8.99	X	0.53	X	0.50	=	2.38	sq.m
9	8.99	X	0.80	X	0.50	=	3.60	sq.m
10	18.26	X	0.80	X	0.50	=	7.30	sq.m
11	18.26	X	0.84	X	0.50	=	7.67	sq.m
12	14.15	X	0.83	X	0.50	=	5.87	sq.m
13	14.15	X	0.71	X	0.50	=	5.02	sq.m
"	14.15	X	0.74	X	0.50	=	5.24	sq.m
"	14.15	X	0.63	X	0.50	=	4.46	sq.m
14	7.65	X	0.64	X	0.50	=	2.45	sq.m
"	7.65	X	0.55	X	0.50	=	2.10	sq.m
15	7.53	X	0.55	X	0.50	=	2.07	sq.m
"	7.53	X	0.49	X	0.50	=	1.84	sq.m
"	8.06	X	0.49	X	0.50	=	1.97	sq.m
16	10.19	X	0.43	X	0.50	=	2.19	sq.m
TOTAL						=	74.14	sq.m



LINE DIAGRAM OF GROUND FLOOR PLAN (ROAD SETBACK AREA)

SCALE :- 1:200

BUILT-UP AREA SUMMARY (COMM. & RESI)					
FLOOR	BUILT-UP AREA (SQ.MT.) (COMM.)	BUILT-UP AREA (SQ.MT.) (WING A)	BUILT-UP AREA (SQ.MT.) (WING B)	BUILT-UP AREA (SQ.MT.) (WING C)	NET B/UP AREA (RESI) (SQ.MT.)
3rd BASEMENT FLR.			0.00		0.00
2nd BASEMENT FLR.			0.00		0.00
1st BASEMENT FLR.			0.00		0.00
Ground FLR, Retail & Shop	458.58		302.28		760.86
Ground FLOOR				112.74	112.74
1st FLOOR	0.00	336.85	305.05	364.04	1005.94
2nd FLOOR	0.00	336.85	305.05	210.70	852.60
3rd FLOOR	1023.98	336.85	305.05		1665.88
4th FLOOR		336.85	305.05		641.90
5th FLOOR			305.05		305.05
6th FLOOR			305.05		305.05
7th FLOOR			305.05		305.05
8th FLOOR			253.08		253.08
9th FLOOR			305.05		305.05
10th FLOOR			305.05		305.05
11th FLOOR			305.05		305.05
12th FLOOR			305.05		305.05
TOTAL	1482.56	1347.40	3608.63	574.74	7428.35

PARKING REQUIREMENTS (SHOP)				
	BUILT UP AREA (IN SQ.MT.)	PARKING REQ.	PARKING REQ.	PARKING PROPOSED
TOTAL BUILT UP AREA	760.86			
PARKING REQ. UPTO FIRST 800.00 SQ.MT	800.00	1 PARKING PER 40.00 SQ.MT.	19.02	
PARKING REQ FOR REMAINING AREA	0.00	1 PARKING PER 80.00 SQ.MT.	0.00	
		TOTAL	19.02	
		10% VISITERS PARKING REQ.	1.90	
		TOTAL PARKING REQUIRED	21.00	0.00

PARKING REQUIREMENTS (OFFICE)				
	BUILT UP AREA (IN SQ.MT.)	PARKING REQ.	PARKING REQ.	PARKING PROPOSED
TOTAL BUILT UP AREA	1023.98			
PARKING REQ. UPTO FIRST1500.00 SQ.MT	1500.00	1 PARKING PER 37.50 SQ.MT.	27.31	
PARKING REQ FOR REMAINING AREA	0.00	1 PARKING PER 75.00 SQ.MT.	0.00	
		TOTAL	27.31	
		10% VISITERS PARKING REQ.	2.73	
		TOTAL PARKING REQUIRED	30.00	0.00
TOTAL PARKING REQUIRED (B)			51.00	0.00

PARKING REQUIREMENTS FOR TRANSPORT VEHICLES				
TOTAL BUILT UP AREA	9189.75			
PARKING REQ. UPTO FIRST 400 SQ.MT	400.00	1 PARKING PER 400.00 SQ.MT.	0.00	
PARKING REQ FOR REMAINING AREA	8789.75	1 PARKING PER 2000.00 SQ.MT.	4.39	
		REQ. PARKING	5.00	5.00

PROFORMA -A 01/10

PROFORMA - A (As per DCPR 2034)

				Sq.Mt.
1	Gross plot area (As Per Survey)			6,750.12
	a	Area of reservation		-
	b	Area of Road setback		74.14
	c	Area of DP road		-
2	Deductions for			6,675.98
	A	For Reservation road area		-
		a Setback area as per DCR 38		-
		b DP road area as per DCR 38		-
		c Reservation area as per DCR 37		-
		Total of 2A		-
	B	for Amenity area		-
		a Area of amenity as per DCR 34(A)		-
		b Area of 10% amenity	10%	667.60
		c Area of amenity as per DCR 35		-
		d Area of amenity as per DCR 35		-
		Total of 2B		667.60
	C	Deduction for existing BUA to be retained		-
		a Land component of the same		-
		Total of 2C		-
3	Total Deductions [Total of 2A+2B+2C]			667.60
4	Balance area of plot [1-3]			6,008.38
7	Zonal Basic FSI		1.00	6,008.38
8	Additional Premium FSI		0.50	-
9	Permissible TDR		0.90	-
10	Add: FSI for Road setback handed over (74.14 X 2)			148.28
10a	Add: FSI for amenity handed over (667.60 X 2)			1,335.20
10	Permissible BUA (7+8+9+10+10a)			7491.86
11	Proposed RESIDENTIAL BUA			5,643.51
12	Proposed COMM. BUA			1,784.84
	a	i Permissible fungible BUA without premium		-
		ii Availed fungible BUA without premium		-
	b	i Permissible fungible BUA with premium RESI.	35%	-
		ii Proposed fungible BUA with premium COMM.	35%	-
14	Total Gross BUA Proposed 12 + 13(b)(ii)]			7,428.35
C	TENEMENT STATEMENT			
1	PROPOSED AREA			7,428.35
2	DEDUCT NON-RESI.AREA			-
3	AREA AVAILABLE FOR TENEMENTS			
4	TENEMENT PERM. (450/HECTARE)			334
5	TENEMENTS PROPOSED			70
6	TENEMENTS EXISTING			-
7	TOTAL TENEMENT			-
D	TENEMENT STATEMENT			
1	PARK REQD. BY RULE			115
2	COVERED GARAGES PERMISSIBLE			
3	COVERED GARAGES PROPOSED			
4	TOTAL PARK. PROVIDED			304
E	TRANSPORT VEHICLES PARKING			5

PROFORMA -B

CONTENTS OF SHEET

BLOCK PLAN, LOCATION PLAN, PARKING STATEMENT, R.G. AREA STATEMENT, BUILT-UP AREA SUMMARY.

CERTIFICATE OF AREA

CERTIFIED THAT THE PLOT UNDER REFERENCE IS GOT SURVEYED THROUGH SURVEYING AGENCY TO ASCERTAIN THE CORRECTNESS OF THE AREA MENTIONED IN THE PROPERTY CARD THE SAID SURVEY HAS BEEN CARRIED OUT ON THE BASIS OF THE BOUNDARIES OF THE PROPERTY SHOWN BY THE OWNERS.THE SAID AREA AS PER SURVEYNOW WORKS OUT TO 6750.12 SQ.MTS.

SIGNATURE OF LICENSED SURVEYOR (L.S.)

STAMP AND DATE OF APPROVAL OF PLAN

APPROVED SUBJECT TO THE CONDITION MENTIONED IN THIS OFFICE LETTER NO. CHE/ES/4273/L/337(NEW)

SHINDE SACHIN BALAK RISHNA	YATISH SHIRISH RANDERIA	Patil Deelip Parash aram
S.E.(B.P.)L/W	A.E.(B.P.)L&N	E.E.(B.P.)ES-I

DESCRIPTION OF PROPOSAL & PROPERTY

PROPOSED DEVELOPMENT ON LAND BEARING C.T.S.NO. 657 OF VILLAGE MOHILI OF TALUKA KURLA (W), IN 'L' WARD, MUMBAI.

NORTH	JOB. NO.	DRG. NO.	DRAWN BY
		01/10	
	SCALE	DATE	CHECKED BY
	1:100		
REVISIONS	DESCRIPTION :		
R-0			

NAME AND ADDRESS OF DESIGN ARCHITECT

MANDVIWALA QUTUB& ASSOCIATES. 9/10 ,TURF ESTATE, SHAKTI MILL COMPOUND LANE, MAHALAXMI (w), MUMBAI - 11

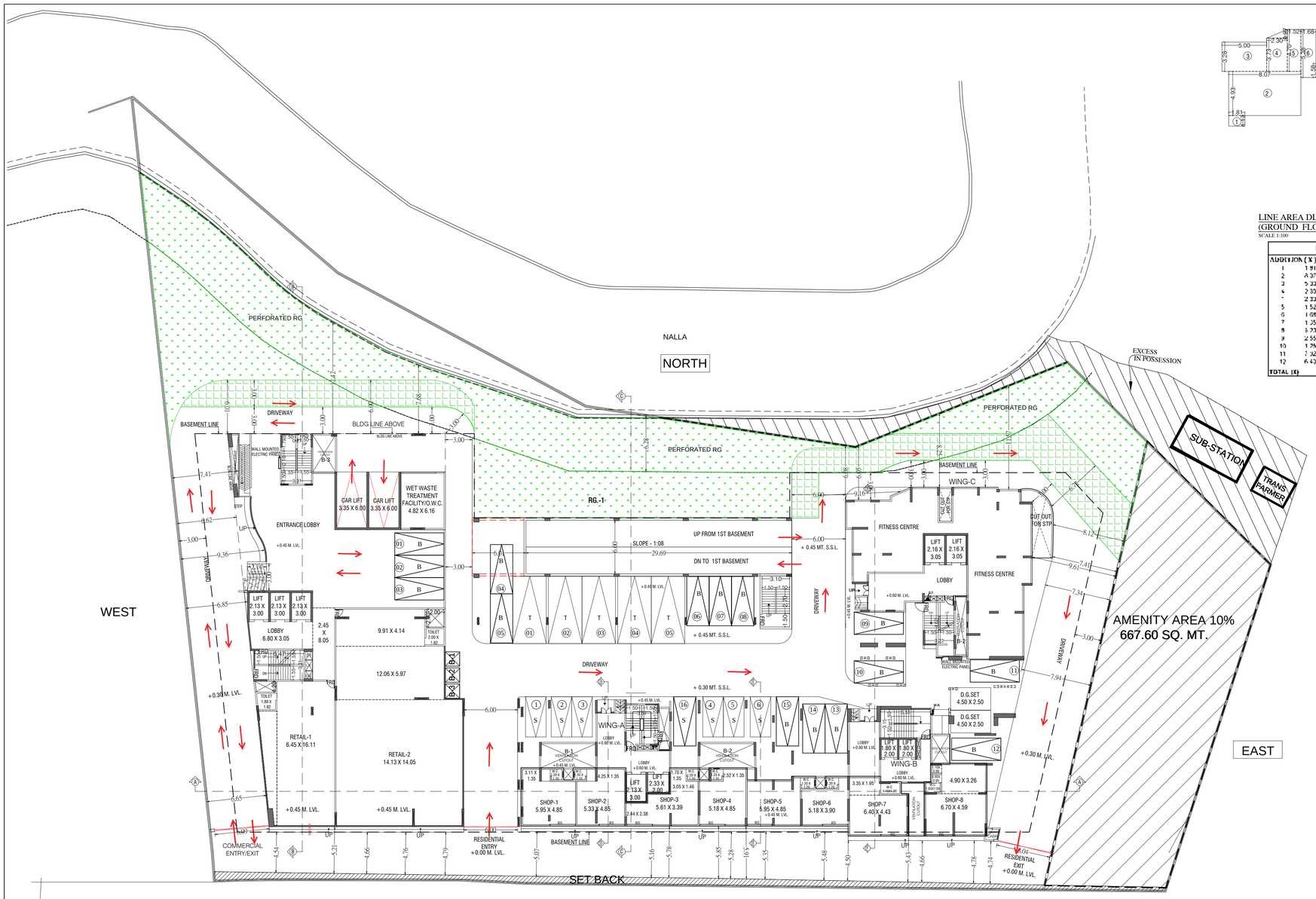
NAME OF THE OWNER	SIGNATURE
LANDCARE REALTY LLP Orbit Plaza, 601, 6th Floor, New Prabhadevi Marg Prabhadevi Mumbai 400 025.	DHANNAL AL P JAIN Digitally signed by DHANNAL P JAIN Date: 2020.09.09 17:52:42 +05'30'

NAME ADDRESS AND SIGNATURE OF LICENSED SURVEYER | SIGNATURE

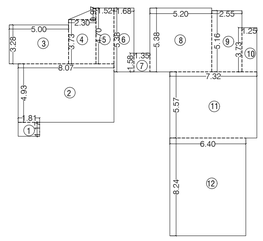
SPACEAGE SURVEYORS CONSULTANTS

B-106, Natraj Building, Mulund Goregaon Link Road Mulund (w), Mumbai : 4000 80

Shashikant Laxman Jadhav



18.30MT. WIDE D.P. ROAD OFF KURLA ANDHERI ROAD



LINE AREA DIA. FOR AMENITY AREA (GROUND FLOOR)
SCALE 1:100

FITNESS CENTRE GROUND FLOOR

ADDITION (X)								
1	1.91	X	1.17	X	1.00	=	2.23	SQ.MT.
2	4.37	X	4.93	X	1.00	=	19.79	SQ.MT.
3	5.33	X	3.28	X	1.00	=	17.48	SQ.MT.
4	2.30	X	3.77	X	1.00	=	8.68	SQ.MT.
"	2.33	X	0.94	X	0.50	=	1.10	SQ.MT.
5	1.52	X	4.76	X	1.00	=	7.24	SQ.MT.
6	1.68	X	5.58	X	1.00	=	9.54	SQ.MT.
7	1.35	X	1.58	X	1.00	=	2.13	SQ.MT.
8	5.73	X	5.56	X	1.00	=	31.86	SQ.MT.
9	2.55	X	5.16	X	1.00	=	13.16	SQ.MT.
10	1.75	X	3.73	X	1.00	=	6.68	SQ.MT.
11	7.32	X	5.57	X	1.00	=	40.77	SQ.MT.
12	6.40	X	8.24	X	1.00	=	52.76	SQ.MT.
TOTAL (X)							225.63	SQ.M.

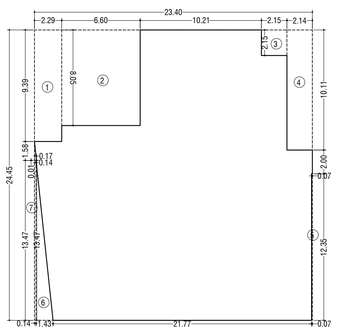
FITNESS CENTRE AREA STATEMENT			
TOTAL PROPOSED BUILT AREA (A)	=	5645.51	SQ.MT.
PERMISSIBLE FITNESS CENTRE FOR 2 % AREA	=	112.87	SQ.MT.
PROPOSED FITNESS CENTRE AREA (WING C)	=	225.63	SQ.MT.
TOTAL PROPOSED FITNESS CENTRE AREA	=	225.63	SQ.MT.
FITNESS CENTRE COUNTED IN FSI	=	112.74	SQ.MT.

GROUND FLOOR PLAN
SCALE :- 1:100

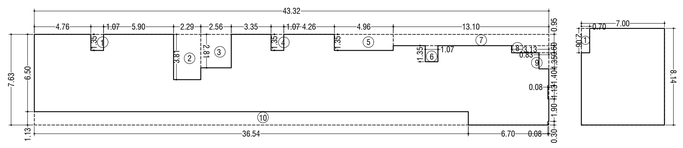
GROUND FLOOR	
BIG CAR	35
SMALL CAR	6
TRANSPORT VEHICLE	5

BUILT UP AREA CALCULATION OF GROUND FLOOR (SHOP AREA)

ADDITION (X)								
A	23.40	X	24.45	X	1.00	X 1	=	572.13 SQ.MT
TOTAL							=	572.13 SQ.MT
STANDARD DEDUCTION (Y1)								
1	2.29	X	9.39	X	1.00	X 1	=	21.50 SQ.MT
2	6.60	X	8.05	X	1.00	X 1	=	53.13 SQ.MT
3	2.13	X	2.15	X	1.00	X 1	=	4.62 SQ.MT
4	2.14	X	10.11	X	1.00	X 1	=	21.64 SQ.MT
5	0.07	X	12.35	X	1.00	X 1	=	0.86 SQ.MT
6	1.43	X	13.55	X	0.50	X 1	=	9.69 SQ.MT
7	0.14	X	13.47	X	1.00	X 1	=	1.89 SQ.MT
"	0.01	X	(0.14 + 0.17)	X	0.50	X 1	=	0.09 SQ.MT
"	0.17	X	1.58	X	0.50	X 1	=	0.13 SQ.MT
			TOTAL				=	113.55 SQ.MT
TOTAL BUILT-UP AREA (Y2) (X-Y1)							=	458.58 SQ.MT



LINE DIAGRAM OF GROUND FLOOR PLAN (RETAIL AREA)
SCALE :- 1:200



LINE DIAGRAM OF GROUND FLOOR PLAN (SHOP AREA)
SCALE :- 1:200

BUILT UP AREA CALCULATION OF GROUND FLOOR SHOP AREA

ADDITION (X)								
A	43.32	X	7.63	X	1.00	X 1	=	330.53 SQ.MT
TOTAL							=	330.53 SQ.MT
STANDARD DEDUCTION (Y1)								
1	1.07	X	1.35	X	1.00	X 1	=	1.44 SQ.MT
2	2.29	X	3.81	X	1.00	X 1	=	8.72 SQ.MT
3	2.56	X	2.81	X	1.00	X 1	=	7.19 SQ.MT
4	1.07	X	1.35	X	1.00	X 1	=	1.44 SQ.MT
5	4.96	X	1.35	X	1.00	X 1	=	6.70 SQ.MT
6	1.07	X	1.35	X	1.00	X 1	=	1.44 SQ.MT
7	13.10	X	0.95	X	1.00	X 1	=	12.45 SQ.MT
8	8.13	X	0.60	X	1.00	X 1	=	1.88 SQ.MT
9	0.83	X	1.35	X	1.00	X 1	=	1.12 SQ.MT
10	0.08	X	1.13	X	1.00	X 1	=	0.09 SQ.MT
"	0.08	X	0.30	X	1.00	X 1	=	0.02 SQ.MT
11	36.54	X	1.13	X	1.00	X 1	=	41.29 SQ.MT
			TOTAL				=	83.80 SQ.MT
TOTAL BUILT-UP AREA (Y2) (X-Y1)							=	246.74 SQ.MT
BUILT UP AREA CALCULATION OF GROUND FLOOR SHOW RM.)								
ADDITION (X1)								
A	7.00	X	8.14	X	1.00	X 1	=	56.98 SQ.MT
TOTAL							=	56.98 SQ.MT
STANDARD DEDUCTION (Y3)								
1	0.70	X	2.06	X	1.00	X 1	=	1.44 SQ.MT
			TOTAL				=	1.44 SQ.MT
TOTAL BUILT-UP AREA (Y4) (X1-Y3)							=	55.54 SQ.MT
NET BUILT-UP AREA (Y5) (Y2+Y4)							=	302.28 SQ.MT

PROFORMA -B | 02/10

CONTENTS OF SHEET

GROUND FLOOR PLAN.

APPROVED SUBJECT TO THE CONDITION MENTIONED IN THIS OFFICE LETTER NO. CHE/ES/4273/L/337(NEW)

SHINDE SACHIN BALAKRISHNA	YATISH SHIRISH RANDERIA	Patil Deelip Parashram
S.E.(B.P.)/L/W	A.E.(B.P.)L&N	E.E.(B.P.)ES-I

DESCRIPTION OF PROPOSAL & PROPERTY

PROPOSED DEVELOPMENT ON LAND PLOT BEARING C.T.S.NO. 657 OF VILLAGE MOHILI OF TALUKA KURLA (W), IN 'L' WARD, MUMBAI.

JOB. NO.	DRG. NO.	DRAWN BY
-	2/10	
SCALE	DATE	CHECKED BY
1:200		

DESCRIPTION :

NAME AND ADDRESS OF DESIGN ARCHITECT

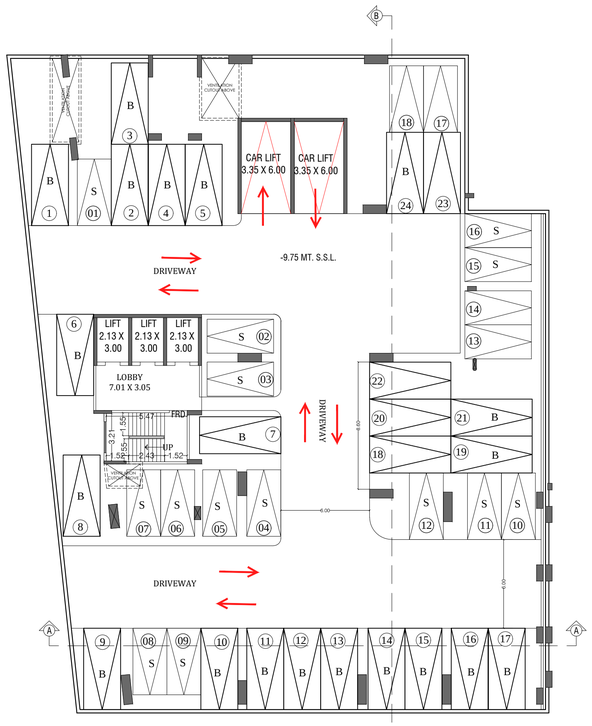
MANDVIWALA QUTUBJ& ASSOCIATES. 9/10 ,TURF ESTATE, SHAKTI MILL COMPOUND LANE, MAHALAXMI (w), MUMBAI - 11

NAME OF THE OWNER	SIGNATURE
LANDCARE REALTY LLP Orbit Plaza, 601, 6th Floor, New Prabhadevi Marg Prabhadevi Mumbai 400 025.	DHANNAL AL P JAIN Digitally signed by DHANNALAL P JAIN Date: 2020.09.09 17:54:30 +05'30'

NAME ADDRESS AND SIGNATURE OF CONSULTANTS (L.S.)	SIGNATURE
SPACEAGE CONSULTANTS B-106, Natraj Building, Mulund Goregaon Link Road Mulund (w), Mumbai : 4000 80	Shashikant Laxman Jadhav

1ST BASEMENT FLOOR PLAN.
SCALE - 1:200

2ND BASEMENT FLOOR PLAN.
SCALE - 1:200



3RD BASEMENT FLOOR PLAN.
SCALE - 1:200

PROFORMA -B	03/10

CONTENTS OF SHEET

1ST BASEMENT FLOOR PLAN, 2ND BASEMENT FLOOR PLAN, 3RD BASEMENT FLOOR PLAN

APPROVED SUBJECT TO THE CONDITION MENTIONED IN THIS OFFICE LETTER NO. CHE/ES/4273/L/337(NEW)

SHINDE SACHIN BALAKRISHNA	YATISH SHIRISH RANDERIA	Patil Deelip Parasharam
S.E.(B.P.)L/W	A.E.(B.P.)L&N	E.E.(B.P.)ES-I

DESCRIPTION OF PROPOSAL & PROPERTY

PROPOSED DEVELOPMENT ON LAND PLOT BEARING C.T.S.NO. 657 OF VILLAGE MOHILI OF TALUKA KURLA (W), IN 'L' WARD, MUMBAI.

JOB. NO.	DRG. NO.	DRAWN BY
	3/10	
SCALE	DATE	CHECKED BY
1:200		

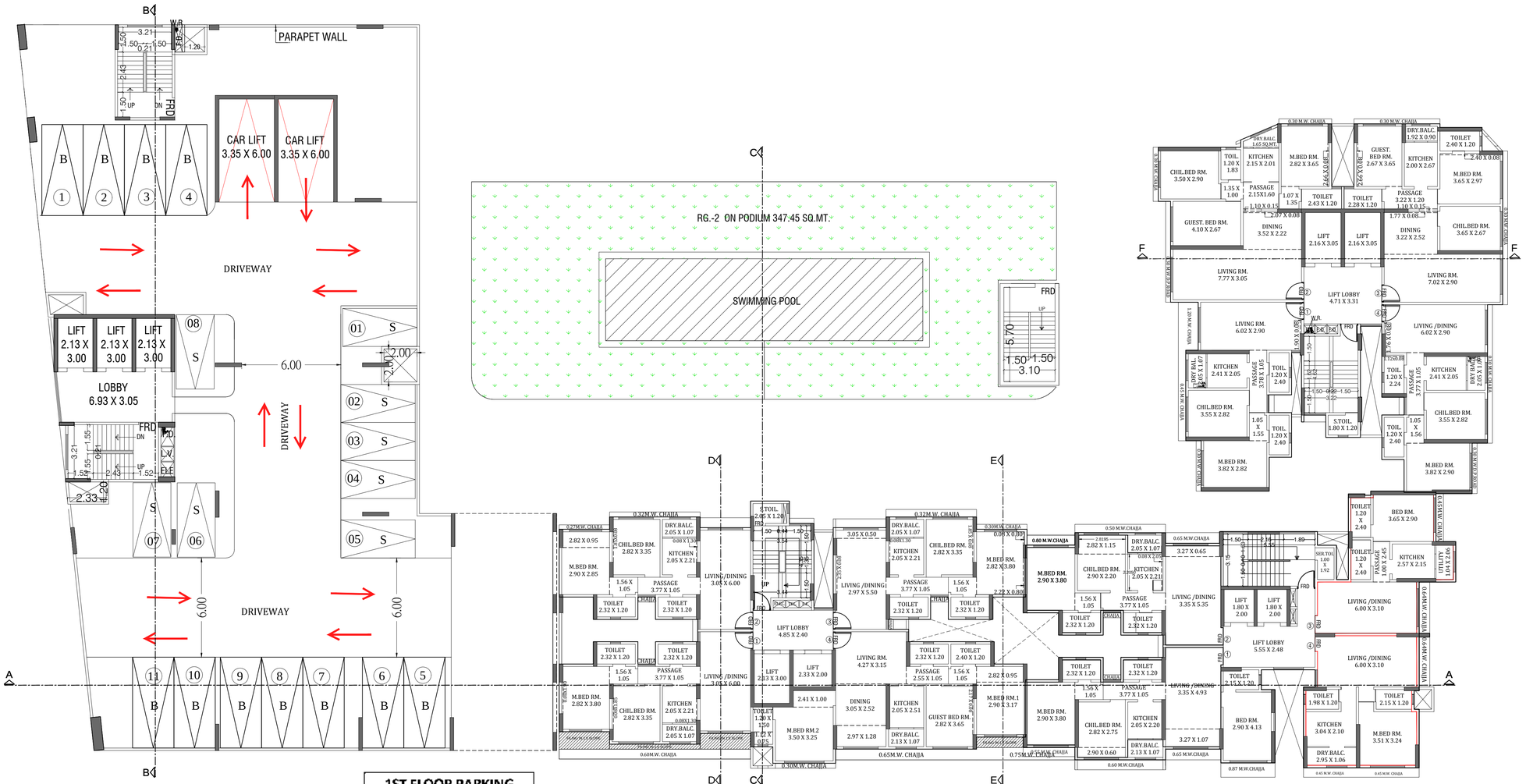
DESCRIPTION :

NAME AND ADDRESS OF DESIGN ARCHITECT

MANDVIWALA QUTUBS ASSOCIATES. 9/10 ,TURF ESTATE, SHAKTI MILL COMPOUND LANE, MAHALAXMI (w), MUMBAI - 11

NAME OF THE OWNER	SIGNATURE
LANDCARE REALTY LLP Orbit Plaza, 601, 6th Floor, New Prabhadevi Marg Prabhadevi Mumbai 400 025.	DHANNALAL P JAIN Digitally signed by DHANNALAL P JAIN Date: 2020.09.09 17:53:24 +05'30'

NAME ADDRESS AND SIGNATURE OF LICENSED SURVEYER	SIGNATURE
SPACEAGE INFRA CONSULTANTS B-106, Natraj Building, Mulund Goregaon Link Road Mulund (w), Mumbai : 4000 80	Shashikant Laxman jadhav



1ST FLOOR/ PODIUM PLAN

SCALE - 1:200

1ST FLOOR PARKING	
BIG CAR	11
SMALL CAR	8
TOTAL	19

PROFORMA -B	04/10

CONTENTS OF SHEET

1ST FLOOR/PODIUM PLAN & ND FLOOR PLAN

APPROVED SUBJECT TO THE CONDITION MENTIONED IN THIS OFFICE LETTER NO. CHE/ES/4273/L/337(NEW)

SHINDE SACHIN BALAKRISHNA
Digitally signed by SHINDE SACHIN BALAKRISHNA
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Date: 2020.09.10 12:43:17 +05'30'
S.E.(B.P.)L/W

YATISH SHIRISH RANDERIA
Digitally signed by YATISH SHIRISH RANDERIA
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Date: 2020.09.10 18:42:52 +05'30'
A.E.(B.P.)L&N

Patil Deelip Parasharam
Digitally signed by Patil Deelip Parasharam
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Date: 2020.09.10 18:59:33 +05'30'
E.E.(B.P.)ES-I

DESCRIPTION OF PROPOSAL & PROPERTY

PROPOSED DEVELOPMENT ON LAND BEARING
C.T.S.NO. 657 OF VILLAGE MOHILI OF TALUKA KURLA (W),
IN 'L' WARD, MUMBAI.

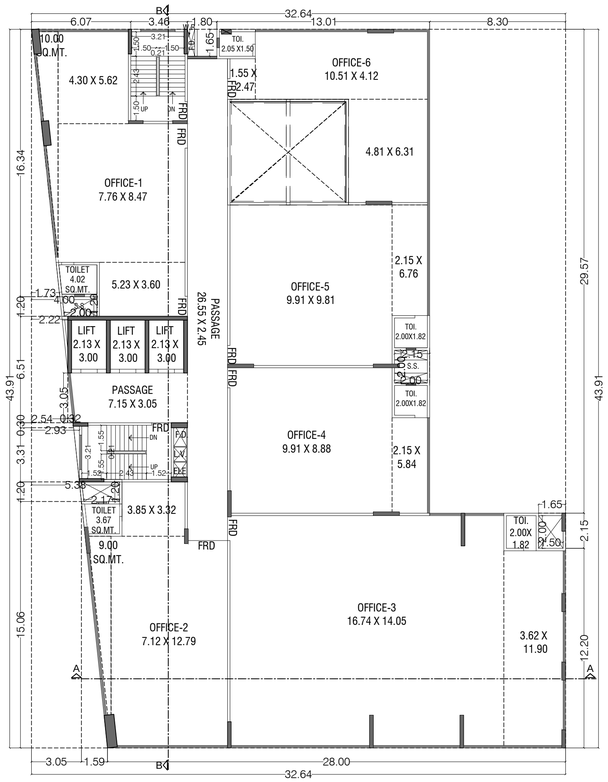
N	JOB. NO.	DRG. NO.	DRAWN BY
	-	4/10	
	SCALE	DATE	CHECKED BY
	1:200		
	DESCRIPTION :		

NAME AND ADDRESS OF DESIGN ARCHITECT

MANDVIWALA QUTUB& ASSOCIATES. 9/10 ,TURF
ESTATE, SHAKTI MILL COMPOUND LANE,
MAHALAXMI (w), MUMBAI - 11

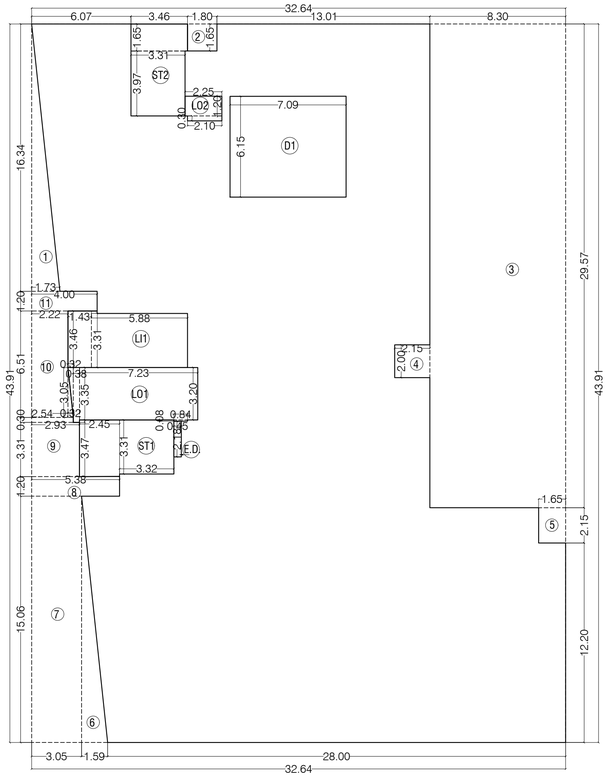
NAME OF THE OWNER	SIGNATURE
LANDCARE REALTY LLP Orbit Plaza, 601, 6th Floor, New Prabhadevi Marg Prabhadevi Mumbai 400 025.	DHANNALAL P JAIN Digitally signed by DHANNALAL P JAIN Date: 2020.09.09 17:55:57 +05'30'

NAME ADDRESS AND SIGNATURE OF CONSULTANTS (L.S.)	SIGNATURE
SPACEAGE CONSULTANTS B-106, Natraj Building, Mulund Goregaon Link Road Mulund (w), Mumbai : 4000 80	Shashikant Laxman jadhav



3RD FLOOR PLAN (WING D)

SCALE - 1:200

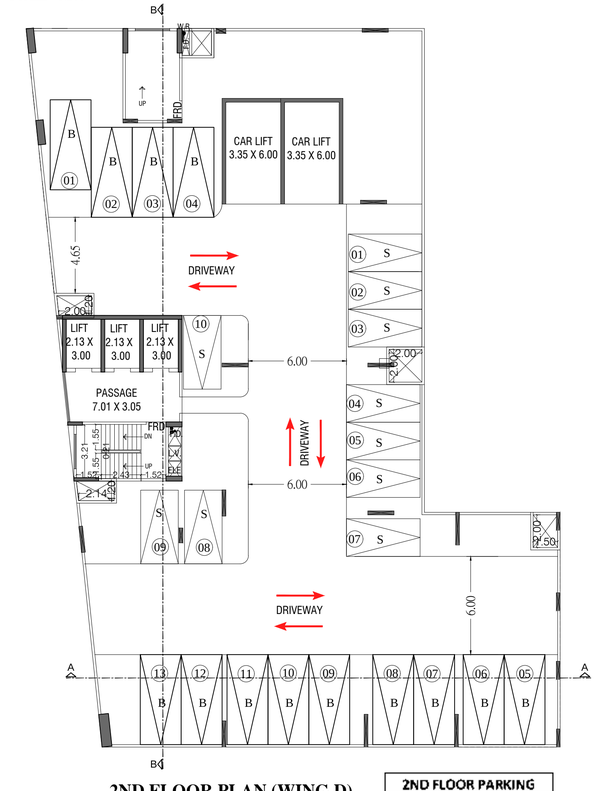


LINE DIAGRAM OF 3RD FLOOR PLAN (WING D)

SCALE :- 1:100

BUILT UP AREA CALCULATION OF 3RD FLOOR

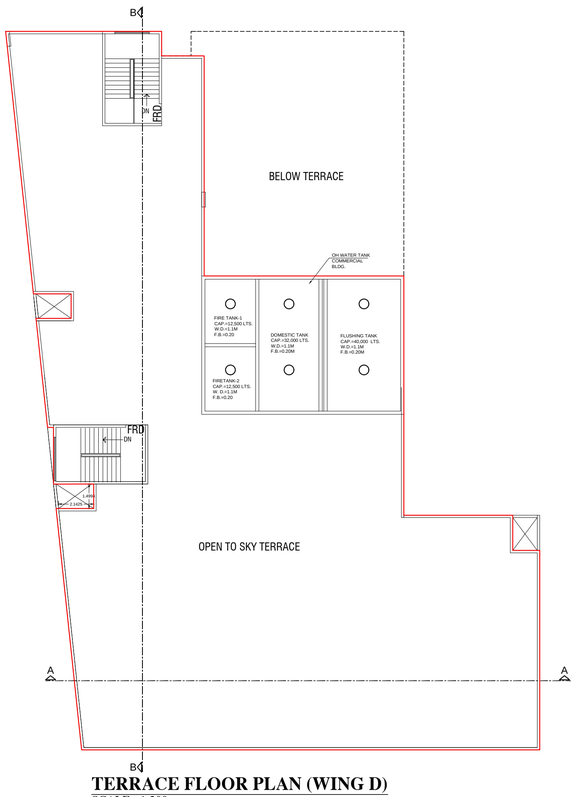
ADDITION (X)									
A	32.64	X	43.91	X	1.00	X	1	=	1433.51 SQ.MT
TOTAL								=	**1433.51 SQ.MT**
STANDARD DEDUCTION (Y1)									
1	1.73	X	16.34	X	0.50	X	1	=	14.13 SQ.MT
2	1.80	X	1.65	X	1.00	X	1	=	2.97 SQ.MT
3	8.30	X	29.57	X	1.00	X	1	=	245.43 SQ.MT
4	2.15	X	2.00	X	1.00	X	1	=	4.30 SQ.MT
5	1.65	X	2.15	X	1.00	X	1	=	3.55 SQ.MT
6	1.59	X	15.06	X	0.50	X	1	=	11.97 SQ.MT
7	3.05	X	15.06	X	1.00	X	1	=	45.93 SQ.MT
8	5.38	X	1.20	X	1.00	X	1	=	6.46 SQ.MT
9	2.93	X	3.31	X	1.00	X	1	=	9.70 SQ.MT
"	2.54	X	0.30	X	1.00	X	1	=	0.76 SQ.MT
"	0.32	X	3.05	X	0.50	X	1	=	0.49 SQ.MT
10	2.22	X	6.51	X	1.00	X	1	=	14.45 SQ.MT
11	4.00	X	1.20	X	1.00	X	1	=	4.80 SQ.MT
TOTAL								=	**364.94 SQ.MT**
STAIRCASE, LIFT & LOBBY AREA DEDUCTION (Y2)									
ST1	3.32	X	3.31	X	1.00	X	1	=	10.97 SQ.MT
"	2.45	X	3.47	X	1.00	X	1	=	8.50 SQ.MT
ST2	3.46	X	1.65	X	1.00	X	1	=	5.71 SQ.MT
"	3.31	X	3.97	X	1.00	X	1	=	13.14 SQ.MT
LI1	5.88	X	3.31	X	1.00	X	1	=	19.46 SQ.MT
"	1.43	X	3.46	X	1.00	X	1	=	4.95 SQ.MT
LO1	7.23	X	3.20	X	1.00	X	1	=	23.14 SQ.MT
"	0.84	X	0.08	X	1.00	X	1	=	0.07 SQ.MT
"	0.38	X	3.35	X	1.00	X	1	=	1.27 SQ.MT
"	0.32	X	3.28	X	0.50	X	1	=	0.52 SQ.MT
LO2	2.25	X	1.20	X	1.00	X	1	=	2.70 SQ.MT
"	2.10	X	0.30	X	1.00	X	1	=	0.63 SQ.MT
TOTAL								=	**91.07 SQ.MT**
DUCT AREA DEDUCTION (Y3)									
D1	7.09	X	6.15	X	1.00	X	1	=	43.60 SQ.MT
E.D.	0.45	X	2.18	X	1.00	X	1	=	0.98 SQ.MT
TOTAL								=	**44.58 SQ.MT**
TOTAL DEDUCTION (Y4) (Y1+Y2+Y3)								=	**500.60 SQ.MT**
TOTAL BUILT-UP AREA (Y6) (X-Y5)								=	**932.91 SQ.MT**
STAIRCASE, LIFT & LOBBY AREA DEDUCTION (Y7)								=	**91.07 SQ.MT**
NET BUILT-UP AREA (Y8) (Y6+Y7)								=	**1023.98 SQ.MT**



2ND FLOOR PLAN (WING D)

SCALE - 1:200

2ND FLOOR PARKING	
BIG CAR	13
SMALL CAR	10
TOTAL	**23**



TERRACE FLOOR PLAN (WING D)

SCALE - 1:200

PROFORMA -B

05/10

CONTENTS OF SHEET

2ND FLOOR PLAN, 3rd FLOOR PLAN,
LINE AREA DIA. & BUILT UP AREA CALCULATION
(WING - D)

STAMP AND DATE OF APPROVAL OF PLAN

APPROVED SUBJECT TO THE CONDITION MENTIONED IN THIS OFFICE LETTER NO. CHE/ES/4273/L/337(NEW)

SHINDE SACHIN BALAKRI SHNA	YATISH SHIRISH RANDERIA	Patil Deelip Parasha ram
S.E.(B.P.)L/W	A.E.(B.P.)L&N	E.E.(B.P.)ES-I

DESCRIPTION OF PROPOSAL & PROPERTY

PROPOSED DEVELOPMENT ON LAND BEARING
C.T.S.NO. 657 OF VILLAGE MOHILI OF TALUKA KURLA (W),
IN 'L' WARD, MUMBAI.

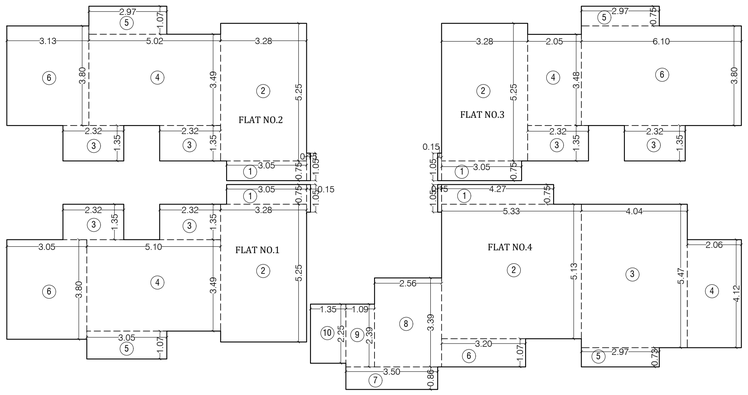
	JOB. NO.	DRG. NO.	DRAWN BY
N	-	05/10	
	SCALE	DATE	CHECKED BY
	1:100		
	DESCRIPTION :		

NAME AND ADDRESS OF DESIGN ARCHITECT

MANDVIWALA QUTUB& ASSOCIATES. 9/10 ,TURF
ESTATE, SHAKTI MILL COMPOUND LANE,
MAHALAXMI (w), MUMBAI - 11

NAME OF THE OWNER	SIGNATURE
LANDCARE REALITY LLP.	DHANNALAL P JAIN

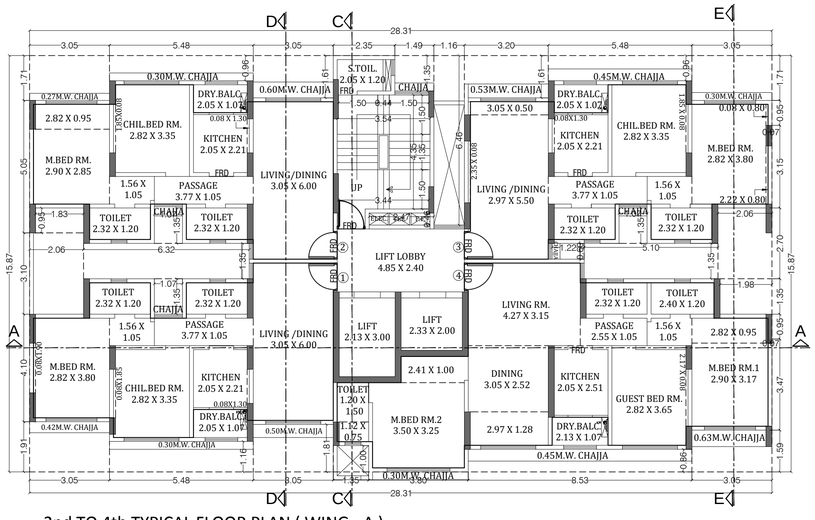
NAME ADDRESS AND SIGNATURE OF LICENSED SURVEYER	SIGNATURE
SPACEAGE CONSULTANTS B-106, Natraj Building, Mulund Goregaon Link Road Mulund (w), Mumbai : 4000 80	Shashikant Laxman jadhav



RERA CARPET TYPICAL FLOOR PLAN (WING - A)

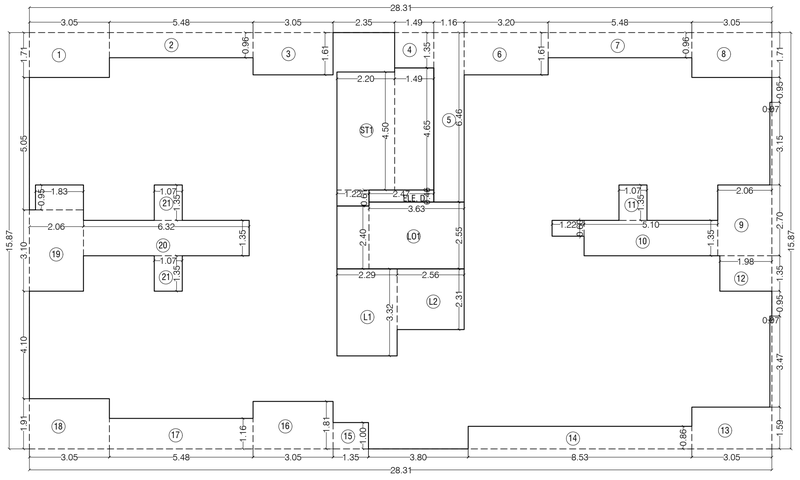
SCALE :- 1:100

RERA CARPET AREA TYPICAL FLOOR (WING-A)									
FLAT NO.- 1									
1	3.05	X	0.75	X	1.00	X	1	=	2.29 SQ.MT
"	0.15	X	1.05	X	1.00	X	1	=	0.16 SQ.MT
2	3.28	X	5.25	X	1.00	X	1	=	17.22 SQ.MT
3	2.32	X	1.35	X	1.00	X	2	=	6.26 SQ.MT
4	5.10	X	3.49	X	1.00	X	1	=	17.77 SQ.MT
5	3.05	X	1.07	X	1.00	X	1	=	3.25 SQ.MT
6	3.05	X	3.80	X	1.00	X	1	=	11.59 SQ.MT
TOTAL								=	58.54 SQ.MT
FLAT NO.- 2									
1	3.05	X	0.75	X	1.00	X	1	=	2.29 SQ.MT
"	0.15	X	1.05	X	1.00	X	1	=	0.16 SQ.MT
2	3.28	X	5.25	X	1.00	X	1	=	17.22 SQ.MT
3	2.32	X	1.35	X	1.00	X	2	=	6.26 SQ.MT
4	5.02	X	3.49	X	1.00	X	1	=	17.49 SQ.MT
5	2.97	X	1.07	X	1.00	X	1	=	3.16 SQ.MT
6	3.13	X	3.80	X	1.00	X	1	=	11.89 SQ.MT
TOTAL								=	58.48 SQ.MT
FLAT NO.- 3									
1	3.05	X	0.75	X	1.00	X	1	=	2.29 SQ.MT
"	0.15	X	1.05	X	1.00	X	1	=	0.16 SQ.MT
2	3.28	X	5.25	X	1.00	X	1	=	17.22 SQ.MT
3	2.32	X	1.35	X	1.00	X	2	=	6.26 SQ.MT
4	2.05	X	3.48	X	1.00	X	1	=	7.13 SQ.MT
5	2.97	X	0.75	X	1.00	X	1	=	2.23 SQ.MT
6	6.10	X	3.80	X	1.00	X	1	=	23.18 SQ.MT
TOTAL								=	58.47 SQ.MT
FLAT NO.- 4									
1	4.27	X	0.75	X	1.00	X	1	=	3.20 SQ.MT
"	0.15	X	1.05	X	1.00	X	1	=	0.16 SQ.MT
2	5.33	X	5.13	X	1.00	X	1	=	27.34 SQ.MT
3	4.04	X	5.47	X	1.00	X	1	=	22.10 SQ.MT
4	2.06	X	4.12	X	1.00	X	1	=	8.49 SQ.MT
5	2.97	X	0.73	X	1.00	X	1	=	2.17 SQ.MT
6	3.20	X	1.07	X	1.00	X	1	=	3.42 SQ.MT
7	3.50	X	0.86	X	1.00	X	1	=	3.01 SQ.MT
8	2.56	X	3.39	X	1.00	X	1	=	8.68 SQ.MT
9	1.09	X	2.39	X	1.00	X	1	=	2.61 SQ.MT
10	1.35	X	2.25	X	1.00	X	1	=	3.04 SQ.MT
TOTAL								=	84.21 SQ.MT



2nd TO 4th TYPICAL FLOOR PLAN (WING - A)

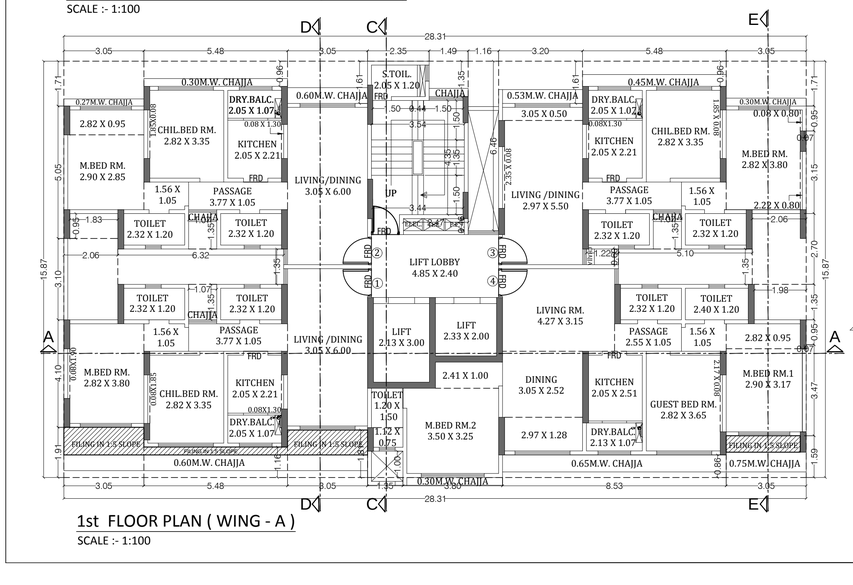
SCALE :- 1:100



LINE DIAGRAM OF 1st TO 4th TYPICAL FLOOR PLAN (WING - A)

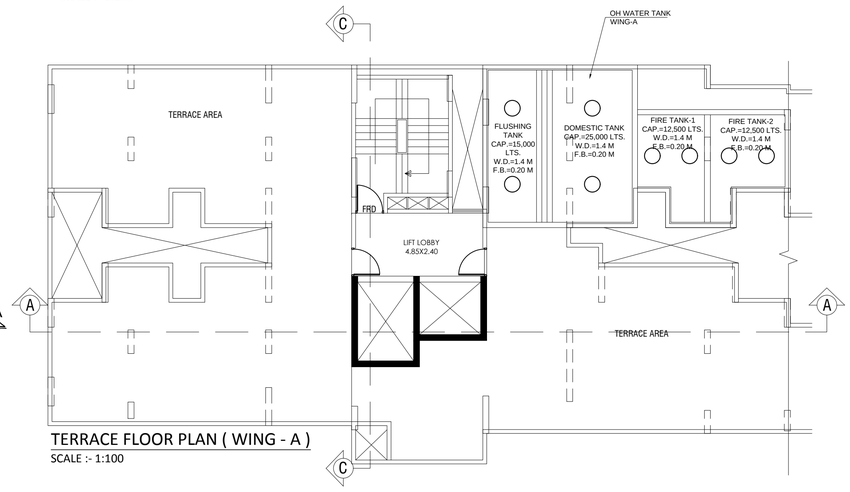
SCALE :- 1:100

BUILT UP AREA CALCULATION OF 1ST TO 4TH TYPICAL FLOOR (WING-A)									
ADDITION (X)									
A	28.31	X	15.87	X	1.00	X	1	=	449.28 SQ.MT
TOTAL								=	449.28 SQ.MT
STANDARD DEDUCTION (Y1)									
1	3.05	X	1.71	X	1.00	X	1	=	5.22 SQ.MT
2	5.48	X	0.96	X	1.00	X	1	=	5.26 SQ.MT
3	3.05	X	1.61	X	1.00	X	1	=	4.91 SQ.MT
4	1.49	X	1.35	X	1.00	X	1	=	2.01 SQ.MT
5	1.16	X	6.46	X	1.00	X	1	=	7.49 SQ.MT
6	3.20	X	1.61	X	1.00	X	1	=	5.15 SQ.MT
7	5.48	X	0.96	X	1.00	X	1	=	5.26 SQ.MT
8	3.05	X	1.71	X	1.00	X	1	=	5.22 SQ.MT
"	0.07	X	3.15	X	1.00	X	1	=	0.24 SQ.MT
9	2.06	X	2.70	X	1.00	X	1	=	5.56 SQ.MT
10	5.10	X	1.35	X	1.00	X	1	=	6.89 SQ.MT
11	1.07	X	1.35	X	1.00	X	1	=	1.44 SQ.MT
"	1.22	X	0.60	X	1.00	X	1	=	0.73 SQ.MT
12	1.98	X	1.35	X	1.00	X	1	=	2.67 SQ.MT
"	0.07	X	3.47	X	1.00	X	1	=	0.26 SQ.MT
13	3.05	X	1.59	X	1.00	X	1	=	4.85 SQ.MT
14	8.53	X	0.86	X	1.00	X	1	=	7.34 SQ.MT
15	1.35	X	1.00	X	1.00	X	1	=	1.35 SQ.MT
16	3.05	X	1.81	X	1.00	X	1	=	5.52 SQ.MT
17	5.48	X	1.16	X	1.00	X	1	=	6.36 SQ.MT
18	3.05	X	1.91	X	1.00	X	1	=	5.83 SQ.MT
19	2.06	X	3.10	X	1.00	X	1	=	6.39 SQ.MT
"	1.83	X	0.95	X	1.00	X	1	=	1.74 SQ.MT
20	6.32	X	1.35	X	1.00	X	1	=	8.53 SQ.MT
21	1.07	X	1.35	X	1.00	X	2	=	2.89 SQ.MT
SER.TOI.	2.20	X	1.00	X	1.00	X	1	=	2.20 SQ.MT
TOTAL								=	111.29 SQ.MT
STAIRCASE, LIFT & LOBBY AREA DEDUCTION (Y2)									
ST1	2.20	X	4.50	X	1.00	X	1	=	9.90 SQ.MT
"	1.22	X	0.61	X	1.00	X	1	=	0.74 SQ.MT
"	1.49	X	4.65	X	1.00	X	1	=	6.93 SQ.MT
L1	2.29	X	3.32	X	1.00	X	1	=	7.60 SQ.MT
L2	2.56	X	2.31	X	1.00	X	1	=	5.91 SQ.MT
LO1	3.63	X	2.55	X	1.00	X	1	=	9.26 SQ.MT
"	1.22	X	2.40	X	1.00	X	1	=	2.93 SQ.MT
TOTAL								=	43.27 SQ.MT
F.L.E.D. DUCT AREA DEDUCTION (Y3)									
F.L.E.D.	2.47	X	0.46	X	1.00	X	1	=	1.14 SQ.MT
TOTAL								=	1.14 SQ.MT
TOTAL DEDUCTION (Y4) (Y1+Y2+Y3)								=	155.70 SQ.MT
TOTAL BUILT-UP AREA (Y5) (X-Y4)								=	293.58 SQ.MT
STAIRCASE, LIFT & LOBBY AREA COUNTED IN FSI(Y6)								=	43.27 SQ.MT
NET BUILT-UP AREA (Y7) (Y5+Y6)								=	336.85 SQ.MT



1st FLOOR PLAN (WING - A)

SCALE :- 1:100



TERRACE FLOOR PLAN (WING - A)

SCALE :- 1:100

PROFORMA -B	06/10

CONTENTS OF SHEET

1st TO 4th TYPICAL FLOOR PLAN, RERA CARPET AREA, LINE AREA DIA. & BUILT UP AREA CALCULATION, TERRACE FLOOR PLAN. (WING-A)

APPROVED SUBJECT TO THE CONDITION MENTIONED IN THIS OFFICE LETTER NO. CHE/ES/4273/L/337(NEW)

SHINDE SACHIN BALAKRISHNA	YATISH SHIRISH RANDERIA	Patil Deelip Parashram
S.E.(B.P.)L/W	A.E.(B.P.)L&N	E.E.(B.P.)ES-I

DESCRIPTION OF PROPOSAL & PROPERTY

PROPOSED DEVELOPMENT ON LAND BEARING C.T.S.NO. 657 OF VILLAGE MOHILI OF TALUKA KURLA (W), IN 'L' WARD, MUMBAI.

JOB. NO.	DRG. NO.	DRAWN BY
-	06/10	
SCALE	DATE	CHECKED BY
1:100		

DESCRIPTION :

NAME AND ADDRESS OF DESIGN ARCHITECT

MANDVIWALA QUTUB& ASSOCIATES. 9/10 ,TURF ESTATE, SHAKTI MILL COMPOUND LANE, MAHALAXMI (w), MUMBAI - 11

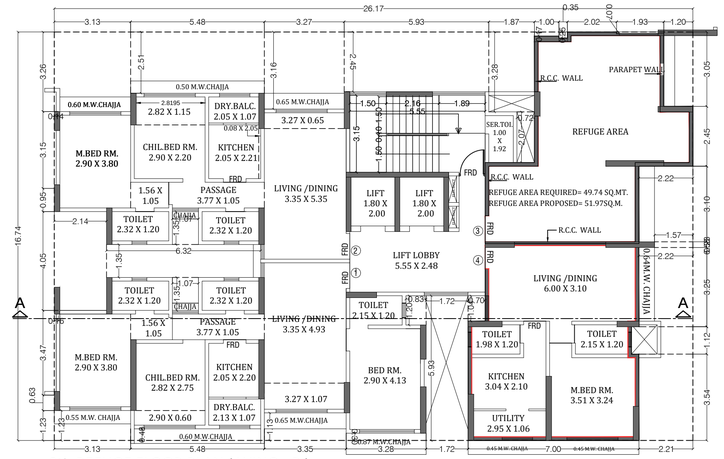
NAME OF THE OWNER	SIGNATURE
LANDCARE REALITY LLP.	DHANNALAL P JAIN

NAME ADDRESS AND SIGNATURE OF LICENSED SURVEYER | SIGNATURE

SPACEAGE CONSULTANTS

B-106, Natraj Building,
Mulund Goregaon Link Road
Mulund (w), Mumbai : 4000 80

Shashikant Laxman Jadhav



8th REFUGE FLOOR PLAN (WING - B)

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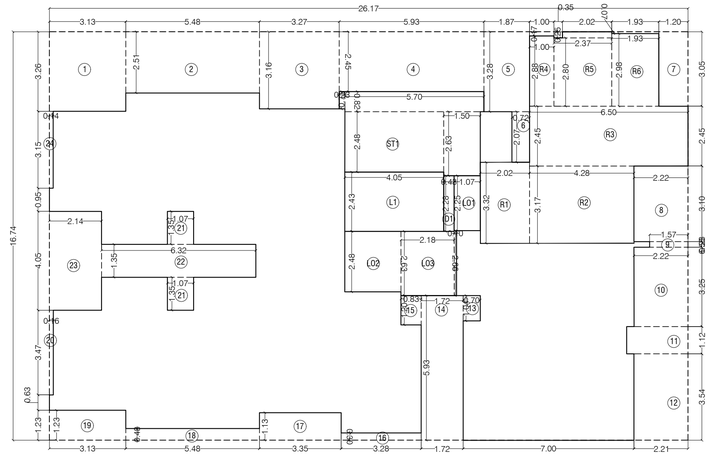
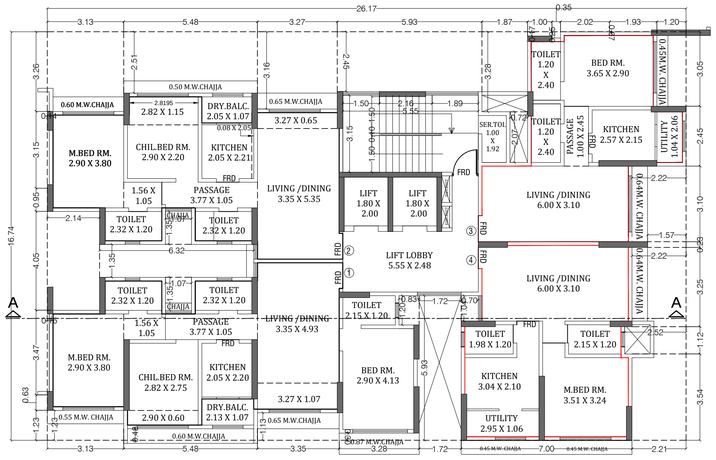


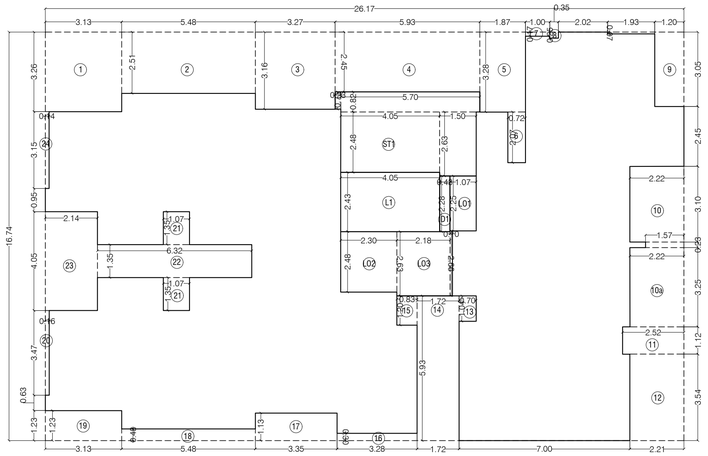
LINE DIAGRAM OF 8th REFUGE FLOOR (WING - B)

SCALE :- 1:100



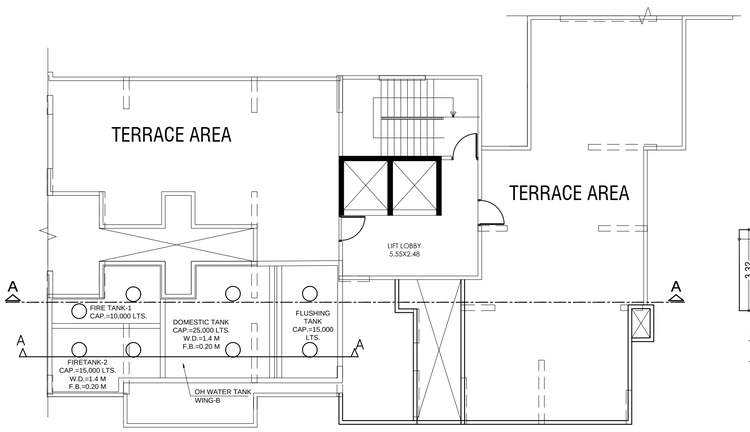
1st TO 7th & 9th TO 12th TYPICAL FLOOR PLAN (WING - B)

SCALE :- 1:100



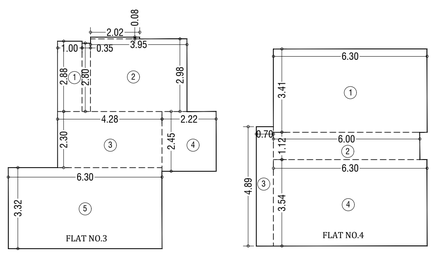
LINE DIAGRAM OF 1st TO 7th & 9th TO 12th TYPICAL FLOOR (WING - B)

SCALE :- 1:100



TERRACE FLOOR PLAN (WING - B)

SCALE :- 1:100



I TO R BUILT-UP AREA DIAGRAM 1ST TO 12TH FLOOR PLAN (WING - B)

SCALE :- 1:100

BUILT UP AREA CALCULATION OF 8TH REFUGE FLOOR (WING -B)

ADDITION (X)

A	26.17	X	16.74	X	1.00	X	1	=	438.09 SQ.MT
TOTAL								=	438.09 SQ.MT

STANDARD DEDUCTION (Y1)

1	3.13	X	3.26	X	1.00	X	1	=	10.20 SQ.MT
2	5.48	X	2.51	X	2.00	X	1	=	13.75 SQ.MT
3	3.27	X	3.16	X	1.00	X	1	=	10.33 SQ.MT
4	5.93	X	2.45	X	1.00	X	1	=	14.53 SQ.MT
5	1.87	X	3.28	X	1.00	X	1	=	6.13 SQ.MT
6	0.72	X	2.07	X	1.00	X	1	=	1.49 SQ.MT
"	1.00	X	0.17	X	1.00	X	1	=	0.17 SQ.MT
"	0.35	X	0.25	X	1.00	X	1	=	0.09 SQ.MT
"	1.93	X	0.07	X	1.00	X	1	=	0.14 SQ.MT
7	1.20	X	3.05	X	1.00	X	1	=	3.66 SQ.MT
8	2.22	X	3.10	X	1.00	X	1	=	6.88 SQ.MT
9	1.57	X	0.23	X	1.00	X	1	=	0.36 SQ.MT
10	2.22	X	3.25	X	1.00	X	1	=	7.22 SQ.MT
11	2.52	X	1.12	X	1.00	X	1	=	2.82 SQ.MT
12	2.21	X	3.54	X	1.00	X	1	=	7.82 SQ.MT
13	0.70	X	1.04	X	1.00	X	1	=	0.73 SQ.MT
14	1.72	X	5.93	X	1.00	X	1	=	10.20 SQ.MT
15	0.83	X	1.20	X	1.00	X	1	=	1.00 SQ.MT
16	3.28	X	0.30	X	1.00	X	1	=	0.98 SQ.MT
17	3.35	X	1.13	X	1.00	X	1	=	3.79 SQ.MT
18	5.48	X	0.48	X	1.00	X	1	=	2.63 SQ.MT
19	3.13	X	1.23	X	1.00	X	1	=	3.85 SQ.MT
20	0.16	X	3.47	X	1.00	X	1	=	0.56 SQ.MT
21	1.07	X	1.35	X	1.00	X	2	=	2.89 SQ.MT
22	6.32	X	1.35	X	1.00	X	1	=	8.53 SQ.MT
23	2.14	X	4.05	X	1.00	X	1	=	8.67 SQ.MT
24	0.14	X	3.15	X	1.00	X	1	=	0.44 SQ.MT
S.TOI.	2.20	X	1.00	X	1.00	X	1	=	2.20 SQ.MT
			TOTAL					=	132.06 SQ.MT

STAIRCASE, LIFT & LOBBY AREA DEDUCTION (Y2)

ST1	4.05	X	2.48	X	1.00	X	1	=	10.04 SQ.MT
"	1.50	X	2.63	X	1.00	X	1	=	3.95 SQ.MT
"	5.70	X	0.82	X	1.00	X	1	=	4.67 SQ.MT
"	0.23	X	0.71	X	1.00	X	1	=	0.16 SQ.MT
L1	4.05	X	2.43	X	1.00	X	1	=	9.84 SQ.MT
LO1	1.07	X	2.25	X	1.00	X	1	=	2.41 SQ.MT
LO2	2.30	X	2.48	X	1.00	X	1	=	5.70 SQ.MT
LO3	2.18	X	2.63	X	1.00	X	1	=	5.73 SQ.MT
"	0.10	X	2.66	X	1.00	X	1	=	0.27 SQ.MT
TOTAL								=	42.78 SQ.MT

ELECTRICT DUCT AREA DEDUCTION (Y3)

"	0.43	X	2.28	X	1.00	X	1	=	0.98 SQ.MT
TOTAL								=	0.98 SQ.MT

REFUGE AREA DEDUCTION (Y4)

R1	2.02	X	3.32	X	1.00	X	1	=	6.71 SQ.MT
R2	4.28	X	3.17	X	1.00	X	1	=	13.57 SQ.MT
R3	6.50	X	2.45	X	1.00	X	1	=	15.93 SQ.MT
R4	1.00	X	2.88	X	1.00	X	1	=	2.88 SQ.MT
R5	2.37	X	2.80	X	1.00	X	1	=	6.64 SQ.MT
"	2.02	X	0.25	X	1.00	X	1	=	0.51 SQ.MT
R6	1.93	X	2.98	X	1.00	X	1	=	5.75 SQ.MT
TOTAL								=	51.97 SQ.MT
TOTAL DEDUCTION (Y5) (Y1+Y2+Y3+Y4)								=	227.79 SQ.MT
TOTAL BUILT-UP AREA (Y4) (X-Y3)								=	210.30 SQ.MT
REFUGE AREA COUNTED IN FSI (Y5)								=	0.00 SQ.MT
NET BUILT-UP AREA (Y6) Y6=Y5)								=	210.30 SQ.MT
STAIRCASE, LIFT & LOBBY AREA COUNTED IN FSI (Y7)								=	42.78 SQ.MT
NET BUILT-UP AREA (Y8) (Y6+Y7)								=	253.08 SQ.MT

BUILT UP AREA CALCULATION OF 1ST TO 4H (TYPICAL) FLOOR (WING -B)

ADDITION (X)

A	26.17	X	16.74	X	1.00	X	1	=	438.09 SQ.MT
TOTAL								=	438.09 SQ.MT

STANDARD DEDUCTION (Y1)

1	3.13	X	3.26	X	1.00	X	1	=	10.20 SQ.MT
2	5.48	X	2.51	X	1.00	X	1	=	13.75 SQ.MT
3	3.27	X	3.16	X	1.00	X	1	=	10.33 SQ.MT
4	5.93	X	2.45	X	1.00	X	1	=	14.53 SQ.MT
5	1.87	X	3.28	X	1.00	X	1	=	6.13 SQ.MT
6	0.72	X	2.07	X	1.00	X	1	=	1.49 SQ.MT
7	1.00	X	0.17	X	1.00	X	1	=	0.17 SQ.MT
8	0.35	X	0.25	X	1.00	X	1	=	0.09 SQ.MT
"	1.93	X	0.07	X	1.00	X	1	=	0.14 SQ.MT
9	1.20	X	3.05	X	1.00	X	1	=	3.66 SQ.MT
10	2.22	X	3.10	X	1.00	X	1	=	6.88 SQ.MT
"	1.57	X	0.23	X	1.00	X	1	=	0.36 SQ.MT
10a	2.22	X	3.25	X	1.00	X	1	=	7.22 SQ.MT
11	2.52	X	1.12	X	1.00	X	1	=	2.82 SQ.MT
12	2.21	X	3.54	X	1.00	X	1	=	7.82 SQ.MT
13	0.70	X	1.06	X	1.00	X	1	=	0.73 SQ.MT
14	1.72	X	5.93	X	1.00	X	1	=	10.20 SQ.MT
15	0.83	X	1.20	X	1.00	X	1	=	1.00 SQ.MT
16	3.28	X	0.30	X	1.00	X	1	=	0.98 SQ.MT
17	3.35	X	1.13	X	1.00	X	1	=	3.79 SQ.MT
18	5.48	X	0.48	X	1.00	X	1	=	2.63 SQ.MT
19	3.13	X	1.23	X	1.00	X	1	=	3.85 SQ.MT
20	0.16	X	3.47	X	1.00	X	1	=	0.56 SQ.MT
21	1.07	X	1.35	X	1.00	X	2	=	2.89 SQ.MT
22	6.32	X	1.35	X	1.00	X	1	=	8.53 SQ.MT
23	2.14	X	4.05	X	1.00	X	1	=	8.67 SQ.MT
24	0.14	X	3.15	X	1.00	X	1	=	0.44 SQ.MT
S.TOI.	2.20	X	1.00	X	1.00	X	1	=	2.20 SQ.MT
			TOTAL					=	132.06 SQ.MT

STAIRCASE, LIFT & LOBBY AREA DEDUCTION (Y2)

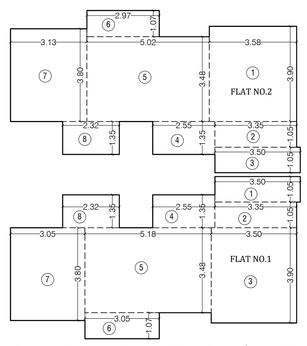
ST1	4.05	X	2.48	X	1.00	X	1	=	10.04 SQ.MT
"	1.50	X	2.63	X	1.00	X	1	=	3.95 SQ.MT
"	5.70	X	0.82	X	1.00	X	1	=	4.67 SQ.MT
"	0.23	X	0.71	X	1.00	X	1	=	0.16 SQ.MT
L1	4.05	X	2.43	X	1.00	X	1	=	9.84 SQ.MT
LO1	1.07	X	2.25	X	1.00	X	1	=	2.41 SQ.MT
LO2	2.30	X	2.48	X	1.00	X	1	=	5.70 SQ.MT
LO3	2.18	X	2.63	X	1.00	X	1	=	5.73 SQ.MT
"	0.10	X	2.66	X	1.00	X	1	=	0.27 SQ.MT
TOTAL								=	42.78 SQ.MT

ELECTRICT DUCT AREA DEDUCTION (Y3)

D1	0.43	X	2.28	X	1.00	X	1	=	0.98 SQ.MT
TOTAL								=	0.98 SQ.MT
TOTAL DEDUCTION (Y4) (Y1+Y2+Y3)								=	175.82 SQ.MT
TOTAL BUILT-UP AREA (Y5) (X-Y3)								=	262.27 SQ.MT
STAIRCASE, LIFT & LOBBY AREA COUNTED IN FSI (Y6)								=	42.78 SQ.MT
TOTAL BUILT-UP AREA (Y7) (Y5+Y6)								=	305.05 SQ.MT

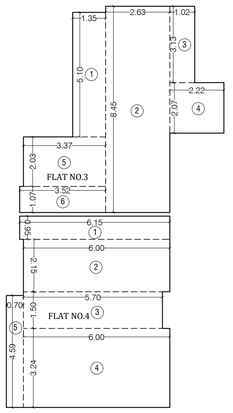
REFUGE AREA STATEMENT FOR 8TH(REFUGE) FLOOR (TOWER- B)

REFUGE AREA AT 8TH FLOOR	=	4% OF ABOVE HABITABLE AREA			
	=	4%	X	1243.55	
REFUGE REQUIRED	=	**49.74**			**SQ.MT**
REFUGE PROVIDED	=	**51.97**			**SQ.MT**
WITHIN 4.25 % REUGE AREA NOT COUNTED IN FSI	=	52.85			SQ.MT
EXCESS REUGE AREA COUNTED IN FSI	=	0.00			SQ.MT



RERA CARPET TYPICAL FLOOR PLAN (WING - B)

SCALE :- 1:100



I TO R FLATS BUILT-UP AREA CALCULATION 1ST TO 12TH FLOOR (WING-B)

FLAT NO.- 3

1	1.00	X	2.88	X	1.00	X	1	=	2.88 SQ.MT
"	0.35	X	2.80	X	1.00	X	1	=	0.98 SQ.MT
"	2.02	X	0.08	X	1.00	X	1	=	0.16 SQ.MT
2	3.95	X	2.98	X	1.00	X	1	=	11.77 SQ.MT
3	4.28	X	2.30	X	1.00	X	1	=	9.84 SQ.MT
4	2.22	X	2.45	X	1.00	X	1	=	5.44 SQ.MT
5	6.30	X	3.32	X	1.00	X	1	=	20.92 SQ.MT
			TOTAL					=	51.99 SQ.MT

FLAT NO.- 4

1	6.30	X	3.41	X	1.00	X	1	=	21.48 SQ.MT
2	6.00	X	1.12	X	1.00	X	1	=	6.72 SQ.MT
3	0.70	X	4.89	X	1.00	X	1	=	3.42 SQ.MT
4	6.30	X	3.54	X	1.00	X	1	=	22.30 SQ.MT
			TOTAL					=	53.93 SQ.MT

Total Commercial BUA

Zonal Basic FSI		6,008.38
REQ. Commercial BUA	20%	1201.68
Total proposed		9,215.85
REQUIRED 20% BUA OF Flat Having Carpet <50 sqm.		
Zonal Basic FSI		6,008.38
Reqd BUA	20%	1201.68
REQUIRED CARPET AREA = 1201.68/1.2		1001.40
TOTAL PROPOSED CARPET AREA		1219.35

RERA CARPET AREA TYPICAL FLOOR (WING- B)

FLAT NO.- 1

1	3.50	X	1.05	X	1.00	X	1	=	3.68 SQ.MT
2	3.35	X	1.05	X	1.00	X	1	=	3.52 SQ.MT
3	3.50	X	3.90	X	1.00	X	1	=	13.65 SQ.MT
4	2.55	X	1.35	X	1.00	X	1	=	3.44 SQ.MT
5	5.18	X	3.48	X	1.00	X	1	=	18.03 SQ.MT
6	3.05	X	1.07	X	1.00	X	1	=	3.26 SQ.MT
7	3.05	X	3.80	X	1.00	X	1	=	11.59 SQ.MT
8	2.32	X	1.35	X	1.00	X	1	=	3.13 SQ.MT
			TOTAL					=	60.30 SQ.MT

FLAT NO.- 2

1	3.58	X	3.90	X	1.00	X	1	=	13.96 SQ.MT
2	3.35	X	1.05	X	1.00	X	1	=	3.52 SQ.MT
3	3.50	X	1.05	X	1.00	X	1	=	3.68 SQ.MT
4	2.55	X	1.35	X	1.00	X	1	=	3.44 SQ.MT
5	5.02	X	3.48	X	1.00	X	1	=	17.47 SQ.MT
6	2.97	X	1.07	X	1.00	X	1	=	3.18 SQ.MT
7	3.13	X	3.80	X	1.00	X	1	=	11.89 SQ.MT
8	2.32	X	1.35	X	1.00	X	1	=	3.13 SQ.MT
			TOTAL					=	60.27 SQ.MT

FLAT NO.- 3

1	1.35	X	5.10	X	1.00	X	1	=	6.89 SQ.MT
2	2.63	X	8.45	X	1.00	X	1	=	22.22 SQ.MT
3	1.02	X	3.13	X	1.00	X	1	=	3.19 SQ.MT
4	2.22	X	2.07	X	1.00	X	1	=	4.60 SQ.MT
5	3.37	X	2.03	X	1.00	X	1	=	6.84 SQ.MT
6	3.52	X	1.07	X	1.00	X	1	=	3.77 SQ.MT
			TOTAL					=	47.50 SQ.MT

FLAT NO.- 4

1	6.15	X	0.95	X	1.00	X	1	=	5.84 SQ.MT
2	6.00	X	2.15	X	1.00	X	1	=	12.90 SQ.MT
3	5.70	X	1.50	X	1.00	X	1	=	8.55 SQ.MT
4	6.00	X	3.24	X	1.00	X	1	=	19.44 SQ.MT
5	0.70	X	4.59	X	1.00	X	1	=	3.21 SQ.MT
			TOTAL					=	49.95 SQ.MT

PROFORMA -B 07/10

CONTENTS OF SHEET

1st TO 7th & 9th TO 12th TYPICAL FLOOR PLAN
8th REFUGE FLOOR PLAN, RERA CARPET AREA.
LINE AREA DIA. & BUILT UP AREA CALCULATION, TERRACE FLOOR PLAN. (WING-B)

STAMP AND DATE OF APPROVAL OF PLAN

APPROVED SUBJECT TO THE CONDITION MENTIONED IN THIS OFFICE LETTER NO. CHE/ES/4273/L/337(NEW)

SHINDE SACHIN BALAKRISHNA S.E.(B.P.)L/W	YATISH SHIRISH RANDERIA A.E.(B.P.)L&N	Patil Deelip Parasharam E.E.(B.P.)ES-I

DESCRIPTION OF PROPOSAL & PROPERTY

PROPOSED DEVELOPMENT ON LAND BEARING C.T.S.NO. 657 OF VILLAGE MOHILI OF TALUKA KURLA (W), IN 'L' WARD, MUMBAI.

JOB. NO.	DRG. NO.	DRAWN BY
-	07/10	
SCALE	DATE	CHECKED BY
1:100		

DESCRIPTION :

NAME AND ADDRESS OF DESIGN ARCHITECT

MANDVIWALA QUTUB& ASSOCIATES. 9/10 ,TURF ESTATE, SHAKTI MILL COMPOUND LANE, MAHALAXMI (w), MUMBAI - 11

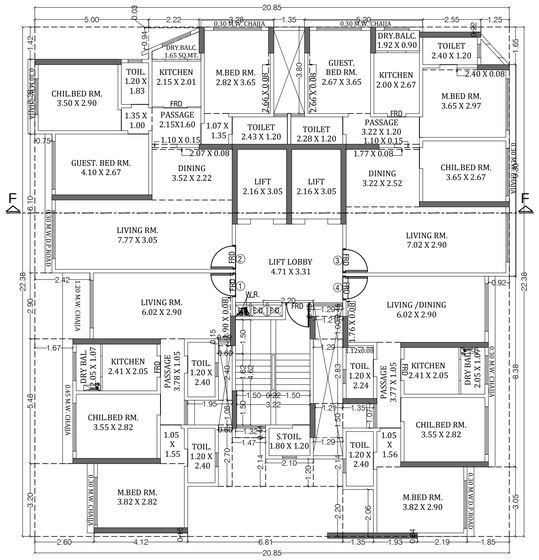
NAME OF THE OWNER	SIGNATURE
LANDCARE REALITY LLP.	DHANNAL AL P JAIN Digitally signed by DHANNALAL P JAIN Date: 2020.09.09 17:57:32 +05'30'

NAME ADDRESS AND SIGNATURE OF LICENSED SURVEYER | **SIGNATURE**

SPACEAGE CONSULTANTS

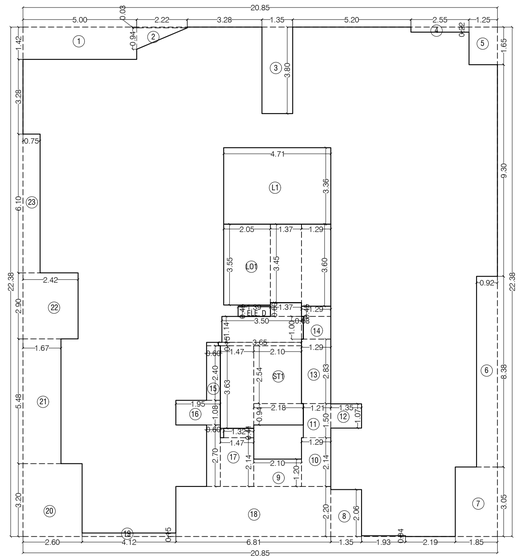
B-106, Natraj Building,
Mulund Goregaon Link Road
Mulund (w), Mumbai : 4000 80

Shashikant Laxman Jadhav



1st FLOOR PLAN (WING - C)

SCALE :- 1:100

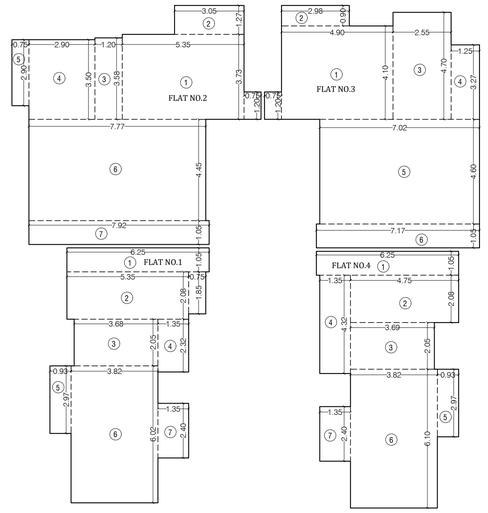


LINE DIAGRAM OF 1st FLOOR PLAN (WING-C)

SCALE :- 1:100

BUILT UP AREA CALCULATION OF 1ST FLOOR(WING -C)

ADDITION (X)										
A	20.85	X	22.38	X	1.00	X	1	=	466.62	SQ.MT
TOTAL								=	**466.62**	**SQ.MT**
STANDARD DEDUCTION (Y1)										
1	5.00	X	1.42	X	1.00	X	1	=	7.10	SQ.MT
2	2.22	X	0.03	X	1.00	X	1	=	0.07	SQ.MT
"	2.22	X	0.94	X	0.50	X	1	=	1.04	SQ.MT
3	1.35	X	3.80	X	1.00	X	1	=	5.13	SQ.MT
4	2.55	X	0.22	X	1.00	X	1	=	0.56	SQ.MT
5	1.25	X	1.65	X	1.00	X	1	=	2.06	SQ.MT
6	0.92	X	8.38	X	1.00	X	1	=	7.71	SQ.MT
7	1.85	X	3.05	X	1.00	X	1	=	5.64	SQ.MT
"	1.93	X	0.04	X	1.00	X	1	=	0.08	SQ.MT
8	1.35	X	2.06	X	1.00	X	1	=	2.78	SQ.MT
9	2.10	X	1.20	X	1.00	X	1	=	2.52	SQ.MT
10	1.29	X	2.14	X	1.00	X	1	=	2.76	SQ.MT
11	1.21	X	1.50	X	1.00	X	1	=	1.82	SQ.MT
12	1.35	X	1.07	X	1.00	X	1	=	1.44	SQ.MT
13	1.29	X	2.83	X	1.00	X	1	=	3.65	SQ.MT
14	1.21	X	1.00	X	1.00	X	1	=	1.21	SQ.MT
"	1.29	X	0.45	X	1.00	X	1	=	0.58	SQ.MT
15	0.60	X	2.40	X	1.00	X	1	=	1.44	SQ.MT
"	0.52	X	0.15	X	1.00	X	1	=	0.08	SQ.MT
16	1.95	X	1.08	X	1.00	X	1	=	2.11	SQ.MT
"	0.60	X	2.70	X	1.00	X	1	=	1.62	SQ.MT
17	1.47	X	2.14	X	1.00	X	1	=	3.15	SQ.MT
"	1.32	X	0.41	X	1.00	X	1	=	0.54	SQ.MT
18	6.81	X	2.20	X	1.00	X	1	=	14.98	SQ.MT
19	4.12	X	0.15	X	1.00	X	1	=	0.62	SQ.MT
20	2.60	X	3.20	X	1.00	X	1	=	8.32	SQ.MT
21	1.67	X	5.48	X	1.00	X	1	=	9.15	SQ.MT
22	2.42	X	2.90	X	1.00	X	1	=	7.02	SQ.MT
23	0.75	X	6.10	X	1.00	X	1	=	4.58	SQ.MT
SER.TOI.	2.20	X	1.00	X	1.00	X	1	=	2.20	SQ.MT
TOTAL								=	**101.95**	**SQ.MT**
STAIRCASE, LIFT & LOBBY AREA DEDUCTION (Y2)										
ST1	2.10	X	2.54	X	1.00	X	1	=	5.33	SQ.MT
"	2.18	X	0.94	X	1.00	X	1	=	2.06	SQ.MT
"	1.47	X	3.63	X	1.00	X	1	=	5.34	SQ.MT
"	3.65	X	0.15	X	1.00	X	1	=	0.55	SQ.MT
"	3.50	X	1.14	X	1.00	X	1	=	3.99	SQ.MT
"	0.08	X	1.00	X	1.00	X	1	=	0.08	SQ.MT
"	1.37	X	0.60	X	1.00	X	1	=	0.82	SQ.MT
L1	4.71	X	3.36	X	1.00	X	1	=	15.83	SQ.MT
LO1	2.05	X	3.55	X	1.00	X	1	=	7.28	SQ.MT
"	1.37	X	3.45	X	1.00	X	1	=	4.73	SQ.MT
"	1.29	X	3.60	X	1.00	X	1	=	4.64	SQ.MT
TOTAL								=	**50.64**	**SQ.MT**
ELE.DUCT AREA DEDUCTION (Y3)										
ELE.	1.39	X	0.45	X	1.00	X	1	=	0.63	SQ.MT
TOTAL DEDUCTION (Y4) (Y1+Y2+Y3)								=	**153.22**	**SQ.MT**
TOTAL BUILT-UP AREA (Y5) (X-Y4)								=	**313.40**	**SQ.MT**
STAIRCASE, LIFT & LOBBY AREA COUNTED IN FSI (Y6)									**50.64**	
TOTAL BUILT-UP AREA (Y7) (Y5+Y6)								=	**364.04**	**SQ.MT**



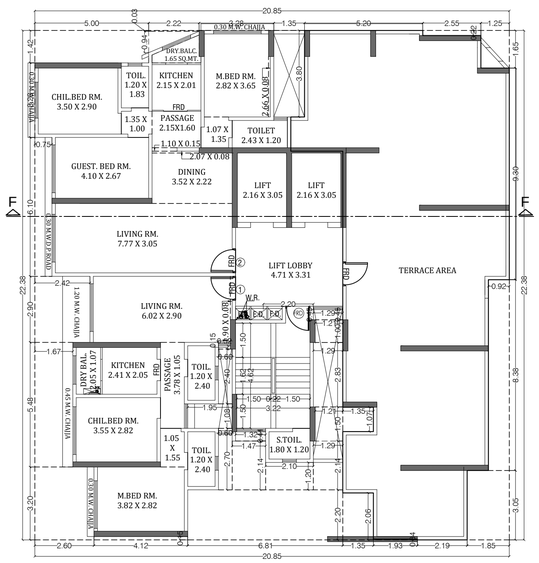
RERA CARPET TYPICAL FLOOR PLAN (WING - E)

SCALE :- 1:100

RERA CARPET AREA TYPICAL FLOOR

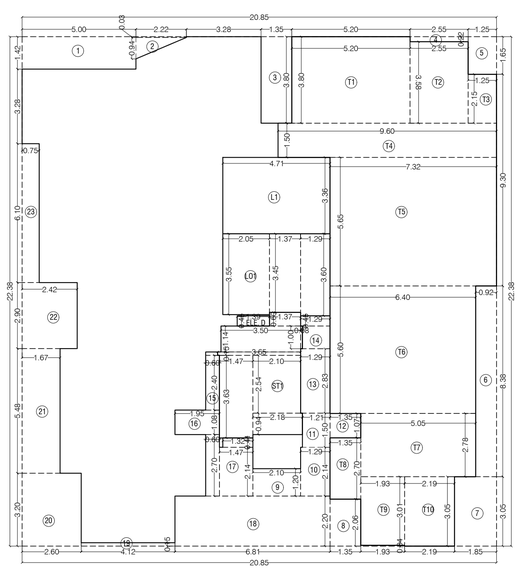
(WING- C)

FLAT NO.- 1									
1	6.25	X	1.05	X	1.00	X	1	=	6.56 SQ.MT
2	5.35	X	2.08	X	1.00	X	1	=	11.13 SQ.MT
"	0.75	X	1.85	X	1.00	X	1	=	1.39 SQ.MT
3	3.68	X	2.05	X	1.00	X	1	=	7.54 SQ.MT
4	1.35	X	2.32	X	1.00	X	1	=	3.13 SQ.MT
5	0.93	X	2.97	X	1.00	X	1	=	2.76 SQ.MT
6	3.82	X	6.02	X	1.00	X	1	=	23.00 SQ.MT
7	1.35	X	2.40	X	1.00	X	1	=	3.24 SQ.MT
TOTAL								=	**58.75 SQ.MT**
FLAT NO.- 2									
1	5.35	X	3.73	X	1.00	X	1	=	19.96 SQ.MT
"	0.75	X	1.20	X	1.00	X	1	=	0.90 SQ.MT
2	3.05	X	1.27	X	1.00	X	1	=	3.87 SQ.MT
3	1.20	X	3.58	X	1.00	X	1	=	4.30 SQ.MT
4	2.90	X	3.50	X	1.00	X	1	=	10.15 SQ.MT
5	0.75	X	2.90	X	1.00	X	1	=	2.18 SQ.MT
6	7.77	X	4.45	X	1.00	X	1	=	34.58 SQ.MT
7	7.92	X	1.05	X	1.00	X	1	=	8.32 SQ.MT
TOTAL								=	**84.24 SQ.MT**
FLAT NO.- 3									
1	4.90	X	4.10	X	1.00	X	1	=	20.09 SQ.MT
"	0.75	X	1.20	X	1.00	X	1	=	0.90 SQ.MT
2	2.98	X	0.90	X	1.00	X	1	=	2.68 SQ.MT
3	2.55	X	4.70	X	1.00	X	1	=	11.99 SQ.MT
4	1.25	X	3.27	X	1.00	X	1	=	4.09 SQ.MT
5	7.02	X	4.60	X	1.00	X	1	=	32.29 SQ.MT
6	7.17	X	1.05	X	1.00	X	1	=	7.53 SQ.MT
TOTAL								=	**79.57 SQ.MT**
FLAT NO.- 4									
1	6.25	X	1.05	X	1.00	X	1	=	6.56 SQ.MT
2	4.75	X	2.08	X	1.00	X	1	=	9.88 SQ.MT
3	3.69	X	2.05	X	1.00	X	1	=	7.56 SQ.MT
4	1.35	X	4.32	X	1.00	X	1	=	5.83 SQ.MT
5	0.93	X	2.97	X	1.00	X	1	=	2.76 SQ.MT
6	3.82	X	6.10	X	1.00	X	1	=	23.29 SQ.MT
7	1.35	X	2.40	X	1.00	X	1	=	3.24 SQ.MT
TOTAL								=	**59.13 SQ.MT**



2nd PART TERRACE FLOOR PLAN (WING-C)

SCALE :- 1:100

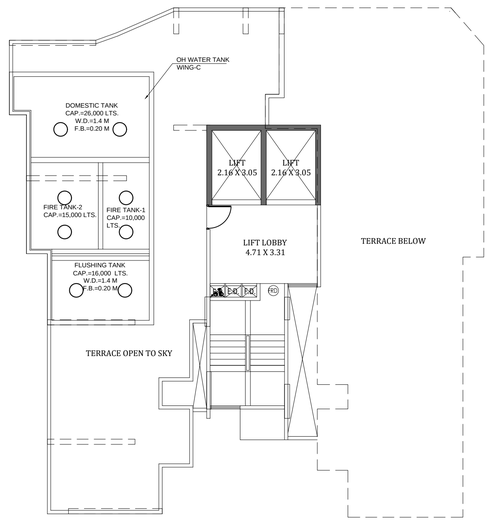


LINE DIAGRAM OF 2ND PART TERRACE FLOOR PLAN (WING-C)

SCALE :- 1:100

BUILT UP AREA CALCULATION OF 2nd PART TERRACE FLOOR (WING -C)

ADDITION (X)										
A	20.85	X	22.38	X	1.00	X	1	=	466.62	SQ.MT
TOTAL								=	**466.62**	**SQ.MT**
STANDARD DEDUCTION (Y1)										
1	5.00	X	1.42	X	1.00	X	1	=	7.10	SQ.MT
2	2.22	X	0.03	X	1.00	X	1	=	0.07	SQ.MT
"	2.22	X	0.94	X	0.50	X	1	=	1.04	SQ.MT
3	1.35	X	3.80	X	1.00	X	1	=	5.13	SQ.MT
4	2.55	X	0.22	X	1.00	X	1	=	0.56	SQ.MT
5	1.25	X	1.65	X	1.00	X	1	=	2.06	SQ.MT
6	0.92	X	8.38	X	1.00	X	1	=	7.71	SQ.MT
7	1.85	X	3.05	X	1.00	X	1	=	5.64	SQ.MT
"	1.93	X	0.04	X	1.00	X	1	=	0.08	SQ.MT
8	1.35	X	2.06	X	1.00	X	1	=	2.78	SQ.MT
9	2.10	X	1.20	X	1.00	X	1	=	2.52	SQ.MT
10	1.29	X	2.14	X	1.00	X	1	=	2.76	SQ.MT
11	1.21	X	1.50	X	1.00	X	1	=	1.82	SQ.MT
12	1.35	X	1.07	X	1.00	X	1	=	1.44	SQ.MT
13	1.29	X	2.83	X	1.00	X	1	=	3.65	SQ.MT
14	1.21	X	1.00	X	1.00	X	1	=	1.21	SQ.MT
"	1.29	X	0.45	X	1.00	X	1	=	0.58	SQ.MT
15	0.60	X	2.40	X	1.00	X	1	=	1.44	SQ.MT
"	0.52	X	0.15	X	1.00	X	1	=	0.08	SQ.MT
16	1.95	X	1.08	X	1.00	X	1	=	2.11	SQ.MT
"	0.60	X	2.70	X	1.00	X	1	=	1.62	SQ.MT
17	1.47	X	2.14	X	1.00	X	1	=	3.15	SQ.MT
"	1.32	X	0.41	X	1.00	X	1	=	0.54	SQ.MT
18	6.81	X	2.20	X	1.00	X	1	=	14.98	SQ.MT
19	4.12	X	0.15	X	1.00	X	1	=	0.62	SQ.MT
20	2.60	X	3.20	X	1.00	X	1	=	8.32	SQ.MT
21	1.67	X	5.48	X	1.00	X	1	=	9.15	SQ.MT
22	2.42	X	2.90	X	1.00	X	1	=	7.02	SQ.MT
23	0.75	X	6.10	X	1.00	X	1	=	4.58	SQ.MT
SER.TOI.	2.20	X	1.00	X	1.00	X	1	=	2.20	SQ.MT
TOTAL								=	**101.95**	**SQ.MT**
STAIRCASE, LIFT & LOBBY AREA DEDUCTION (Y2)										
ST1	2.10	X	2.54	X	1.00	X	1	=	5.33	SQ.MT
"	2.18	X	0.94	X	1.00	X	1	=	2.06	SQ.MT
"	1.47	X	3.63	X	1.00	X	1	=	5.34	SQ.MT
"	3.65	X	0.15	X	1.00	X	1	=	0.55	SQ.MT
"	3.50	X	1.14	X	1.00	X	1	=	3.99	SQ.MT
"	0.08	X	1.00	X	1.00	X	1	=	0.08	SQ.MT
"	1.37	X	0.60	X	1.00	X	1	=	0.82	SQ.MT
L1	4.71	X	3.36	X	1.00	X	1	=	15.83	SQ.MT
LO1	2.05	X	3.55	X	1.00	X	1	=	7.28	SQ.MT
"	1.37	X	3.45	X	1.00	X	1	=	4.73	SQ.MT
"	1.29	X	3.60	X	1.00	X	1	=	4.64	SQ.MT
TOTAL								=	**50.64**	**SQ.MT**
ELE.DUCT AREA DEDUCTION (Y3)										
ELE.	1.39	X	0.45	X	1.00	X	1	=	0.63	SQ.MT
TOTAL								=	**0.63**	**SQ.MT**
TERRACE AREA DEDUCTION (Y4)										
T1	5.20	X	3.80	X	1.00	X	1	=	19.76	SQ.MT
T2	2.55	X	3.58	X	1.00	X	1	=	9.13	SQ.MT
T3	1.25	X	2.15	X	1.00	X	1	=	2.69	SQ.MT
T4	9.60	X	1.50	X	1.00	X	1	=	14.40	SQ.MT
T5	7.32	X	5.65	X	1.00	X	1	=	41.36	SQ.MT
T6	6.40	X	5.60	X	1.00	X	1	=	35.84	SQ.MT
T7	5.05	X	2.78	X	1.00	X	1	=	14.04	SQ.MT
T8	1.35	X	2.70	X	1.00	X	1	=	3.65	SQ.MT
T9	1.93	X	3.01	X	1.00	X	1	=	5.81	SQ.MT
T10	2.19	X	3.05	X	1.00	X	1	=	6.68	SQ.MT
TOTAL								=	**153.35**	**SQ.MT**
TOTAL DEDUCTION (Y5) (Y1+Y2+Y3+Y4)								=	**306.57**	**SQ.MT**
TOTAL BUILT-UP AREA (Y6) (X-Y5)								=	**160.06**	**SQ.MT**
STAIRCASE, LIFT & LOBBY AREA COUNTED IN FSI (Y7)									**50.64**	**SQ.MT**
NET BUILT-UP AREA (Y8) (Y6+Y7)								=	**210.70**	**SQ.MT**



TERRACE FLOOR PLAN (WING - C)

SCALE :- 1:100

PROFORMA -B	08/10

1st & 2nd TYPICAL FLOOR PLAN ,RERA CARPET AREA, LINE AREA DIA. & BUILT UP AREA ,CALCULATION TERRACE FLOOR PLAN. (WING-C)

APPROVED SUBJECT TO THE CONDITION MENTIONED IN THIS OFFICE LETTER NO. CHE/ES/4273/L/337(NEW)

SHINDE SACHIN BALAKRISHNA	YATISH SHIRISH RANDERIA	Patil Deelip Parashram
S.E.(B.P.)L/W	A.E.(B.P.)L&N	E.E.(B.P.)ES-I

DESCRIPTION OF PROPOSAL & PROPERTY

PROPOSED DEVELOPMENT ON LAND PLOT BEARING C.T.S.NO. 657 OF VILLAGE MOHILI OF TALUKA KURLA (W), IN 'L' WARD, MUMBAI.

JOB. NO.	DRG. NO.	DRAWN BY
-	08/10	
SCALE	**DATE**	**CHECKED BY**
1:100		

DESCRIPTION :

NAME AND ADDRESS OF DESIGN ARCHITECT

MANDVIWALA QUTUB& ASSOCIATES. 9/10 ,TURF ESTATE, SHAKTI MILL COMPOUND LANE, MAHALAXMI (w), MUMBAI - 11

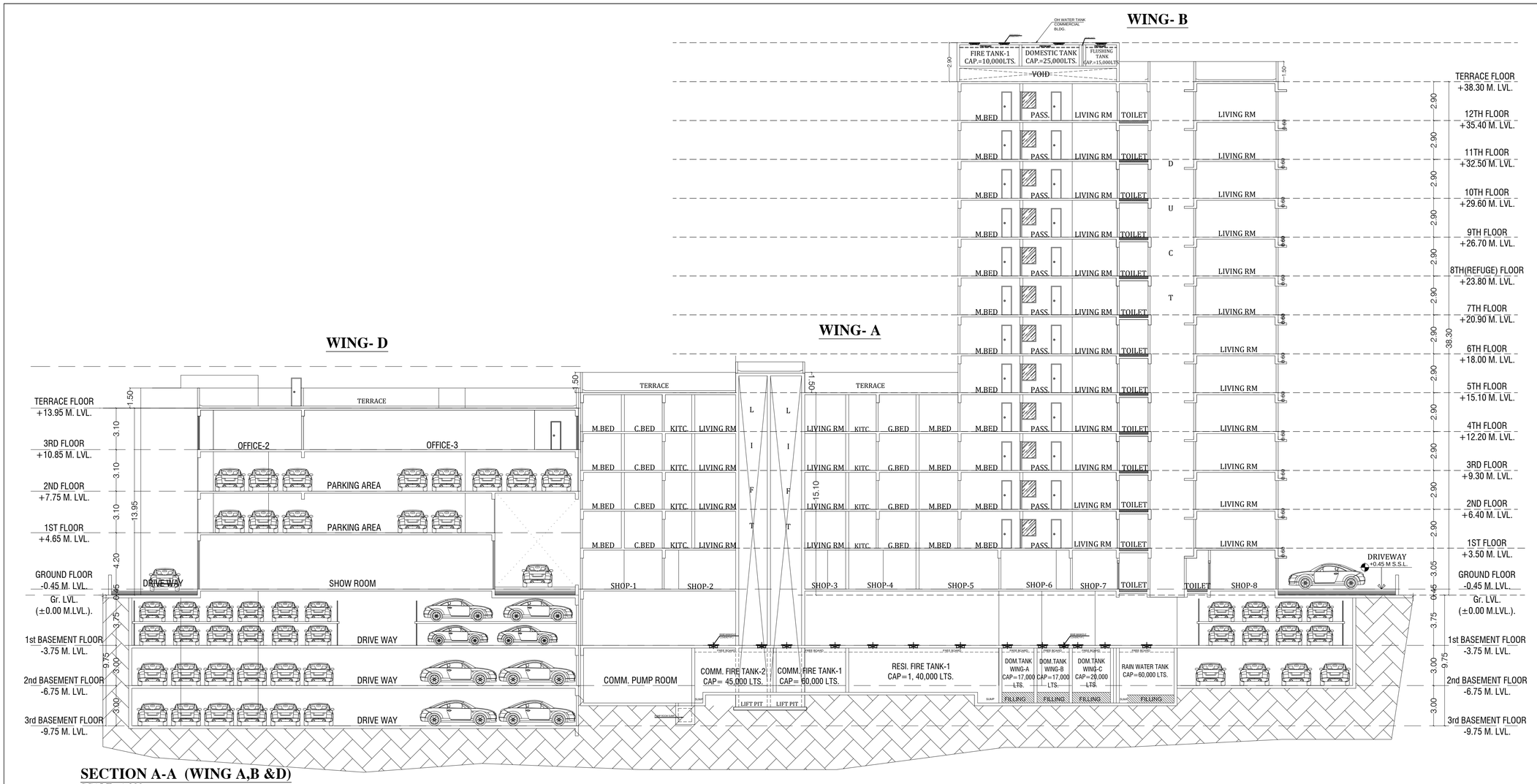
NAME OF THE OWNER	SIGNATURE
LANDCARE REALITY LLP.	DHANNALAL P JAIN

NAME ADDRESS AND SIGNATURE OF LICENSED SURVEYER | SIGNATURE

SPACE AGE CONSULTANTS

B-106, Natraj Building,
Mulund Goregaon Link Road
Mulund (w), Mumbai : 4000 80

Shashikant Laxman Jadhav



SECTION A-A (WING A,B &D)
SCALE - 1:200

PROFORMA -B | 9/10

CONTENTS OF SHEET

1ST BASEMENT FLOOR PLAN.

APPROVED SUBJECT TO THE CONDITION MENTIONED IN THIS OFFICE LETTER NO. CHE/ES/4273/L/337(NEW)

SHINDE SACHIN BALAKRISHNA — S.E.(B.P.)L/W
YATISH SHIRISH RANDERIA — A.E.(B.P.)L&N
Patil Deelip Parasharam — E.E.(B.P.)ES-I

DESCRIPTION OF PROPOSAL & PROPERTY

PROPOSED DEVELOPMENT ON LAND BEARING C.T.S.NO. 657 OF VILLAGE MOHILI OF TALUKA KURLA (W), IN 'L' WARD, MUMBAI.

JOB. NO.	DRG. NO.	DRAWN BY
-	9/10	
SCALE	DATE	CHECKED BY
1:200		

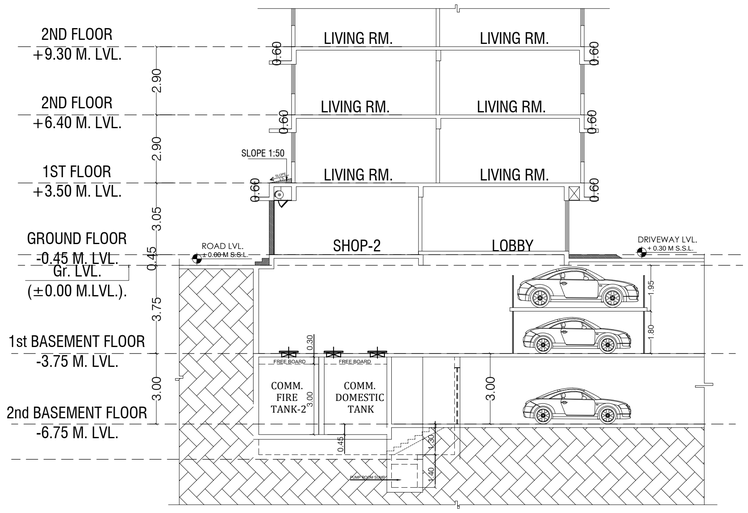
DESCRIPTION :

NAME AND ADDRESS OF DESIGN ARCHITECT

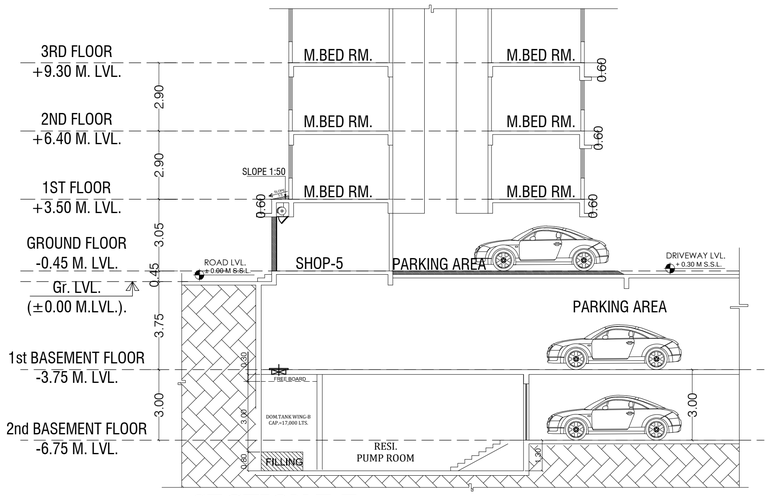
MANDVIWALA QUTUB& ASSOCIATES. 9/10 ,TURF ESTATE, SHAKTI MILL COMPOUND LANE, MAHALAXMI (w), MUMBAI - 11

NAME OF THE OWNER	SIGNATURE
LANDCARE REALTY LLP Orbit Plaza, 601, 6th Floor, New Prabhadevi Marg Prabhadevi Mumbai 400 025.	DHANNALAL P JAIN Digitally signed by DHANNALAL P JAIN Date: 2020.09.09 17:58:38 +05'30'

NAME ADDRESS AND SIGNATURE OF CONSULTANTS (L.S.)	SIGNATURE
SPACEAGE CONSULTANTS B-106, Natraj Building, Mulund Goregaon Link Road Mulund (w), Mumbai : 4000 80	Shashikant Laxman jadhav

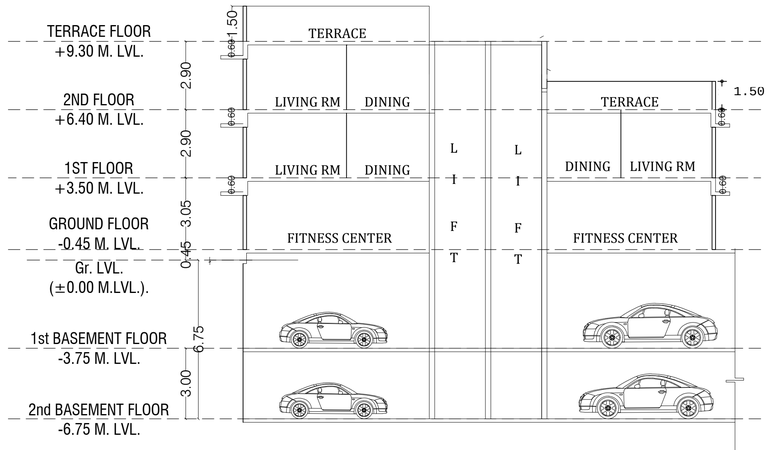


SECTION D-D
SCALE - 1:200



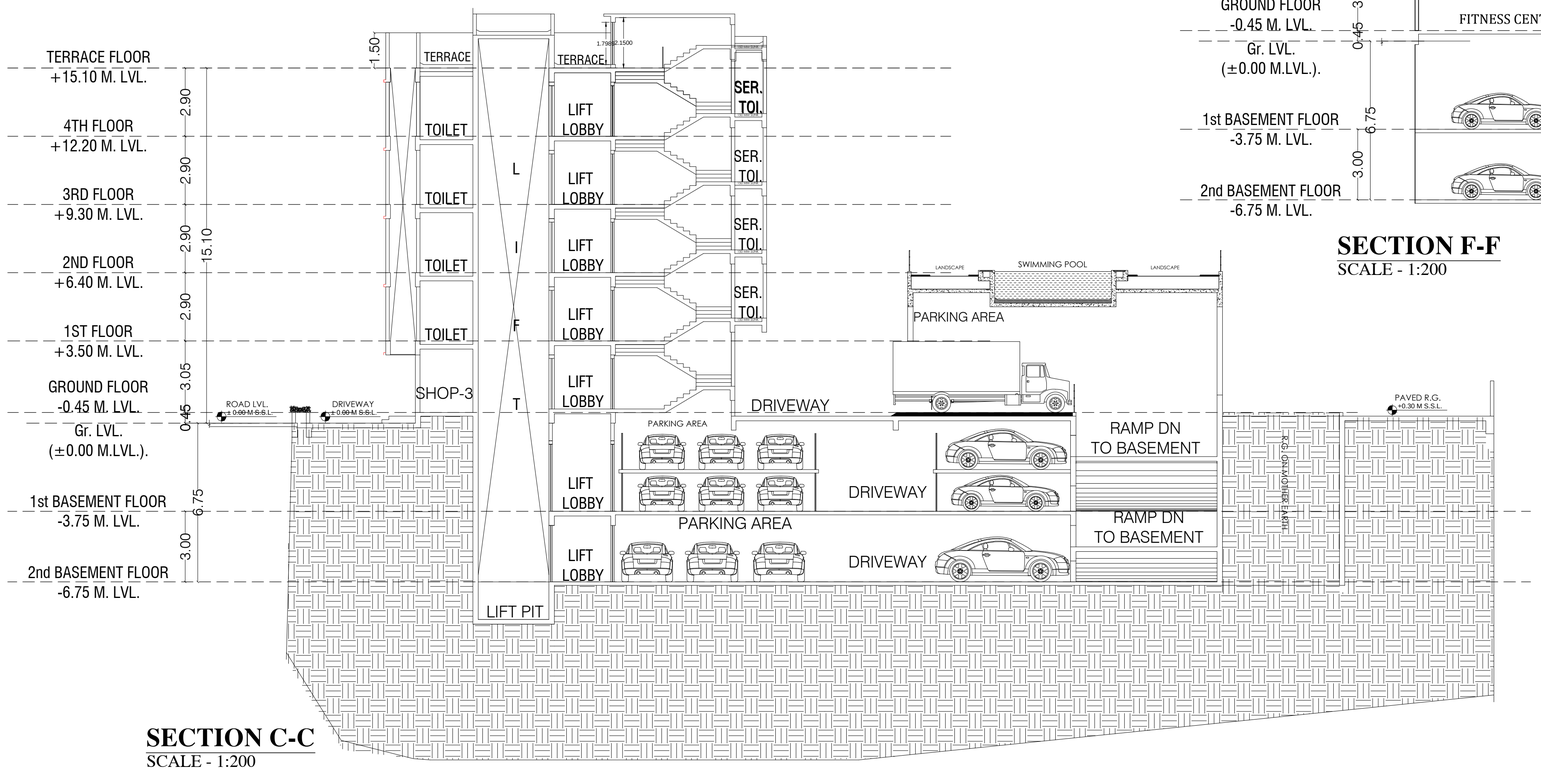
SECTION E-E
SCALE - 1:200

WING- C



SECTION F-F
SCALE - 1:200

WING- A



SECTION C-C
SCALE - 1:200

PROFORMA -B	10/10

CONTENTS OF SHEET

SECTION C-C,D-D,E-E & F-F

APPROVED SUBJECT TO THE CONDITION MENTIONED IN THIS OFFICE LETTER NO. CHE/ES/4273/L/337(NEW)

S.E.(B.P.)L/W	A.E.(B.P.)L&N	E.E.(B.P.)ES-I

DESCRIPTION OF PROPOSAL & PROPERTY

PROPOSED DEVELOPMENT ON LAND BEARING
C.T.S.NO. 657 OF VILLAGE MOHILI OF TALUKA KURLA (W),
IN 'L' WARD, MUMBAI.

JOB. NO.	DRG. NO.	DRAWN BY
-	10/10	
SCALE	**DATE**	**CHECKED BY**
1:200		

DESCRIPTION :

NAME AND ADDRESS OF DESIGN ARCHITECT

MANDVIWALA QUTUB& ASSOCIATES. 9/10 ,TURF
ESTATE, SHAKTI MILL COMPOUND LANE,
MAHALAXMI (w), MUMBAI - 11

NAME OF THE OWNER	SIGNATURE
LANDCARE REALTY LLP Orbit Plaza, 601, 6th Floor, New Prabhadevi Marg Prabhadevi Mumbai 400 025.	DHANNALAL P JAIN Digitally signed by DHANNALAL P JAIN Date: 2020.09.09 17:59:16 +05'30'

NAME ADDRESS AND SIGNATURE OF CONSULTANTS (L.S.)	SIGNATURE
SPACEAGE CONSULTANTS B-106, Natraj Building, Mulund Goregaon Link Road Mulund (w), Mumbai : 4000 80	Shashikant Laxman jadhav

MUNICIPAL CORPORATION OF GREATER MUMBAI

FORM 'A'

MAHARASHTRA REGIONAL AND TOWN PLANNING ACT, 1966

No CHE/ES/4273/L/337(NEW)/CC/1/New

COMMENCEMENT CERTIFICATE

To,
LANDCARE REALTY LLP
601,Orbit Plaza, 6th floor, New Prabhadevi Road,
Prabhadevi, Mumbai. 400 025.

Sir,

With reference to your application No. **CHE/ES/4273/L/337(NEW)/CC/1/New** Dated. **11 Oct 2018** for Development Permission and grant of Commencement Certificate under Section 44 & 69 of the Maharashtra Regional and Town Planning Act, 1966, to carry out development and building permission under Section 346 no 337 (New) dated **11 Oct 2018** of the Mumbai Municipal Corporation Act 1888 to erect a building in Building development work of on plot No. **-** C.T.S. No. **657** Division / Village / Town Planning Scheme No. **MOHILI** situated at **Saki Viha road** Road / Street in **L Ward** Ward .

The Commencement Certificate / Building Permit is granted on the following conditions:--

1. The land vacated on consequence of the endorsement of the setback line/ road widening line shall form part of the public street.
2. That no new building or part thereof shall be occupied or allowed to be occupied or used or permitted to be used by any person until occupancy permission has been granted.
3. The Commencement Certificate/Development permission shall remain valid for one year commencing from the date of its issue.
4. This permission does not entitle you to develop land which does not vest in you.
5. This Commencement Certificate is renewable every year but such extended period shall be in no case exceed three years provided further that such lapse shall not bar any subsequent application for fresh permission under section 44 of the Maharashtra Regional and Town Planning Act, 1966.
6. This Certificate is liable to be revoked by the Municipal Commissioner for Greater Mumbai if :-
   a. The Development work in respect of which permission is granted under this certificate is not carried out or the use thereof is not in accordance with the sanctioned plans.
   b. Any of the conditions subject to which the same is granted or any of the restrictions imposed by the Municipal Commissioner for Greater Mumbai is contravened or not complied with.
   c. The Municipal Commissioner of Greater Mumbai is satisfied that the same is obtained by the applicant through fraud or misrepresentation and the applicant and every person deriving title through or under him in such an event shall be deemed to have carried out the development work in contravention of Section 43 or 45 of the Maharashtra Regional and Town Planning Act, 1966.
7. The conditions of this certificate shall be binding not only on the applicant but on his heirs, executors, assignees, administrators and successors and every person deriving title through or under him.

The Municipal Commissioner has appointed Shri. **Executive Engineer BP ES-I** Executive Engineer to exercise his powers and functions of the Planning Authority under Section 45 of the said Act.

This CC is valid upto 24/3/2022

Issue On : 25 Mar 2021 Valid Upto : 24 Mar 2022

Application Number : CHE/ES/4273/L/337(NEW)/CC/1/New

Remark :

C.C. up to top of Basement i.e. 0.45mt AGL as per the approved IOD plans dated 10.09.2020 .

Name : Bajirao Lahu Patil
Designation : Executive Engineer
Organization : Personal
Date : 25-Mar-2021 19: 32:32

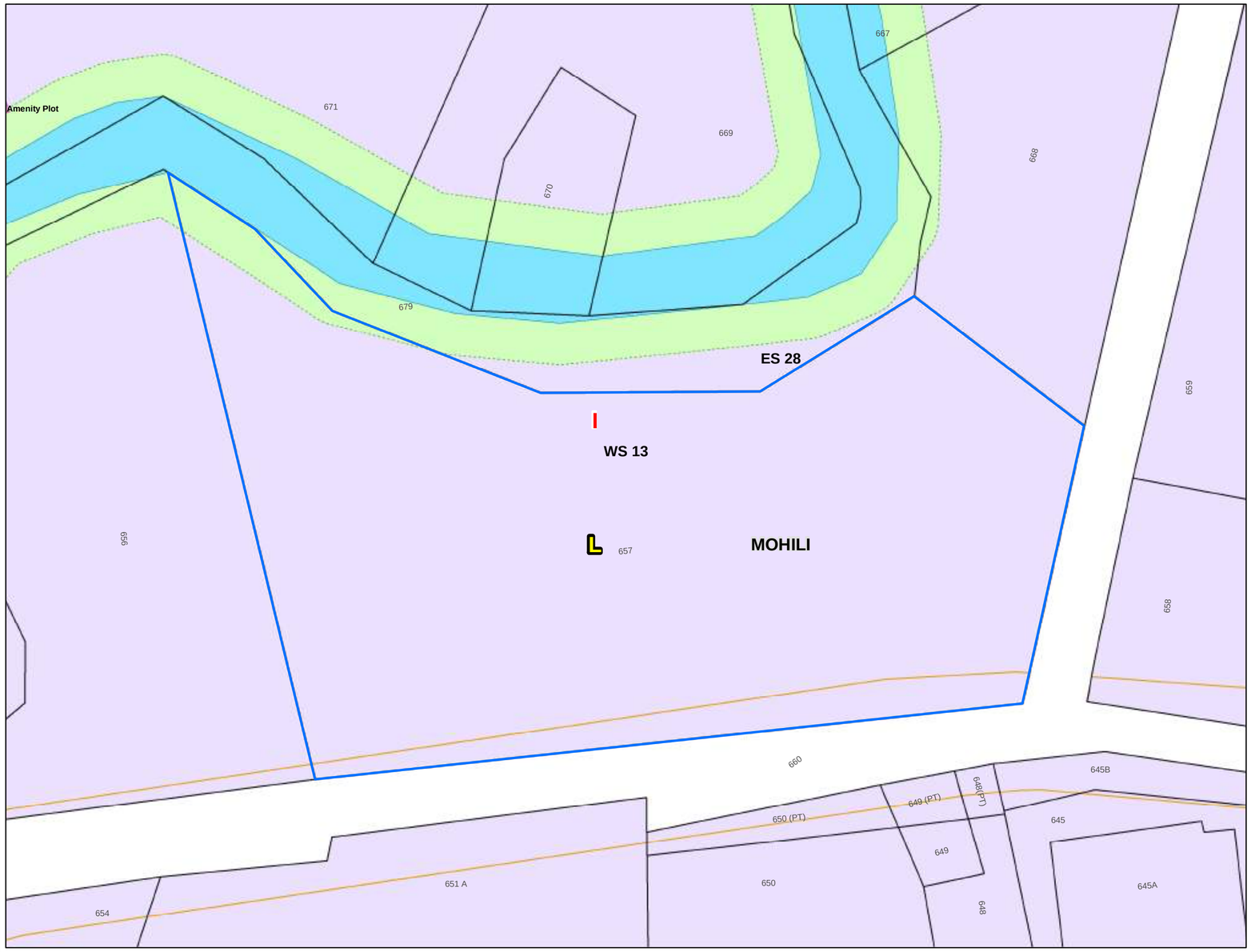
For and on behalf of Local Authority
Municipal Corporation of Greater Mumbai

Executive Engineer . Building Proposal

Eastern Suburb L Ward Ward

Cc to :

1. Architect.
2. Collector Mumbai Suburban /Mumbai District.

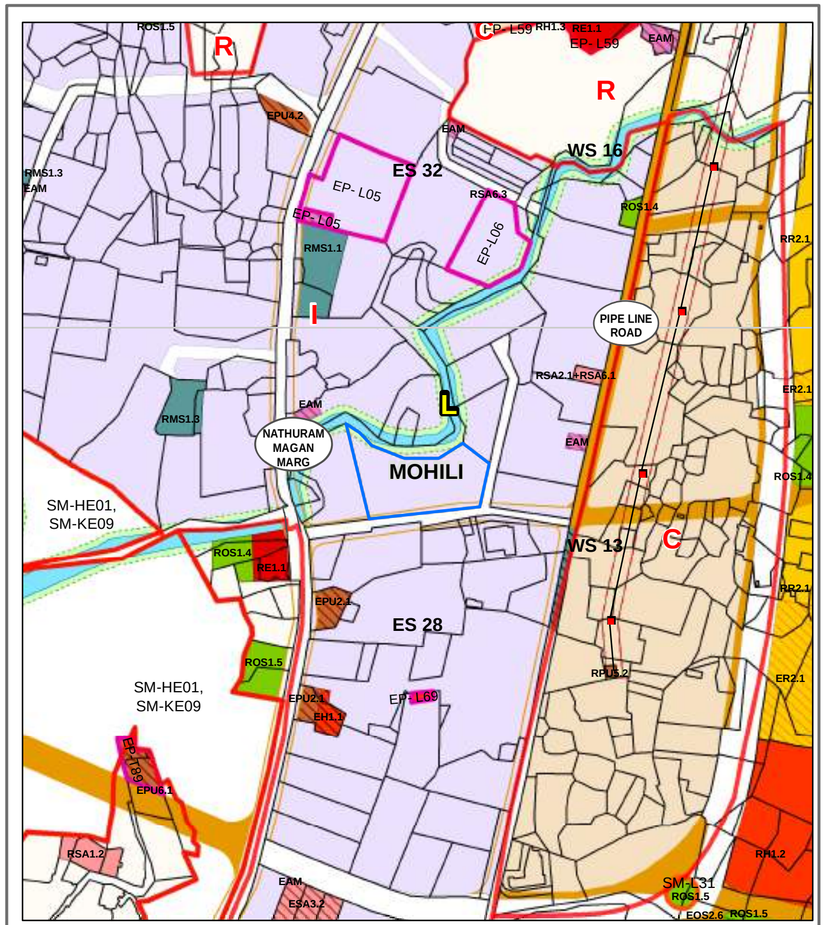


N

BLOCK PLAN

Scale 1:500

Land Bearing C.T.S.No(s) 657 of MOHILI Village in L Ward



N

LOCATION PLAN

Scale 1:4000

Note:

DP Remarks have been offered only from Zoning point of view without any reference to the existing and status of the structures on the land under reference etc.
This plan is to be read with letter under

CHE/DP34201904111218253/DP/ES/L

This is an electronically generated document. Hence NO signature required. Assistant Engineer (DP), L Ward. Dated: 24/04/2019

MUNICIPAL CORPORATION OF GREATER MUMBAI
(Development Plan Department)

Development Plan 2034

Office of the Chief Engineer (Development Plan),

5th Floor, Annexe Building,

Municipal Head Office,

Mahapalika Marg, Fort, MUMBAI - 400 001.

MUNICIPAL CORPORATION OF GREATER MUMBAI

NO. Ch.E./DP34201904111218253 D.P. Rev. dt. Refer Inward Number: L/2019/111218259 Payment Dated 24/04/2019

Office of the Chief Engineer (Development Plan)
Municipal Head Office, 5th Floor,
Annex Building, Fort,
Mumbai - 400 001

To,

Mr./Mrs. shashikant laxman jadhav
B-106,natraj bldg mulund goregaon link road,mulund west

Sub: Development Plan 2034 remarks in respect to Land Bearing C.T.S. No(s) 657 of MOHILI Village situated in L Ward, Mumbai.

Ref : Application u/no. L/2019/111218259 Payment Challan No. DP34201904111218253 Dated 24/04/2019 certifying payment of charges made under Receipt no. 18200017810 Dated 24/04/2019

Gentleman/Madam,

With reference to above, Development Plan 2034 remarks sanctioned by GoM in respect of subject land boundaries, shown in blue color boundary on the accompanied plan, are as follows.

Description	Nomenclature	Remarks
CTS No.	657	
Village	MOHILI	
Development Plan 2034 referred to Ward	L	
Zone [as shown on plan]	Industrial(I)	
Roads affecting the Land [as shown on plan]	Existing Road	Present
	Proposed Road	NIL
	Proposed Road Widening	Proposed Road 18.3 m
Reservation affecting the Land [as shown on plan]	NO	
Reservation abutting the Land [as shown on plan]	NO	
Existing amenities affecting the Land [as shown on plan]	NO	
Existing amenities abutting the Land [as shown on plan]	NO	
Whether a listed Heritage building/ site:	~~Yes~~ / No	
Whether situated in a Heritage Precinct:	~~Yes~~ / No	
Whether situated in the buffer zone/Vista of a listed Grade- I heritage site:	~~Yes~~ / No	
Whether a listed archaeological site (ASI):	~~Yes~~ / No	
Whether situated in the buffer zone/Vista of a listed archaeological site (ASI):	~~Yes~~ / No	

Note:

The remarks are offered based on the records of CS/CTS boundaries/CS/CTS Nos available with this office. However the boundaries shown in the records of City Survey Office shall supersede those shown on the DP Remarks Plan.

Demarcation: The Alignment of the proposed road/R.L. and boundaries of reservations and their area are subject to the actual demarcation on site by E.E.T&C./A.E.(Survey) as case may be.

Remarks are offered only from the zoning point of view without reference to ownership and without carrying out actual site inspection and without verification of the status of the structures if any on the land under reference. Status of the existing road, if any, shall be confirmeed from the concerned Ward Office.

The DP Remarks and Plan shall be read with notification no. TPB.4317/629/CR-118/2017/UD-11 dt. 8.11.2017, TPB.4317/778/CR-267/2017/UD-11 dt. 7.2.2018, TPB.4317/629/CR-118/2017/DP/UD-11 dt 8.5.2018 & TPB.4317/629/CR-118/2017/EP/UD-11 dt.8.5.2018 before granting any development permission on the land/s. (For the Sanctioned Modification & Excluded Portion the link for notification is as under:-

Notifications:

MCGM Home Page (portal.mcgm.gov.in)> Ward & Departments> Chief Engineer - Development Plan>Docs> Sanctioned DP2034

Plans:

EP Sheets:- MCGM Home Page (portal.mcgm.gov.in)> Ward & Departments> Chief Engineer - Development Plan>Docs> Sanctioned DP2034> Development Plan 2034 (Excluded Part) EP Sheets, 8th May 2018 - For Suggestions / objections by Government

SM Sheets:- MCGM Home Page (portal.mcgm.gov.in)> Ward & Departments> Chief Engineer - Development Plan>Docs> Sanctioned DP2034> Development Plan 2034(sanctioned part) SM sheets, 8th May 2018

Additional Information

Water pipeline Remark:

Water pipeline near the plot (3.69 meters far) has 150 mm pipe diameter.

Sewerline Remark:

Sewer Manhole near the plot (Node No. 20234303, 5.60 meters far) has invert level 26.50 meters with reference to Town Hall Datum (THD).

Drainage Remark:

Drain Manhole near the plot (Node ID 2177123904, 4.47 meters far) has invert level 29.24 meters with reference to Town Hall Datum (THD).

Ground level:

The plot has minimum 31.00 meters and maximum 34.00 meters ground level with reference to Town Hall Datum (THD)

RL Remark:

REGULAR LINE REMARKS (Traffic):
As far as Traffic department is concerned, there is no any proposed or sanctioned Regular Line/Road Line at present along the plot C.T.S. No.(s) 657 of Village/Division MOHILI in L ward of M.C.G.M. as shown bounded blue on accompanying plan.
You are also requested to obtain remarks from Asst. Engineer (Survey) L Ward.The earlier R.L. Remarks issued by this office if any shall be treated as cancelled.
The above remarks are issued without prejudice to the ownership, status of the structure, plot boundaries and will supercede to the earlier remarks and shall be valid for one year from the date of its issue.

Natural Water Course:

The land under reference is under influence zone of waterbody hence specific remark from the concerned Authority should be obtained separately before taking up any development on the land

Acc: As Plan

Note: The above information is as per the data received from concerned MCGM Departments.

MUNICIPAL CORPORATION OF GREATER MUMBAI

No. DyCHE / 3147 / BPES / L Ward 16 NOV 2017.

OFFICE OF THE:
Dy.Chief Engineer,
Building Proposal,(E.S.)
M.C.G.M, Near Raj Legacy,
L.B.S. Road, Vikhroli (West),
Mumbai - 400 083.

To,
M/s. Spaceage Consultants
Shop No.15, b-106, C-108,
C-109, Natraj Building,
Mulund-Goregaon Link Road,
Mulund (W), Mumbai – 400 080.

Sub : Request to allow the user permissible in Residential Zone (R) on Land bearing C.T.S. No. 657 of village Mohili of Taluka Kurla (W), in 'L' ward, Mumbai situated in Special Industrial Zone (I-3).

Ref : (i) License Surveyor's Letter dt. 27.06.2017.
(ii) Hon'ble M.C.'s approval u/No. MCP/807 dtd. 04.10.2017.

Sir,

With reference to your above cited the letter, I have by direction to inform you that your request to allow the residential user on land bearing C.T.S. No. 657 of village Mohili situated in special industrial zone (I-3) considered as per provisions of regulation No. 57(4)(C) of Development Control Regulation for Greater Mumbai 1991, subject to the compliance of the following terms & conditions:-

TERMS & CONDITIONS :

1. That the residential development on the plot under reference shall be strictly in accordance with D.C.Reg. for Greater Mumbai 1991 as amended up to date.
2. That the segregating distance shall be provided as per provisions of D.C. Reg. 29 table No. 10(c) of D.C. Reg 1991 for Greater Mumbai & as shown in the accompanying plan.
3. That the deficiency in segregating distance is condoned in principle subject to necessary payment of premium in E.E.(B.P.)E.S. office.
4. That the open space within segregating distance shall be planted within trees at the rate of 5 per 100 sq mt. as per D.C. Reg. 1991.
5. That the aspects of ownership, authenticity of access road, segregating distance etc. for plot under reference shall be scrutinized in detailed by E.E.(B.P.) E.S. before approval of plans.
6. That the layout/Sub-division & amalgamation on plot under reference shall be got approved from E.E.(B.P.)E.S.
7. That the permission is valid for the period of 2 (Two) years from the date of issue of Development Permission. However, for the valid reason Ch. Eng. (D.P.) may extend the time limit by recovering revalidation charges as per policy. Further, during the cource of time (i.e. C.C. beyond plinth is not issued), if there is change in D.C. Regulation/Policy beneficial to M.C.G.M. shall be applicable.
8. That the existing structures proposed to be demolished on plot under reference shall not be demolished before issue of IOD for the proposed development under consideration.

9. That the NOC from the Tree Authority for cutting of trees if any on plot under reference shall be submitted to E.E.(B.P.)E.S.
10. That the land affected by area under D.P road set back, shall be handed over and transferred on PRC in the name of M.C.G.M by removing encumbrances thereon if any , the separate P.R card in words & in the name of M.C.G.M shall be submitted.
11. That the factory permit under Section 390 of MMC Act and storage license under Section 394 of MMC Act, if any shall be surrendered to the concerned ward office. Motive Power/ Industrial Electric Supply connection shall be discontinued from the concerned Electrical Company; proof thereof shall be submitted to Building Proposal Deptt. All pending municipal dues including factory permit / license charges etc. shall be paid to respective section of Ward Office. The same shall be complied with before requesting for further commencement certificate /O.C.
12. That the building shall be constructed as per the latest I.S. codes including earthquake resistant designs.
13. That the fresh PRC shall be submitted showing area correction as per J.M. plan.
14. That the 10% proposed vacant Amenity Space admeasuring not less than 667.60 Sq.Mt. (considering net plot area as 6675.98 Sq.Mt.) shall be handed over to MCGM free of cost and encumbrances& the same shall be transferred in the Name of MCGM on separate PRC at the cost of owner / Developer.
15. That owner/developer shall pay premium equal to 20% of the rate of developed land as given in the Annual Statement of Rates, before starting work on site & the rate of prevailing year of start of construction work is applicable as per Government of Maharashtra Notification u/no.published by U.D. Dept. u/no. TPB-4313/630/CR-107/2013/UD-11 dtd. 21-07-2016.
16. That the no industrial activity shall be allowed on land and the same shall be used exclusively for the users permissible in Residential zone as proposed.
17. That the remarks for proposed building on plot under reference from C.F.O., S.W.D. , Roads & S.P. Dep. shall be submitted to E.E.(B.P.)E.S.
18. That this development permission shall be deemed to be cancelled in case any of the documents submitted by the L.S. or owner are found to be fraudulent / misappropriated.
19. That this permission shall not be used as in instrument to evict the existing occupants / tenants, if any, on the land under reference.
20. That the Stamp Duty, if any, will be paid by the developer on Power of Attorney / Agreement between owner and developer.
21. That the owner / developer should submit detailed ownership documents in the office of E.E.(B.P.)E.S. before requesting for I.O.D.
22. That the owner / Developer/Lesse shall indemnify the Corporation against any loss, damages, claims or suit arising out of grant of this release letter.
23. That the Municipal Corporation of Greater Mumbai reserves right to include / alter any condition / conditions if found necessary subsequently.
24. That the development of the land shall be carried out as per the proposed modification Notification issued by the U.D. Deptt. Under No. TPB-4313/630/CR-107/2013/UD-11 dt. 21.07.2016.
25. That the owner / developer shall submit Registered Undertaking to E.E (B.P) E.S office before requesting for further Commencement Certificate /O.C stating agreeing to all the conditions of said 'I-3' to 'R' in consultation with Law officer of M.C.G.M.
26. That the conditions of NOC from the Addl. Collector & C.A. (ULC) for Greater Mumbai granted if any, shall be complied with. If ULC NOC is not applicable, the Indemnity bond for affidavit in respect of S.V.L under U.L.C Act shall be

submitted on stamp papers of Rs.300/- in the prescribed format.

27. That the above conditions shall be applicable to the developer of the land and their legal heirs or any persons mentioned in the titles.
28. That the plans shall be approved in accordance to Hon'ble Supreme Court order dated 17.12.2013 in Civil appeal no.11150 of 2013.
29. That out of Total BUA proposed to be utilized for residential development, 20% of the same shall be built for residential tenements having built up area up to 50 Sq. Mt.
30. That a copy of sale agreement with prospective buyers of residential/other units in the proposed residential building incorporating a clause therein indicating that proposed building is developed with deficient segregating distance. No litigation/complaints in this regard will be entertained by M.C.G.M. and Indemnity bond indemnifying MCGM and its officers shall be submitted.
31. That owner/ developer shall submit Regd. Undertaking to this office stating that if any legal disputes or any complaint regarding compensation pending to pay is received in future same shall be dealt by the owner / developer only, M.C.G.M staff shall not be responsible for the same.
32. That the owner/ developer shall submit the Regd. undertaking that "they will not serve purchase notice for reservations, D.P road / set back area of D.P reservation and amenity space in future on plot under reference and will claim benefit only in terms of TDR/FSI only".
33. That the conditions of N.O.C from Labour Commissioner, Maharashtra State Mumbai under no. u/no .काआ/ नाहप्र/ प्र.क्र.47 / 2016 / कार्यासन -७ / 19601, दि.23.08.2016,shall be complied with.
34. That the Owner / Developer shall take cognizance of circulars issued u/no. CHE/34194/DP/Gen. Dt. 10.03.2015 & CHE/002456/DP/Gen. Dt. 06.04.2015 and CHE/7204/DP/Gen. Dt. 30.05.2016 and shall submit Registered Undertaking accordingly agreeing to comply the stringent conditions mentioned therein.

This development permission is issued as per the approval of Hon'ble M.C. u/No. MCP/807 dtd. 04.10.2017.

Yours Faithfully,

16/11/17

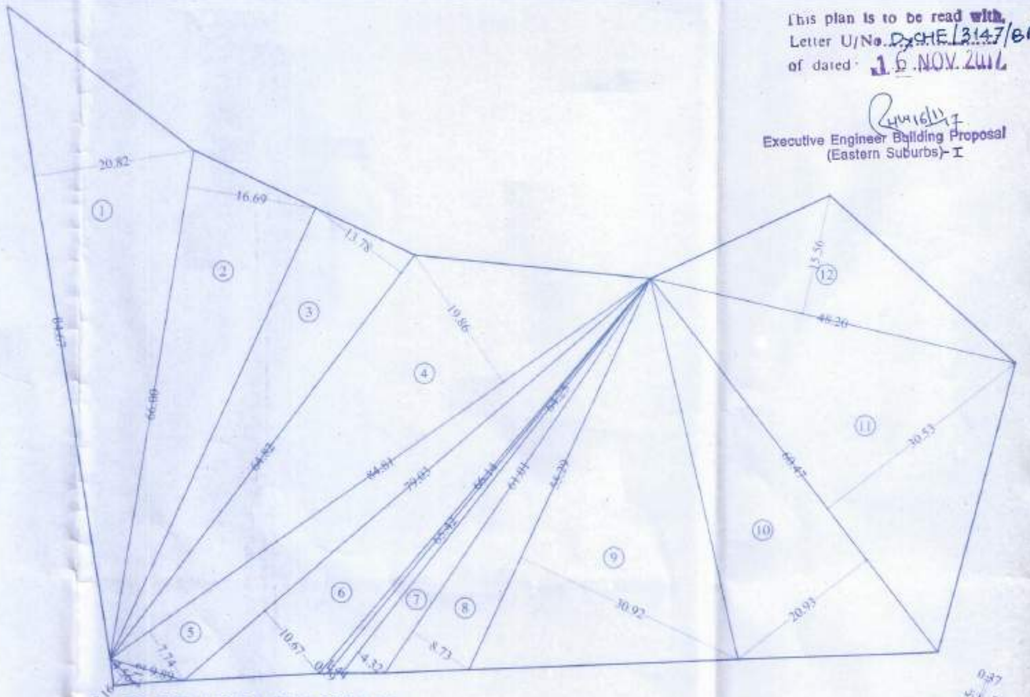
Executive Engineer
(Building Proposal)E.S. - I

This plan is to be read with
Letter U/No. DyCHE/3147/BPES/L ward
of dated 16.NOV.2017

Executive Engineer Building Proposal
(Eastern Suburbs)- I

AMENITY AREA DIAGRAM
SCALE = 1: 500

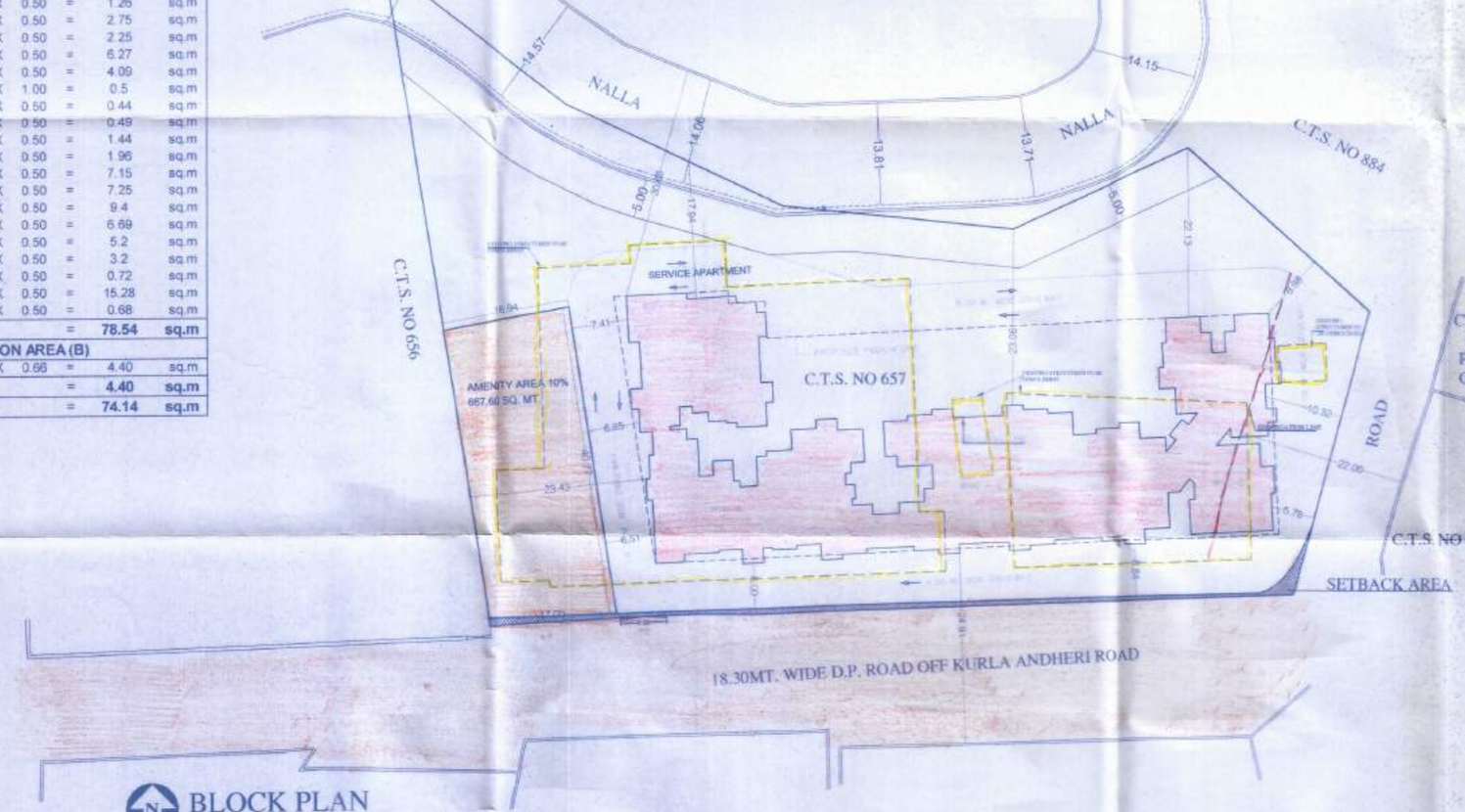
AMENITY AREA CALCULATION								
ADDITION								
1	40.21	X	15.22	X	0.50	=	305.98	sq.m
2	42.27	X	0.83	X	0.50	=	17.54	sq.m
3	42.27	X	16.28	X	0.50	=	344.08	sq.m
TOTAL						=	667.60	sq.m



PLOT AREA DIAGRAM
SCALE = 1: 500

ROAD SET - BACK AREA DIAGRAM
SCALE = 1: 500

SET BACK AREA CALCULATION								
ADDITION AREA (A)								
1	3.03	X	1.00	X	0.50	=	1.52	sq.m
"	3.03	X	0.83	X	0.50	=	1.26	sq.m
"	6.26	X	0.88	X	0.50	=	2.75	sq.m
"	6.26	X	0.72	X	0.50	=	2.25	sq.m
2	17.41	X	0.72	X	0.50	=	6.27	sq.m
"	17.41	X	0.47	X	0.50	=	4.09	sq.m
"	1.08	X	0.46	X	1.00	=	0.5	sq.m
"	1.94	X	0.45	X	0.50	=	0.44	sq.m
"	1.94	X	0.51	X	0.50	=	0.49	sq.m
"	5.52	X	0.52	X	0.50	=	1.44	sq.m
"	5.52	X	0.71	X	0.50	=	1.96	sq.m
3	19.86	X	0.72	X	0.50	=	7.15	sq.m
"	19.86	X	0.73	X	0.50	=	7.25	sq.m
4	25.74	X	0.73	X	0.50	=	9.4	sq.m
"	25.74	X	0.52	X	0.50	=	6.69	sq.m
5	20.00	X	0.52	X	0.50	=	5.2	sq.m
"	20.00	X	0.32	X	0.50	=	3.2	sq.m
"	4.50	X	0.32	X	0.50	=	0.72	sq.m
6	9.12	X	3.35	X	0.50	=	15.28	sq.m
"	3.65	X	0.37	X	0.50	=	0.68	sq.m
TOTAL						=	78.54	sq.m
DEDUCTION AREA (B)								
a	8.03	X	0.83	X	0.66	=	4.40	sq.m
TOTAL						=	4.40	sq.m
TOTAL AREA (A - B)						=	74.14	sq.m



BLOCK PLAN
SCALE = 1:500

LOCATION PLAN
SCALE - 1:4000

PLOT AREA CALCULATION								
1	84.67	X	20.82	X	0.50	=	881.41	sq.m
2	66.00	X	16.69	X	0.50	=	550.76	sq.m
3	64.82	X	13.78	X	0.50	=	446.61	sq.m
4	84.81	X	19.86	X	0.50	=	842.16	sq.m
5	84.81	X	7.74	X	0.50	=	328.20	sq.m
"	9.89	X	2.12	X	0.50	=	10.48	sq.m
"	4.56	X	2.16	X	0.50	=	4.92	sq.m
6	79.03	X	10.67	X	0.50	=	421.62	sq.m
"	66.14	X	0.79	X	0.50	=	26.13	sq.m
"	65.42	X	1.44	X	0.50	=	47.10	sq.m
7	64.25	X	4.32	X	0.50	=	138.78	sq.m
8	61.01	X	8.73	X	0.50	=	266.31	sq.m
9	55.29	X	30.92	X	0.50	=	854.77	sq.m
10	60.47	X	20.93	X	0.50	=	632.81	sq.m
11	60.47	X	30.53	X	0.50	=	923.07	sq.m
12	48.20	X	15.56	X	0.50	=	374.99	sq.m
TOTAL						=	6750.12	sq.m

PROFORMA -A

A	AREA STATEMENT	SQ.MT
1	AREA OF PLOT	6750.12
2	DEDUCTION FOR	-
a	ROAD SET-BACK AREA	74.14
	TOTAL	74.14
3	NET PLOT AREA (X)	6675.99
4	REQUIRED AMENITY I TO R AS PER CIRCULAR U/NO. CHE/DP/44/ GEN 2016-17 & CHE/DP/16806/DTD.24.8.2016 READ WITH U.D.'S PROPOSED MODIFICATION U/NO. TPB/4313/630/C.NO. 107/2013/UD-11 21.07.2016. (6675.99 x 10%)	667.60
5	PROPOSED AMENITY	667.60

DESCRIPTION OF PROPOSAL & PROPERTY

PROPOSED TO ALLOW RESIDENTIAL USER (R) IN SPECIAL INDUSTRIAL (I-3) ZONE PLAN SHOWING PLOT BEARING C.T.S.NO. 657 OF VILLAGE MOHILI IN 'L' WARD.

NORTH	JOB. NO.	DRG. NO.	DRAWN BY
		1/1	
	SCALE	DATE	CHECKED BY
	1:500	09/11/2017	
REVISIONS	DESCRIPTION :		
R-0			

NAME OF THE OWNER	SIGNATURE

NAME ADDRESS AND SIGNATURE OF LICENSED SURVEYER	SIGNATURE
SPACEAGE CONSULTANTS B-106, Natraj Building, Mulund Goregaon Link Road Mulund (w), Mumbai : 4000 80	

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24044532/4024068/4023516
Website: http://mpcb.gov.in
Email: jdwater@mpcb.gov.in

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

Infrastructure/RED/M.S.I
No:- Format1.0/JD (WPC)/UAN No.0000117570/CE - 2109001199

Date: 23.09.2021

To,
M/s. LANCARE REALTY LLP "Pride Panorama " (Resi.-cum- comm. Project)
CTS No, 657 Survey No. 17, Safed Pool,
Andheri Kurla Road, Mohili, L ward,
Mumbai - 400072

Your Service is Our Duty

Sub: Consent to Establish for residential and commercial construction project in Red Category

Ref: 1. Application submitted by SRO Mumbai-II

Your application NO. MPCB-CONSENT-0000117570

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

1. **Consent to establish is granted for period upto commissioning of the project or five years whichever is earlier**
2. **The capital investment of the project is Rs.81.82 Cr. (As per C.A Certificate submitted by industry).**
3. **The Consent to Establish is valid for residential and commercial construction project named as M/s. LANCARE REALTY LLP "Pride Panorama" (Resi.-cum-comm. Project) CTS No, 657 Survey No. 17, Safed Pool, Andheri Kurla Road, Mohili, L ward, Mumbai on Total Plot Area of 6750.12 Sq Mtrs for construction BUA of 21201.18 Sq Mtrs as per specific condition of EC dtd 27.10.2020 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	NA	NA
2.	Domestic effluent	125	As per Schedule - I	The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be connected to the sewerage system provided by local body

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

Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
S-1	DG SET-400 KVA	01	As per Schedule -II
S-2	DG SET-400 KVA	01	As per Schedule -II

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

Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	DRY GARBAGE	260 Kg/Day	Segregation	MCGM/SALE
2	WET GARBAGE	173 Kg/Day	OWC and Composting	As Manure
3	STP SLUDGE	20 Kg/Day	Dewatering	As Manure

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

Sr No	Category No.	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	50	Ltr/A	Reprocessing	To Authorized Reprocessor

8. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
10. Project Proponent shall install online monitoring system for the parameter pH, SS, BOD and flow at the outlet of STP.
11. Project Proponent shall provide Organic waste digester with composting facility or biodigester with composting facility.
12. Project Proponent shall comply the Construction and Demolition Waste Management Rules, 2016 which is notified by Ministry of Environment, Forest and Climate Change dtd.29/03/2016.
13. The project proponent shall make provision of charging of electric vehicles in atleast 30 % of total available parking area.
14. The project proponent shall take adequate measures to control dust emission and noise level during construction phase.
15. PP shall submit an affidavit in Board's prescribed format within 15 days regarding compliance of C to E & Environmental Clearance/CRZ Clearance.
16. The Project Proponent shall comply with the Environmental Clearance obtained vide SIA/MH/MIS/143467/2020 dtd 27.10.2020 for proposed residential and commercial construction project having total plot area 6750.12 SqM. and total Construction BUA 21201.18 sq. mtr as per specific condition.

For and on behalf of the
Maharashtra Pollution Control Board.

Dr. Y.B.Sontakke 22-9-2021
Joint Director (WPC)

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	125000.00	TXN2107001065	11/07/2021	Online Payment

Copy to:

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

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have proposed to provide Sewage Treatment Plant of 145 CMD capacity based in MBBR Technology for treatment of domestic effluent

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

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

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

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

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

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

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	177.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00

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

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

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

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM
S-1	DG SET-400 KVA	Acoustic Enclosure	3.5	Diesel/HSD	113 Ltr/Hr
S-2	DG SET-400 KVA	Acoustic Enclosure	3.5	Diesel/HSD	113 Ltr/Hr

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

Total Particular matter	Not to exceed	150 mg/Nm3

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

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

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

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

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

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

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

SCHEDULE-III
Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C2E	Rs 10 Lakhs	15 Days	Compliance of Consent Conditions	Continious	5 Yrs

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

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

BG Forfeiture History

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

BG Return details

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

SCHEDULE-IV

Conditions during construction phase

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

General Conditions:

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

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

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

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

5 Conditions for D.G. Set

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

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

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

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

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

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

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

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

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

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

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

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

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

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

For and on behalf of the
Maharashtra Pollution Control Board.

Dr. Y.B. Sontakke
Joint Director (WPC)

22-9-2021

MUNICIPAL CORPORATION OF GREATER MUMBAI

(Solid Waste Management Department)

Office of Executive Engineer,
SWM SWM Zonal Office 5,

Application Number - CHE/ES/4273/L/337(NEW)/SWM/3/Amend, dated - 08 May 2021
Issued remarks Number **/007564/2021/L/ES** Dated **10 May 2021**.

To (Architect / L.S),
SHASHIKANT LAXMAN JADHAV
B-106, NATRAJ BLDG., MULUND (W)

CC (Owner),
LANDCARE REALTY LLP
601, Orbit Plaza, New Prabhadevi Road,
Prabhadevi, Mumbai

Subject :- Approval to Construction & Demolition Waste Management Plan for the site at CTS/CS Number 657 of village MOHILI at ward Ward L.

Reference :- Your application / online submission for C&D Waste Management Plan levelling & filling at designated site dtd. 08 May 2021.

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 1000 Brass only to the designated unloading site Approval of new site for unloading of C and D waste material, on the site at Bhiwandi,Gut No. 86/2/C , Pise Villlage, Tal- Bhiwandi, Dist-Thane(Applicant:M/s. K.G.N.Enterprises)(Mr.Sohail 9082441168). & validity 25 Apr 2022.**
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 Plant.
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 approval. The developer shall issue the proper Challan for each and every trip of vehicles and that shall be acknowledged by the agency

of unloading 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.

9. The 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.
10. The approval granted hereto does not absolve the other approval required from the other department of M.C.G.M. OR Govt. authorities.
11. In case of disputes, court matters etc. related to the subject site / land / property, this approval cannot be treated as a valid proof.
12. 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.
13. This approval is not a permission for excavation or permission for dumping but this is the only approval under Construction & Demolition Waste Management Plan for the transportation of Construction & Demolition Waste for unloading at designated unloading site.
14. You / Land owner 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).
15. The license architect / license engineer shall upload compliance report in respect of Construction & Demolition Waste Management Plan, any breach will entitle the cancellation of building permission and work will be liable to stop immediately.
16. (A) Project Total Estimated Qty (Brass) :21252
    (B) Obtained NOC(s) Total Qty (Brass): 2050

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.

OFFICE OF THE ADDITIONAL COLLECTOR
MUMBAI SUBURBAN DISTRICT

Administrative Bldg. 9th Floor, Near Chetana College, Govt. Colony, Bandra(E), Mumbai 400 051.

NO.AC/DESK-IV/MNL-SR-78/2021-22

DATE: 04/05/2021

READ:
1) Revenue and Forest Department, Govt. of Maharashtra Mantralaya Mumbai G.R No.M.M.K-1097 P.K.41 dated 17-8-2001
2) Maharashtra minor minerals Extraction (Development & Regulation) rule 2013
3) Revenue and Forest Department, Gaun Khanij-10/0812/P.K.613 K.H dt 17.12.13
4) Revenue and Forest Department, Gaun Khanij-10/1012/P.K.603 K.H dt 11.05.15.
5) Revenue and Forest Department, Notification dated 12.01.2018
6) Sanction IOD No CHE/ES/4273/L/337(New)/AI Dated 10/09/2020 Department of Executive Engineer Building Proposal Zone (L) Wards by MCGM.
7) Application dated 27/04/2021 from **M/s. Landcare Realty LLP**
8) Excavation Permission as per the Approved Plan marked for proposed Excavation

EXCAVATION PERMISSION AS AGAINST THE APPROVAL OF MCGM/SRA/MMRDA/MIDC/AIRPORT AUTHORITY

WHEREAS Application Dated **27/04/2021** of From **Ali Hussain Boxwala And Others C/o.M/s.Landcare Realty LLP** Office at **Orbit Plaza,6th Floor,New Prabhadevi Marg,Prabhadevi,Mumbai-400025** applied for grant of permit for Excavation and removal of Minor Minerals Earth/Soil/Mud/Murum to the extent of (46.5m X31.45m X1.93m =2822.48Cu.m.=997.34≈1000 Brass) **1000 Brass** only from the land bearing C.T.S No. **657** of village Mohili Taluka **Kurla** , **Situated at-** District **Mumbai Suburban**.

The applicant has paid the Royalty of **Rs. 4,00,000 /- (Rs.Four Lakh Only)** at the rate of Rs.400/- per brass and application fees of Rs. **2,000 /- (Rs.Two Thousand Only)** and **Surface Rent** of Rs. **14396/- N.A.Rate Rs.9.84** Area adm. **1463 Sq.** Mtrs. which is not exceeding the land revenue and cases on the land fixed by the Collector/Govt. from time to time.

An amount of Rs. **4,16,396/- (Rs.Four Lakh Sixteen** Thousand **Three Hundred Ninety-six Only)** is credited in the **State Bank Of India GRN NO. MH00 MH000941932202122E Dated** 03/05/2021 **and** 10% of the total Royalty payable to the District Mineral Foundation Contribution Fund paid by **D.D.No.421618 Dt.04/05/2021 Amount Rs. 40,000 /-** has been deposited in this office.

In exercise of the powers conferred under rule 59 and 60 of the Maharashtra Minor Mineral Extraction (Development & Regulation) Rule 2013, & rule 46 (a) (i) of the Maharashtra Minor Mineral Extraction (Development and Regulation) (Amendment) Rules, 2017, The Collector , Mumbai Suburban District , having office at the above address hereby granted approved to issue Permit to, from, **Ali Hussain Boxwala And Others C/o.M/s.Landcare Realty LLP** Office at **Orbit Plaza,6thy Floor,New PrabhadeviMarg,Prabhadevi,Mumbai-400025** for extraction and removal of minor mineral Earth/Soil/Mud/Murom to the extent of **1000 Brass (One Thousand Only)** for the period of **75 Days** from the date of issue of this permit order i.e. with effect from the date **04/05/2021** to **18/07/2021** subject to the following conditions

1. The Permit holder shall carry out excavation operation within the prescribed limit demarcated on map as ABCD. Shown in Red colored ink.
2. The Permit holder shall have to complete excavation and removal operation of the permitted quantity of Earth/Soil/Mud/Murom within the prescribed period only. Under no circumstances the said period will be extended.
3. The failure of the Permit holder to complete excavation and removal of permitted quantity of Murom shall be liable to the forfeiture of the royalty already paid for the quantity not excavated and removal within the prescribed period and he shall not be entitled to claim any refund of the royalty already paid.
4. The Permit holder shall be responsible to pay the compensation to the Govt. for damage, if any made to the land and the decision of the Competent Officer shall be final in respect of determination of the damage.
5. The Govt. shall be immune against any claims of third parties or such claim of any shall be settled by the Permit holder Himself.
6. The Permit holder shall report all accidents immediately to the Collector, Sub Divisional Officer, Tahsildar of the area, Police Department of the area and thereafter to all the licensing authorities concerned.
7. The Permit holder shall have no rights over the extracted material and other property lying in permit area after the date of expiry of the Permit.

8. If any excess quantity over that permitted is found to be removed the material shall be confiscated and the Permit holder shall be liable for penal action under the provisions of section 48 (7) of Maharashtra Land Revenue Code, 1966.
9. The Permit holder shall allow inspection of the excavation of operation and transit passes books to the Collector, Sub Divisional Officer, or any officer authorized by him and give him reasonable opportunity for carrying out such inspection.
10. The Permit holder shall not cut any trees during the extraction of minor mineral
11. The Permit holder shall issue transit pass giving all the details therein and duly sealed by the Collector, Sub Divisional Officer / District Mining Officer with every dispatch of mineral, failing which the transport shall be treated as unauthorized and shall be liable for penalty as per the provisions of section 48(7) and 48) of Maharashtra Land Revenue Code, 1966
12. **Permit holder should keep the day to day records of excavations, transportation/dispatch of minor minerals in the production, sale cum dispatch registers duly certified by this office, also submit the monthly progress report to this office on 5th day of every month.**
13. In the event of the breach of any of the above condition the Permit shall be cancelled and the royalty paid by the Permit holder shall be forfeited to the State Government and the Permit holder shall be liable to such other penal action according to the provisions of the Maharashtra Land Revenue Code and Rules there under and the minor mineral Extracted shall become the absolute property of Govt.
14. That in case of increase in royalty rate hereafter the Permit holder will have to pay the difference amount of the royalty rates failing which the same will be recovered as arrears of land revenue by adopting the coercive measures
15. Government reserves the right to cancel the excavation Permit any time without notice and without assigning any reason
16. The letter is granted presuming that the papers submitted by the applicants POA/Occupant/Owners are genuine & for any dispute arising out of documents submitted by applicant, POA/Occupant/Owner will be held responsible.
17. Care should be taken due to excavation works slum dwellers are not affected
18. Under no circumstances the excavated material like ordinary clay , ordinary earth, stones and all sizes etc should be dumped, spreaded over the areas of **mangroves and 50 meters' on all sides of mangroves regardless** of ownership of the land In case of committing breach of the conditions the permit is revoked without any notice, and the permit holder will be liable to for penal action in accordance with the concern provision of rules, acts and **the Order of the Hon. High Court Dt.06-10-2005.**
19. The validity of this permit is up to **18/07/2021** and this Excavation permission is use only for digging Foundation for construction and Development Plan Sanction as per Planning Authority.
20. If the Excavation is not done as per the sanctioned plan and IOD from development Authority and also any authority complaint raise by complaining or challenging in the court about sanction permission then the permission of excavation automatically null & void from the date issue of this excavation permission.
21. The rate of royalty are liable to be revised by time to time, and the permit holder should pay the difference of amount of royalty on account of such revision of rates by time to time.
22. **This Permit is issued only for Excavation of minor mineral of purpose** and all other necessary permissions from other Authority /department should taken by applicant.
23. **The permit Holder has to follow the Guidelines, Issued by Govt. of India, Govt. of Maharashtra State, Regarding "Covid-19" Pandemic.**
24. **As per Ministry of Home Affairs (MHA) Order No. 40-3/2020-DM-I(A) Dated 1st May,2020, Activities in Red Zones (Hotspot) (Outsides Containment Zone) "Construction activities in Urban areas is Permitted only in Site Construction (where workers are available in the vicinity and workers are required to be brought in from outside), permit hold should Also strictly follow the "National Guidelines for "Covid-19" Management (Annexure-I) "**

(O/C signed by hon. Addl. Collector)

For Additional Collector
Mumbai Suburban District

To,
Ali Hussain Boxwala And Others
C/o.M/s.Landcare Realty LLP
Orbit Plaza,6th Floor,New Prabhadevi
Marg,Prabhadevi,Mumbai-400025

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QCI-NABET Accredited EIA Consulting Organization
STP/ETP/WTP Project Management Consultants
ISO 9001 : 2015
ISO 45001 : 2018

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Tele : +91 22 2547 49 07 / +91 22 2547 62 17 Email : lab@ultratech.in Visit us at : www.ultratech.in

TEST REPORT

ISSUED TO: M/S. LANDCARE REALITY LLP
AT CTS NO.657,Survey No.17,Safed Pool,Andheri Kurla Road
Village Mohili,L Ward, Mumbai ,Maharashtra

REPORT NO. : UT/ELS/REPORT/C-100/09-2021
ISSUE DATE : 29/09/2021
YOUR REF. : Work Order Letter
REF. DATE : 21/06/2021

SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING

Sampling Plan Ref. No.: : C-29/04-2021
Sample Registration Date : 19/04/2021
Date of Sampling : 16/04/2021 to 17/04/2021
Time of Sampling : 14:30 Hrs. to 14:30 Hrs.
Analysis Starting Date : 19/04/2021
Analysis Completion Date : 21/04/2021
Sample Lab Code : UT/ELS/C-193/04-2021
Ambient Air Temperature : 28.1°C to 32.4°C

Location Code : 01
Sample Location : At Project Site
Co-ordinates: N19°5'50.67"; E72°53'3.07"
Collected By : ULTRA-TECH
Height of Sampler : 1.0 Meter
Sampling Duration : 24 Hours
Relative Humidity : 52.0 % to 72.0 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO_2)	IS 5182 (Part 02) : 2001	15	µg/m³
2.	Oxides of Nitrogen (NO_x)	IS 5182 (Part 06) : 2006	24	µg/m³
3.	Particulate Matter (PM_{10})	EPA/625/R-96/010a Method IO-2.1	75	µg/m³
4.	Particulate Matter ($PM_{2.5}$)	CPCB Guidelines, Vol-I, NAAQMS/36/2012-13	23	µg/m³
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.5	mg/m³

†: Sampling Period 1 Hr.

Opinions / Interpretations: *National Ambient Air Quality Monitoring Standard, Part III- Section IV is provided as Annexure-I for your reference. (Turnover to find Annexure).*

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make – Polltech; Model –PEM-RDS 8NL; Sr. No .3213	Valid up to – 05/01/2022
	Fine Dust Sampler	Make - Netel; Model - NPM FDS2.5/10µ (A); Sr. No. 222	Valid up to – 27/09/2021

Note:
1. This test report refers only to the sample tested.
2. Monitoring area coming under Residential areas and observed values are relevant to sample collected only.
3. This test report may not be reproduced in part, without the permission of this laboratory.
4. Any correction invalidates this test report.
5. Weather was Sunny& clear during sampling period.

– END OF REPORT –

ULTRA-TECH * Gazetted by MoEF&CC Govt. of India * ENVIRONMENTAL CONSULTANCY & LABORATORY * THANE (W) INDIA PIN-400 601

For **ULTRA-TECH,**

(Authorized Signatory)

H.O.: Unit No. 224,225,206, Jai Commercial Complex, Eastern Express Highway, Opp. Cadbury Factory, Khopat, Thane (W) 400 601, Maharashtra, India.
Tel : +91-22+2534 27 76 / 2538 01 98 / 2533 14 38 Fax : +91-22-2542 96 50 Email : sales@ultratech.in
Pune : +91-20-29525517 - pune@ultratech.in Kochi : +91-048-44011173 / +91-9895200526 - kochi@ultratech.in
Kolkata: +033-40089145 / +91-9674488198 - kolkata@ultratech.in

ANNEXURE-I

NATIONAL AMBIENT AIR QUALITY STANDARDS, PART III-SECTION IV
The Gazette of india with Effect from Wednesday, November 18, 2009/KARTIKA 27, 1931

Sr. No.	Pollutants	Time Weighted Average	*National Ambient Air Quality Standards*	
			Industrial, Residential, Rural and Other Area	Ecological Sensitive Area (Notified by Central Government)
01.	Sulphur Dioxide (SO_2), µg/m³	Annual*	50	20
		24 Hours**	80	80
02.	Oxides of Nitrogen (NO_x), µg/m³	Annual*	40	30
		24 Hours**	80	80
03	Particulate Matter (PM_{10}), µg/m³	Annual*	60	60
		24 Hours**	100	100
04.	Particulate Matter ($PM_{2.5}$), µg/m³	Annual*	40	40
		24 Hours**	60	60
05.	Carbon Monoxide (CO), mg/m³	08 Hours*	02	02
		01 Hours**	04	04

* Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

** 24 hourly or 8 hourly or 1 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

NOTE: Whenever and wherever monitoring results on two consecutive days of monitoring exceed the limits specified above for the respective category, it shall be considered adequate reason to institute regular or continuous monitoring and further

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TEST REPORT

ISSUED TO: M/S. LANDCARE REALITY LLP
AT CTS NO.657,Survey No.17,Safed Pool,Andheri Kurla Road
Village Mohili,L Ward, Mumbai ,Maharashtra

REPORT NO. : UT/ELS/REPORT/C-101/09-2021
ISSUE DATE : 29/09/2021
YOUR REF. : Work Order Letter
REF. DATE : 21/06/2021

SAMPLE PARTICULARS : **NOISE LEVEL QUALITY MONITORING**

Sampling Plan Ref. No. : C-29/04-2021
Date of Monitoring : 16/04/2021 to 17/04/2021
Sample Lab Code : UT/ELS/C-194/04-2021
Survey Done By : ULTRA TECH

Sr. No.	Location	Noise Level Reading in dB(A)			
		Time (Hrs)	Day dB(A)	Time (Hrs)	Night dB(A)
01.	At Project Site	17:00 to 17:05	54.3	00:00 to 00:05	44.1

Opinions / Interpretations: *The Noise Pollution (Regulation And Control) Rules, 2000: Is Provided as Annexure II for Your Reference. (Turnover to find Annexure).*

Note:
1. Monitoring area coming under Residential Area.
2. Noise level monitored is an average for period as stated above, the permissible sound pressure level is to be determined with respect to the total time a workman is being exposed (continuously or a number of short term exposures per day) in Hrs.

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Sound Level Meter	Make – Casella; Model – CEL-633C; Sr. no. 2382959	Valid up to – 12/12/2021

Note:
1. This test report refers only to the monitoring conducted.
2. This test report may not be reproduced in part, without the permission of this laboratory.
3. Any correction invalidates this test report.

– END OF REPORT –

ULTRA-TECH * Accredited by MoEF&CC Govt. of India * ENVIRONMENTAL CONSULTANCY & LABORATORIES * THANE (W) INDIA PIN-400 601.

For **ULTRA-TECH,**

(Authorized Signatory)

H.O.: Unit No. 224,225,206, Jai Commercial Complex, Eastern Express Highway, Opp. Cadbury Factory, Khopat, Thane (W) 400 601, Maharashtra, India.
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Kolkata: +033-40089145 / +91-9674488196 - kolkata@ultratech.in

ANNEXURE-II

THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000

(The Principal Rules were published in the Gazette of India, vide S.O. 123(E), dated 14.2.2000 and subsequently amended vide S.O. 1046(E), dated 22.11.2000, S.O. 1088(E), dated 11.10.2002, S.O. 1569 (E), dated 19.09.2006 and S.O. 50 (E) dated 11.01.2010 under the Environment (Protection) Act, 1986.)

• SCHEDULE

(See rule 3(1) and 4(1))

Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area / Zone	Limits in dB(A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Note:
1. Day time shall mean from 6.00 a.m. to 10.00 p.m.
2. Night time shall mean from 10.00 p.m. to 6.00 a.m.
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

* dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

A "decibel" is a unit in which noise is measured.

"A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

Leq: It is energy mean of the noise level over a specified period.

• CONSTRUCTION ACTIVITIES

The maximum noise levels near the construction site should be limited to 75 dB(A) Leq(5 min.) in industrial areas and to 65 dB(A) Leq(5 min.) in other areas.

• THE PERMISSIBLE LEVELS FOR NOISE EXPOSURE FOR WORK ZONE

(TheModel Rules Of The Factories Act, 1948)

Peak sound pressure level in dB	Permitted number of impulses or impact/day
140	100
135	315
130	1000
125	3160
120	10000

Notes:
1. No exposure in excess of 140 dB peak sound pressure level is permitted.
2. For any peak sound pressure level falling in between any figure and the next higher or lower figure as indicated in column 1,the permitted number of impulses or impacts per day is to be determined by extrapolation on a proportionate basis.

Total time exposure (continuous or a number of short term exposures per day) in Hrs	Sound Pressure Level in dB(A)
8	90
4	93
2	96
1	99
1/2	102
1/8	108
1/16	111
1/32 (2 minutes) or less	114

Notes:
1. No exposure in excess of 115 dB(A) is to be permitted.
2. For any period of exposure falling in between any figure and the next higher or lower figure as indicated in column 1,the permissible sound pressure level is to be determined by extrapolation on a proportionate basis.

ULTRA TECH®
Environmental Consultancy & Laboratory
Lab Gazetted by MoEF&CC-Govt. of India
Lab. Accredited by NABL - ISO/IEC 17025:2017 [TC-5600,Valid until 27.05.2022 in the field of Testing]
QCI-NABET Accredited EIA Consulting Organization
STP/ETP/WTP Project Management Consultants
ISO 9001 : 2015
ISO 45001 : 2018

Lab :Survey No. 93/A, Conformity Hissa No.2 G.V.Brothers Bldg., Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India.
Tele : +91 22 2547 49 07 / +91 22 2547 62 17 Email : lab@ultratech.in Visit us at : www.ultratech.in

TEST REPORT

ISSUED TO: M/S. LANDCARE REALITY LLP
AT CTS NO.657,Survey No.17,Safed Pool,Andheri Kurla Road
Village Mohili,L Ward, Mumbai ,Maharashtra

REPORT NO.	:	UT/ELS/REPORT/C-102/09-2021
ISSUE DATE	:	29/09/2021
YOUR REF.	:	Work Order Letter
REF. DATE	:	21/06/2021

SAMPLE PARTICULARS :

Sampling Plan Ref. No.	:	C-29/04-2021
Sample Registration Date	:	19/04/2021
Date & Time of Sampling	:	17/04/2021 at 11:00 Hrs
Analysis Starting Date	:	19/04/2021
Analysis Completion Date	:	26/04/2021
Sample Collected By	:	ULTRA TECH
Sample Lab Code	:	UT/ELS/C-195/04-2021

SOIL QUALITY MONITORING

Sample Type	:	Surface Soil (at 15cm depth)
Sample Location	:	At Project Site
Sample Quantity & Packing Details	:	1kg In Plastic Bag Contained in Zip Lock Bag

Sr. No.	Test Parameter	Test Methods	Test Result	Unit
1.	Colour	-	Brown	-
2.	Moisture Content	IS:2720 (Part 2) : 1973	4.4	%
3.	Bulk Density	UT/LQMS/SOP/S03	1136	kg/m³
4.	Organic Matter	IS:2720 (Part 22) : 1972	1.0	%
5.	Total Organic Carbon	IS:2720 (Part 22) : 1972	0.6	%
6.	pH	IS:2720 (Part 26) : 1987	7.7	-
7.	Conductivity(1:2soil:Water Extract)	IS:14767- 2000	0.381	mS/cm
8.	Sodium as Na (Water Extractable)	UT/LQMS/SOP/S19	75	mg/kg
9.	Magnesium as Mg (Water Extractable)	UT/LQMS/SOP/S22	66	mg/kg
10.	Chlorides as Cl^- (Water Extractable)	UT/LQMS/SOP/S23	78	mg/kg
11.	Sulphate as SO_4^{2-} (Water Extractable)	UT/LQMS/SOP/S24	86	mg/kg
12.	Sodium Adsorption Ratio	UT/LQMS/SOP/S26	1.0	$(meq/kg)^{1/2}$
13.	Cation Exchange Capacity	UT/LQMS/SOP/S18	25.2	meq/100g
14.	Water Holding Capacity	UT/LQMS/SOP/S12	56.6	%
15.	Available Boron as B (Available)	UT/LQMS/SOP/S27	0.7	mg/kg
16.	Phosphorous as P_2O_5 (Available)	UT/LQMS/SOP/S28	52	kg/ha
17.	Potassium as K_2O (Available)	UT/LQMS/SOP/S29	201	kg/ha
18.	Nitrogen as N (Available)	UT/LQMS/SOP/S30	164	Kg/ha
19.	Iron as Fe	UT/LQMS/SOP/S35 & S37	67214	mg/kg
20.	Zinc as Zn	UT/LQMS/SOP/S35 & S37	79	mg/kg

Opinions / Interpretations: *NIL*

Note:
1. This test report refers only to the sample tested.
2. This test report may not be reproduced in part, without the permission of this laboratory.
3. Any correction invalidates this test report.

– END OF REPORT –

ULTRA-TECH * Approved by MOEF Govt. of India * THANE (W) INDIA PIN-400 601 * ENVIRONMENTAL CONSULTANCY & LABORATORY *

For ULTRA-TECH

(Authorized Signatory)

H.O.: Unit No. 224,225,206, Jai Commercial Complex, Eastern Express Highway, Opp. Cadbury Factory, Khopat, Thane (W) 400 601, Maharashtra, India.
Tel : +91-22+2534 27 76 / 2538 01 98 / 2533 14 38 Fax : +91-22-2542 96 50 Email : sales@ultratech.in
Pune : +91-20-29525517 - pune@ultratech.in Kochi : +91-048-44011173 / +91-8895200526 - kochi@ultratech.in
Kolkata: +033-40089145 / +91-9674488198 - kolkata@ultratech.in

POLLUTION UNDER CONTROL CERTIFICATE

Issued By: PANVEL

Authorised by Motor Vehicles Department, [illegible]

TEST RESULT : PASS

VALIDITY: [illegible]

[illegible]

...ficate Sl. No.	MH0460041080[illegible]
...stration No.	**MH46BM0317**
...ssis No.	MAT448213K[illegible]*****
...ne No.	ISBE [illegible]*****
... of Vehicle	Goods Carrier
	TATA MOTORS LTD
	50645238000R
...e Category	HEAVY GOODS VEHICLE
...f Registration	21/Jun/2019
...on Norms	BHARAT STAGE IV
	DIESEL
...f Testing	04/Jun/2021

Fuel	Light Absorption Coefficient [illegible]	[illegible]
DIESEL	[illegible]	[illegible]

...Testing	18:13:55
...arged	Rs.110.0 (one hundred ten rupees only)

Auto Emission Testing Centre Code: MH0460041

Testing Centre Name: SHREE RAM PUC CENTER

Centre Address: 569, PALASPE PANVEL, TAL-PANVEL DIST-RAIGAD, 410206

Test Conducted By: KALLYAN SAPT

TEST RESULT FOR DIESEL VEHICLE

	IDLE RPM	MAX RPM	K_VALUE	OIL TEMP
TEST 1	771.0	6179.0	[illegible]	[illegible]
TEST 2	772.0	6195.0	[illegible]	[illegible]
TEST 3	839.0	6130.0	[illegible]	[illegible]
AVG	794.0	6168.0	[illegible]	[illegible]

This is a computer generated certificate and does not require signature

POLLUTION UNDER CONTROL CERTIFICATE

Issued By: PANVEL

Authorised by Motor Vehicles Department, Maharashtra

TEST RESULT : PASS

VALID TILL: 01/Jun/2022

DIESEL DRIVEN VEHICLES

Certified that the vehicle conforms to the standards prescribed under rule 115(2) of CMV Rules 1989

FUEL	Light Absorption Coefficient (Permissible Limit)	Measured Value
DIESEL	1.62	0.69334

Auto Emission Testing Centre Code: MH0460041

Testing Centre Name: SHREE RAM PUC CENTER

Centre Address: 669, PALAPSE PANVEL,TAL-PANVEL DIST-RAIGAD,410206

Test Conducted by: KALLYAN SAFI

TEST RESULT FOR DIESEL VEHICLE

MAX RPM	K VALUE	OIL TEMP
6983.0	0.73	75.0
7036.0	0.59	74.0
6983.0	0.76	74.0
7000.66667	0.69334	74.33334

This is a computer generated certificate and does not require signature

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

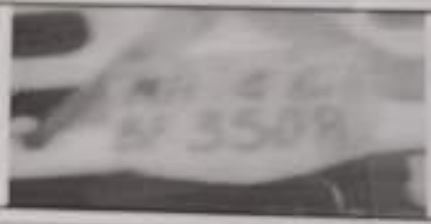
Authorised By

Government of Maharashtra

Date	06/10/2021
Time	15:22:52 PM
Validity upto	05/10/2022

Certificate Sr. No.	MH04601130001524
Registration No.	MH46BF3508
Date of Registration	05/Sep/2018
Month & Year of Manufacturing	February 2018
Valid Mobile Number	******3090
Emission Norms	BHARAT STAGE IV
Fuel	DIESEL
PUC Code	MH04601113
CGSTN	
Fees	Rs.110.0(GST as applicable)
Mfr. 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	0.38

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

POLLUTION UNDER CONTROL CERTIFICATE

Issued By: PANVEL

Authorised by Motor Vehicles Department, Maharashtra

TEST RESULT : PASS

VALID TILL : 03/Jun/2022

DIESEL DRIVEN VEHICLES

Certified that the vehicle conforms to the standards under rule 115(2) of CMV Rules 1989

Certificate Sl. No:	MH04600410010264
Registration No:	**MH46BF6936**
Chassis No:	MAT448237JAN*****
Engine No:	81L848*****
Class of Vehicle:	Goods Carrier
Make:	TATA MOTORS LTD
Model:	SO640J38000RBP4S
Vehicle Category:	HEAVY GOODS VEHICLE
Date of Registration:	05/Jan/2019
Emission Norms:	BHARAT STAGE IV
Fuel:	DIESEL
Date of Testing:	04/Jun/2021

FUEL	Light Absorption Coefficient (Permissible Limit)
DIESEL	1.62

Time of Testing: 17:16:59

Fee Charged: Rs.110.0 (one hundred ten rupees only)

Auto Emission Testing Centre Code: MH0460041

Testing Centre Name: SHREE RAM PUC CENTER

Centre Address: 669, PALAPSE PANVEL,TAL-PANVEL DIST-RAIGAD,410206

Test Conducted By: KALYAN SAFI

TEST RESULT FOR DIESEL VEHICLE

	IDLE RPM	MAX RPM	K VALUE	OIL TEMP
TEST 1	640.0	5116.0	0.43	74.0
TEST 2	1132.0	5142.0	0.51	75.0
TEST 3	874.0	5202.0	0.71	75.0
AVG	882.0	5153.33334	0.55667	74.66667

This is a computer generated certificate and does not require signature

Form 59

[See rules 115 (2)]

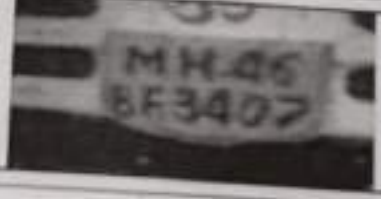
Pollution Under Control Certificate

Authorised By
Government of Maharashtra

Date	:	11/11/2021
Time	:	14:09:54 PM
Validity upto	:	10/11/2022

Certificate Sl. No.	:	MH04600410016739
Registration No	:	MH46BF3407
Date of Registration	:	31/Aug/2018
Month & Year of Manufacturing	:	February,2018
Valid Mobile Number	:	******9080
Emission Norms	:	BHARAT STAGE IV
Fuel	:	DIESEL
PUC Code	:	MH0460041
GSTIN	:	
Fees	:	Rs.110.5(GST 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	0.46

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
(Optional for State)
60mm x 20 mm

POLLUTION UNDER CONTROL CERTIFICATE

Issued By: PANVEL

Authorised by Motor Vehicles Department, Maharashtra

[illegible]

TEST RESULT : PASS

VALID TILL: 23/Jun/2022

DIESEL DRIVEN VEHICLES

Certified that the vehicle conforms to the standards prescribed under rule 115(2) of CMV Rules 1989

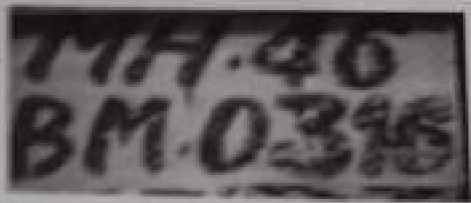
Fuel	Light Absorption Coefficient (Permissible Limit)	Measured Value
DIESEL	1.62	0.65334

Auto Emission Testing Centre Code: [illegible]

Testing Centre Name: [illegible]

Centre Address: [illegible]

Test Conducted By: [illegible]



TEST RESULT FOR DIESEL VEHICLE

	[illegible]	[illegible]	K_VALUE	OIL TEMP
[illegible]	[illegible]	[illegible]	[illegible]	74.0
[illegible]	[illegible]	[illegible]	[illegible]	75.0
[illegible]	[illegible]	[illegible]	[illegible]	75.0
[illegible]	[illegible]	[illegible]	0.65334	75.33334

[illegible]

POLLUTION UNDER CONTROL CERTIFICATE

Issued By: PANVEL

Authorised by Motor Vehicles Department, Maharashtra

TEST RESULT : PASS

VALID TILL: 03/Jun/2022

...Sl. No:	MH04600410010246
...ation No:	**MH46BM0186**
...sis No:	MAT448237KAD*****
...ne No:	51D849*****
...of Vehicle:	Goods Carrier
...	TATA MOTORS LTD
...	50649738000R
...Category:	HEAVY GOODS VEHICLE
...of Registration:	12/Jun/2019
...n Norms:	BHARAT STAGE IV
...	DIESEL
...of Testing:	04/Jun/2021

DIESEL DRIVEN VEHICLES

Certified that the vehicle conforms to the standards prescribed under rule 115(2) of CMV Rules 1989

FUEL	Light Absorption Coefficient (Permissible Limit)	Measured Value
DIESEL	1.62	0.44667

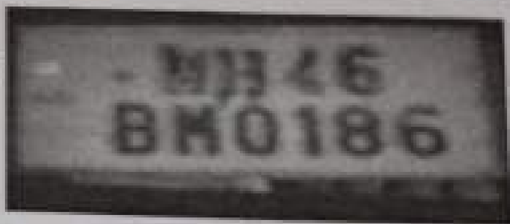
...of Testing:	13:06:18
...Charged:	Rs 110.0 (one hundred ten rupees only)

Auto Emission Testing Centre Code: MH0460041

Testing Centre Name: SHREE RAM PUC CENTER

Centre Address: 669, PALAPSE PANVEL,TAL-PANVEL DIST-RAIGAD,410206

Test Conducted By: KALLYAN SAFI



TEST RESULT FOR DIESEL VEHICLE

	IDLE RPM	MAX RPM	K_VALUE	OIL TEMP
TEST 1	884.0	7122.0	0.29	36.0
TEST 2	905.0	7118.0	0.5	51.0
TEST 3	1464.0	7105.0	0.55	59.0
AVG	1084.33334	7115.0	0.44667	48.66667

This is a computer generated certificate and does not require signature

POLLUTION UNDER CONTROL CERTIFICATE

Issued By: PANVEL

Authorised by Motor Vehicles Department, Maharashtra

TEST RESULT : PASS

DIESEL DRIVEN VEHICLES

Goods Carrier

TATA MOTORS LTD

HEAVY GOODS VEHICLE

BHARAT STAGE VI

DIESEL

FUEL	Light Absorption Coefficient (in m-1 units)	
DIESEL	1.82	[illegible]

Auto Emission Testing Centre Code: [illegible]

Testing Centre Name: SHREE RAM PUC CENTER

Centre Address: [illegible] PALASPE PANVEL,TAL-PANVEL DIST-RAIGAD,410206

Test Conducted By: KALLYAN SAFI

TEST RESULT FOR DIESEL VEHICLE

	IDLE RPM	MAX RPM	K VALUE	OIL TEMP
[illegible]	970.0	2040.0	0.65	0.0
[illegible]	980.0	2320.0	0.01	0.0
[illegible]	[illegible]	2340.0	0.04	0.0
[illegible]	975.66667	2233.33334	0.23334	0.0
				0.0

This is a computer generated certificate and does not require signature

POLLUTION UNDER CONTROL CERTIFICATE

Issued By: PANVEL

Authorised by Motor Vehicles Department, Maharashtra

TEST RESULT : PASS

VALID TILL: 03/Jun/2022

DIESEL DRIVEN VEHICLES

Certified that the vehicle conforms to the standards prescribed under rule 115(2) of CMV Rules 1989

FUEL	Light Absorption Coefficient (Permissible Limit)	Measured Value
DIESE	1.62	0.46

MH0460004[illegible]

MH46BF8150

MAT4[illegible]******

[illegible]******

Goods Carrier

TATA MOTORS LTD

[illegible]

HEAVY GOODS VEHICLE

29/Feb/2019

BHARAT STAGE IV

DIESEL

04/Jun/2021

[illegible]

Rs.[illegible]

(one hundred ten rupees only)

Auto Emission Testing Centre Code: MH0460041

Testing Centre Name: SHREE RAM PUC CENTER

Centre Address: 665, PALASPE PANVEL,TAL-PANVEL DIST-RAIGAD,410206

Test Conducted By: KALLYAN SAFI

TEST RESULT FOR DIESEL VEHICLE

	IDLE RPM	MAX RPM	K_VALUE	OIL TEMP
…T 1	890.0	7091.0	0.15	73.0
…T 2	881.0	7083.0	0.21	74.0
…T 3	[illegible]	7091.0	1.02	73.0
…E	1023.0	7088.33334	0.46	73.33334

This is a computer generated certificate and does not require signature