# SIX MONTHLY COMPLIANCE REPORT OF STIPULATED CONDITIONS OF ENVIRONMENTAL CLEARANCE (January 2022 – June 2022)

Of

Proposed Residential cum Commercial redevelopment known as "Applaud 38"

At

Plot bearing CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka-Malad, Mukadam compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM,

Goregaon

### **Proposed By**

### M/S. IM BUILDCON PVT. LTD.

Plot bearing CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon



# **Enviro Policy Research India Pvt. Ltd (EPRIPL)**

QCI-NABET Accredited Consultant An ISO 9001:2015 Certified Company

607, Oriana Business Park, Road No. 22,

Wagle Estate, Thane (W) – 400604, Maharashtra

Email: <u>manager@eprindia.com</u>; Website: <u>www.eprindia.com</u>

### Submitted to

Maharashtra Pollution Control Board (Mumbai), Environment Department, Mantralaya and Ministry of Environment and Forests and Climate Change (Regional Office)

# **Project Details:**

| Sr. No. | Project details          |  |                            |
|---------|--------------------------|--|----------------------------|
| 1.      | Name of the project      | Proposed Residential cu                          | ım Commercial              |
|         |                          | redevelopment known a                            | s "Applaud 38"             |
| 2.      | Name of the project      | M/S. IM BUILDCON                                 | PVT. LTD.                  |
|         | proponent                |  |                            |
| 3.      | Clearance Identification | EC Identification No.                            | - EC22B038MH110509         |
|         | No. and Date             | dated 10/01/2022 (File                           | No                         |
|         |                          | SIA/MH/MIS/219962/2                              | 2021)                      |
| 4.      | Area Statement:          | 1  |                            |
|         |                          | Proposed in EC                                   | Approved in EC dated       |
|         |                          | Application (sq. m)                              | 10th January 2022          |
|         |                          |  | (sq. m)                    |
|         | Total Plot Area          | 4106.120   | 4106.120                   |
|         | FSI area                 | 22083.98   | 21568.37                   |
|         | Non FSI area             | 19982  | 14367.92                   |
|         | Total Construction area  | 42065.98   | 35936.29                   |
| 5.      | Total no. of flats       | Sale – 201 Flats, 8 Shop                         |                            |
|         |                          | Rehab – 160 Flats, 108                           | 1                          |
| 6.      | Water Requirement of     | Waste Water Generation                           | n: 190 m <sup>3</sup> /day |
|         | the project              | Total Water Requirement: 239 m <sup>3</sup> /day |                            |
| 7.      | STP details              | STP (Sale) – 110 KLD                             |                            |
|         |                          | STP (Rehab) – 90 KLD<br>MBBR Technology          |                            |
| 8.      | Solid waste details      | Wet Waste - 1221 Kg/                             | Day,                       |
|         |                          | Dry Waste – 523 Kg/Da                            | <del>-</del>               |
|         |                          | Total Solid Waste – 174                          | 14 Kg/day                  |

### Monitoring the Implementation of Environmental Safeguards

Ministry of Environment & Forests Regional Office (West Central Zone), Nagpur

Monitoring Report

## PART – I

### **DATA SHEET**

### Date:

| 1. | Proje | ect type: River - valley/ Mining / | : | Residential project   |
|----|-------|------------------------------------|---|---|
|    | Indu  | stry / Thermal / Nuclear / Other   |   | category 8 (a) – B2   |
|    | (spec | eify)                              |   |   |
| 2. | Nam   | e of the project                   | : | Proposed Residential cum Commercial                                       |
|    |       |                                    |   | redevelopment known as "Applaud 38" at                                    |
|    |       |                                    |   | Plot bearing CTS no. 18(pt), 36A/1(pt),                                   |
|    |       |                                    |   | 36A/2(pt), 38A & 62 A/7, Village-   |
|    |       |                                    |   | Dindoshi, Taluka- Malad, Mukadam  |
|    |       |                                    |   | compound, Sahakarwadi, G.M. Link Road,                                    |
|    |       |                                    |   | P South ward of MCGM, Goregaon  |
| 3. | Clea  | rance Identification No. and Date  | : | EC Identification No  |
|    |       |                                    |   | EC22B038MH110509 dated 10/01/2022   |
|    |       |                                    |   | (File No SIA/MH/MIS/219962/2021)  |
| 4. | Loca  | ntion                              | : | Village- Mumbai   |
|    | a.    | District (S)                       | : | Mumbai Suburban   |
|    | b.    | State (S)                          | : | Maharashtra   |
|    | c.    | Latitude/ Longitude                | : | <b>Latitude-</b> 19°10'22.80"N  |
|    |       |                                    |   | <b>Longitude -</b> 72°51′24.06″E  |
| 5. | Add   | ress for correspondence            | : | M/S. IM BUILDCON PVT. LTD.  |
|    |       |                                    |   | Plot bearing CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village- |
|    |       |                                    |   | Dindoshi, Taluka- Malad, Mukadam  |
|    |       |                                    |   | compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon     |
|    | a.    | Address of Concerned Project       | : | Name:   |

|    |       | Chief Engineer ( with pin code &    |   | Address:                                     |
|----|-------|-------------------------------------|---|--|
|    |       | Telephone / telex / fax numbers     |   | Mobile.:                                     |
|    | b.    | Address of Executive Project:       | : | Data required                                |
|    |       | Engineer/Manager (with pincode/     |   |  |
|    |       | Fax numbers)                        |   |  |
| 6. | Salie | ent features                        | : |  |
|    | a.    | of the project                      | : | Annexure A                                   |
|    | b.    | of the environmental management     | : | Annexure B                                   |
|    |       | plans                               |   |  |
| 7. | Brea  | k up of the project area            | : |  |
|    | a.    | submergence area forest &           | : | Non-Forest                                   |
|    |       | non-forest                          |   |  |
|    | b.    | Others                              | : | Annexure – A                                 |
| 8. | Brea  | k up of the project affected        | : | Not Applicable                               |
|    | Popu  | ulation with enumeration of Those   |   |  |
|    | losin | g houses/dwelling units Only        |   |  |
|    | agric | cultural land only, both Dwelling   |   |  |
|    | units | & agricultural Land & landless      |   |  |
|    | labo  | urers/artisan                       |   |  |
|    | a.    | SC, ST/Adivasis                     | : | Not Applicable                               |
|    | b.    | Others                              | : | Not Applicable                               |
|    |       | (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)                |   |  |
| 9. | Fina  | ncial details                       | : |  |
|    | a.    | Project cost as originally planned  | : | Cost of the project: <b>Rs. 137.5 Crores</b> |
|    |       | and subsequent revised estimates    |   |  |

|     |       | and the year of price reference       |   |                                    |
|-----|-------|---------------------------------------|---|------------------------------------|
|     | 1     |                                       |   | 37                                 |
|     | b.    | Allocation made for environ-          | : | Yes. Attached as <b>Annexure C</b> |
|     |       | mental management plans with          |   | Transfer us Transfer of            |
|     |       | item wise and year wise Break-up.     |   |                                    |
|     | c.    | Benefit cost ratio/Internal rate of   | : | -                                  |
|     |       | Return and the year of assessment     |   |                                    |
|     | d.    | Whether (c) includes the              | : | Yes. Refer Annexure - C            |
|     |       | Cost of environmental                 |   |                                    |
|     |       | management as shown in the            |   |                                    |
|     |       | above.                                |   |                                    |
|     | e.    | Actual expenditure incurred on the    | : | Rs. 10 Lakhs (EMP letter attached) |
|     |       | environmental management plans        |   |                                    |
|     |       | so far                                |   |                                    |
| 10. | Fore  | st land requirement                   | : |                                    |
| 10. | a.    | The status of approval for            | : | Not Applicable                     |
|     | a.    | diversion of forest land for non-     | • | Not Applicable                     |
|     |       |                                       |   |                                    |
|     |       | forestry use                          |   |                                    |
|     | b.    | The status of clearing felling        | : | Not Applicable                     |
|     | c.    | The status of compensatory            | : | Not Applicable                     |
|     |       | afforestation, if any                 |   |                                    |
|     | d.    | Comments on the viability &           | : | Not Applicable                     |
|     |       | sustainability of compensatory        |   |                                    |
|     |       | afforestation program in the light    |   |                                    |
|     |       | of actual field experience so far     |   |                                    |
| 11. | The   | status of clear felling in Non-forest | : | Not Applicable                     |
|     | areas | s (such as submergence area of        |   |                                    |
|     | reser | voir, approach roads), if any with    |   |                                    |
|     | quan  | titative information                  |   |                                    |
| 12. | Statu | s of construction                     | : | Architect letter attached          |
|     | a.    | Date of commencement                  | : | Data required                      |
|     |       |                                       |   |                                    |

|     |        | (Actual and/or planned)                   |   |                      |
|-----|--------|---|---|----------------------|
|     | b.     | Date of completion                        | : | Data required        |
|     |        | (Actual and/ of planned)                  |   |                      |
| 13. | Reas   | sons for the delay if the Project is yet  | : | Project work started |
|     | to sta | <mark>art</mark>                          |   |                      |
| 14  | Date   | es of site visits                         | : |                      |
|     | a.     | The dates on which the project was        | : | Not yet visited      |
|     |        | monitored by the Regional Office          |   |                      |
|     |        | on previous Occasions, if any             |   |                      |
|     | b.     | Date of site visit for this               | : | 26.04.2022           |
|     |        | monitoring report                         |   |                      |
| 15. | Deta   | ils of correspondence with Project        | : | Not Applicable       |
|     | auth   | orities for obtaining Action              |   |                      |
|     | plan   | s/information on Status of                |   |                      |
|     | com    | pliance to safeguards Other than the      |   |                      |
|     | routi  | ne letters for Logistic support for       |   |                      |
|     | site   | visits                                    |   |                      |
|     | (The   | first monitoring report may contain       | : | -                    |
|     | the d  | letails of all the Letters issued so far, |   |                      |
|     | but t  | the Later reports may cover only the      |   |                      |
|     | Lette  | ers issued subsequently.)                 |   |                      |

## **Current Status of Work**

| Current status of Construction work |                          | Architect letter is attached |
|-------------------------------------|--------------------------|------------------------------|
| a.                                  | Date of Commencement     | Data required                |
|                                     | (Actual and/ or planned) |                              |
| b.                                  | Date of completion       | Data required                |
|                                     | (Actual and/ or planned) |                              |

### **Undertaking Letter**



Date: 22-04-2022

### **Undertaking**

We, M/s Prism Architects & Interior Designers of M/S. IM BUILDCON PVT. LTD. who have proposed Residential cum Commercial redevelopment known as "Applaud 38" located at Plot bearing CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village-Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon. Environmental clearance vide letter no. EC22B038MH110509 dated 10.1.2022 has been received. We are submitting herewith the current status of the project as follows:

|                             | In sq. m |  |
|-----------------------------|----------|--|
| Total Construction area     | 42065.98 |  |
| Total FSI area              | 22083.98 |  |
| Total Non- FSI area         | 19982    |  |
| Construction done till date | 18465.52 |  |

On basis of approval EC was granted for 21568.37 sq. m FSI, 14367.92 sq. m Non FSI, 35936.29 sq. m Total Built up area.

Thanking You,

Yours Faithfully,

For M/s Prism Architects & Interior Designers

T++9122 2685 6060 F++9122 2685 0101 E+ info@prismgroup.biz W+ www.prismgroup.biz

# Point wise compliance status to various stipulations laid down by the Government of Maharashtra as per the Environmental Clearance issued vide EC Identification No. - EC22B038MH110509 dated 10/01/2022 as follows:

| Sr.<br>No. | Conditions   | Status   |
|------------|--|--|
| SPECI      | FIC CONDITION  |  |
| SEAC       | Conditions   |  |
| I.         | PP to submit IOD/IOA/Confession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Gov. of Maharashtra. | PP has obtained IOA Approval; Rehab- SRA ENG/3343/PS/STGL/AP dated 21 <sup>st</sup> May 2019, Sale- PS/STGOVT/0011/20120327/AP/S dated 23 <sup>rd</sup> August, 2021 Refer <b>Annexure 20</b> for IOA Approval   |
| П.         | PP to reduce the discharge of treated water up to 35% into sewer line.   | The Treated Sewage being discharged to Municipal drains is about 35%.  Water & Sewage Details are presented in Annexure 6  |
| III.       | PP to provide adequate 2-wheeler parking for Sale & Rehab building   | PP has provided 51 nos of 2 wheeler parking.  Plans showing 2 wheeler parking are shown in <b>Annexure 21</b>  |
| IV.        | PP to provide Low Flow Devices (LFD) & Sensors as water conservation measures in operation phase; PP to provide mobile toilets for workers in construction phase & accordingly revise construction & operation phase EMP.  | PP ensures to provide LFD & sensors as water conservation measures in operation phase and ensures to provide mobile toilets for workers in construction phase.  EMP cost inclusive of these was given in Annexure C  An undertaking regarding the same is attached as Annexure 9 |

| SEIAA | Conditions  |   |                               |
|-------|---|---|-------------------------------|
| I.    | PP to keep open space unpaved so as to ensure permeability of water. However, whenever paving is deemed necessary, PP to provide  | PP agreed to this con   | dition.                       |
|       | grass pavers of suitable types & strength to increase the water permeable area as well as to  | RG required   | 320.08 Sq.m                   |
|       | allow effective fire tender movement.   | RG provided on Ground   | 347.36 Sq.m                   |
|       |   | RG provided on Podium 111.62 Sq.n   | 111.62 Sq.m                   |
|       |   | RG provided on<br>Terrace   | 645.37 Sq.m                   |
|       |   | Total RG provided   | 1,104.36<br>Sq.m              |
| II.   | PP to achieve at least 5% of total energy requirement from solar/other renewable sources.   | Energy savings throug<br>sources would be achi<br>Refer <b>Annexure 10</b> fo<br>Saving Calculations                                | leved to 5.4%.                |
| III.  | PP shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF & CC vide F.No.22-34/2018-IA.III dt.04.01.2019  | PP will comply with a EC conditions.  | all the standard              |
| IX.   | SEIAA after deliberation decided to grant EC for- FSI- 21568.37 m2, Non-FSI- 14367.92 m2, Total BUA- 35936.29 m2. (Plan approval Rehab- SRA ENG/3343/PS/STGL/AP dated 21st May 2019, Sale-PS/STGOVT/0011/20120327/AP/S dated 23rd August, 2021) | PP has obtained IOA  Rehab- SRA ENG/33 dated 21 <sup>st</sup> May 2019,  Sale- PS/STGOVT/0011/20 dated 23 <sup>rd</sup> August, 202 | 43/PS/STGL/AP<br>0120327/AP/S |
|       |   | Refer Annexure 20 for Environmental Clattached as Annexure  | earance copy                  |

### **General Condition**

### a) Construction Phase

The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of to the approved sites for land filing after recovering recyclable material.

During operational phase generated solid waste would be collected and segregated into wet and dry waste. Wet waste will be treated by Organic Waste Converter method. The dry waste will be handed over to authorized recyclers. The dried sludge and compost will be used as manure for landscaping.

Solid waste generation details:

- a. Total solid waste: 1744 Kg/day
- b. Biodegradable waste: 1221

### Kg/Day

c. Non-biodegradable waste: **523 Kg/Day** 

Please refer **Annexure – 5** for **details of SWM** 

II. Disposal of muck, Construction spoils, including bituminous material during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in the approved sites with the approval of competent authority.

We have provided designated areas for temporary storage of mucks and are being handed over to concerned authority on daily basis.

III. Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.

Negligible quantities of oil spillage from construction machineries and vehicles is being generated which is disposed off as per rules and norms of MPCB.

| IV.   | Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured. | An adequate drinking water and onsite sanitation facility has been provided to the construction workers.  The sewage generation from the labor hutments is drained in municipal sewer lines.  Debris generated during construction phase is handed to MCGM.  Debris NOC – Annexure 4  Photos of Hygiene and Sanitization Measures for Workers is given Annexure 19 |
|-------|---|--|
| V.    | Arrangement shall be made that waste water and storm water do not get mixed.  | There will be provision of separate storm water drains and sewer line network for the plot.  |
| VI.   | Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.  | For construction purpose ready mix concrete is being used.  Refer Annexure 13 for Purchase order of RMC.   |
| VII.  | The ground water level and its quality should be monitored regularly in consultation with Ground water Authority.   | Refer Annexure-8 for Monitoring Report   |
| VIII. | Permissions to draw ground water for construction of basement if any shall be obtained from competent Authority prior to construction/operation of the project.   | The PP will agree to this condition.  The basement dewatering plan is attached in <b>Annexure 22</b>   |
| IX.   | Fixtures for showers, toilets flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.   | Yes. Low flow water fixtures are proposed.  Please refer as Annexure 9 for undertaking for use of Low flow fixtures in proposed project.   |

| X.    | The Energy Conservation Building code shall be strictly adhered to.   | Energy Conservation Building code has been complied. Proponent proposed CFL, T8, LED lights to conserve energy.  Energy saving details attached as Annexure 10 Undertaking for ECBC Compliance is attached as Annexure 23  |
|-------|---|--|
| XI.   | All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.                                      | Excavated soil is used for backfilling and leveling of the plot and remaining shall be used within site for landscaping.  Excavation permission is attached as Annexure 4  |
| XII.  | 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. | Yes. For the protection and improvement of natural drainage system the additional soil required for levelling shall be used which is generated from within the site (to the extent possible).  |
| XIII. | Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.                   | The construction process does not involve any activity which may lead to leaching of heavy metals and toxic contaminants as the project is construction of residential building. Hence, there is no threat of contamination to sub-soil and ground water. Soil and ground water were tested and the Monitoring reports are |

|        |  | enclosed as <b>Annexure – 8</b>  |
|--------|--|--|
| XIV.   | PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection And preservation of Trees Act, 1975 as amended during the validity of Environmental Clearance.   | Agreed.  Tree NOC attached as Annexure 11  |
| XV.    | The diesel generators 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 DG sets are proposed in the said project.   |
| XVI.   | PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection And Preservation of Tree Act, 1975 as amended during the validity of Environmental Clearance.  | Agreed.  Tree NOC attached as Annexure 11  |
| XVII.  | Vehicles hired for transportation of Raw material shall strictly comply the emission norms prescribed by Ministry of Road Transport & Highways Department. The vehicles shall be adequately covered to avoid spillage/leakages.  | Vehicles used for transportation of material are with valid PUC as per Government norms.  Attached as Annexure 12  |
| XVIII. | 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 | During construction adequate measures are taken to maintain air quality and noise levels within the prescribed limits.  Water sprinkling would be carried out as Dust suppression to arrest fugitive dust arising mainly due to transportation of construction material.  The vehicles hired by the Contractor |

|      |   | for construction purposes are checked  |
|------|---|--|
|      |   | for valid PUC certificates.  |
|      |   | Air and Noise level monitoring is being carried out during the construction phase to ensure that the ambient air quality and noise levels are within the prescribed limits.  The plot is barricaded to avoid spread of pollutants. |
|      |   | The construction is carried out during day time only. The ambient air quality  |
|      |   | and noise levels during the  |
|      |   | construction phase are given as  |
|      |   | Annexure – 8   |
| XIX. | Diesel power generating sets proposed as source of backup power for elevators and common area illumination during construction phase should be enclosed type and conform to rules made under the Environmental (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 diesels are preferred. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board. | In this project DG set is not proposed in operation phase.   |
| XX.  | Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings by a separate environment cell/designated person.  | Regular supervision of site is being carried out.  |

### b) Operation Phase

I. A) The solid waste generated should be properly collected and segregated. b) Wet waste should be treated by Organic Easter Converter and treated waste (manure) should be utilized in the existing premises for gardening And, no wet garbage will be disposed outside the premises. C) Dry/inert solid waste should be disposed of to the approved sites for land filing after recovering recyclable material.

Segregation of non-biodegradable and biodegradable garbage on site.

- Treatment of biodegradable waste: By OWC
- Segregation, storages facilities for all solid waste streams
- Non- biodegradable garbage: Will be segregated into recyclable and non-recyclable waste. Recyclable waste shall be handed over to recyclers and non-recyclable waste shall be handed over to MCGM.
- E waste generated during operation phase shall be stored separately and disposed of to the recyclers authorized by MPCB

SWM details attached as **Annexure 5** 

II. E-waste shall be disposed through Authorizes vendor as per E-waste (Management and Handling) rules, 2016.

III.

Yes, developer has agreed to follow the mentioned condition. E-waste will be disposed through Authorized vendor as per E-waste (Management and Handling) rules, 2016.

A) The installation of the sewage treatment plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and

A) Noted. PP will submit certificate after installation of STP.

During operational phase 190 KLD

Environment department before the project is commissioned for operation. Treated effluent emanating from STP shall by recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odor problem for STP b) PP to give 100% treatment to sewage/ Liquid waste and explore the possibility to recycle at least 50% of water, Local authority should ensure this.

sewage will be generated which will be treated in STP of total capacity 200 KLD. (STP (Sale) – 110 KLD

STP (Rehab) - 90 KLD)

Treated effluent emanating from STP will be recycled/reused for gardening and flushing. [Flushing: 83 KLD + Gardening: 7 KLD (Total: 90 KLD)]

Proper ventilation will be provided to mitigate the odor problem for STP.

Section of STP is given in **Annexure**- 6

b) 65.58 % of water will be recycled and remaining 34.4% will be released into public sewer. Sewerage line remarks has been obtained [Rehab - No.Dy.Ch/E/S.P/174/P/S/P&D dated 23.12.2020 Sale - No.Dy.Ch/E/S.P/189/P/S/P&D dated 28.10.2021]

Refer Annexure – 6 for details of Sewage Generation and Treatment

IV. Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging into sewer line No physical occupation or allotment will be

Agreed. PP will ensure that prior to occupation of the buildings the STP, MSW disposal facility and green belt development will be completed.

During operational phase 190 KLD sewage will be generated which will be treated in STP of **total capacity 200 KLD** (STP (Sale) – 110 KLD,

|      | given unless all above said environmental  | STP (Rehab) – 90 KLD) of MBBR  |  |
|------|--|--|--|
|      | infrastructure is installed and made functional  | type. The treated water will be used   |  |
|      | including water requirement.   | for flushing and gardening. PP will  |  |
|      |  | explore the possibility to give excess   |  |
|      |  | treated water in the adjacent area for   |  |
|      |  | gardening before discharging into  |  |
|      |  | sewer line.  |  |
|      |  |  |  |
|      |  | Refer Annexure – 6 for details of  |  |
|      |  | Sewage Generation and Treatment  |  |
|      |  | Refer Annexure – 5 for details of  |  |
|      |  | Solid waste management.  |  |
|      |  | Defen America 7 for details of   |  |
|      |  | Refer Annexure – 7 for details of  |  |
|      |  | Green Belt development plan.   |  |
| V.   | The Occupancy certificate shall be issued by   | Agreed. PP will assure that  |  |
|      | the local planning Authority to the project  | Occupancy certificate will be taken after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper |  |
|      | only after ensuring sustained availability of<br>drinking water, connectivity of sewer line to |  |  |
|      | the project site and proper disposal of treated  |  |  |
|      | water as per environmental norms.  |  |  |
|      |  | disposal of treated water as per   |  |
|      |  | environmental norms.   |  |
| VI.  | Traffic congretion near the entery and soit  | Dublic road and public area are ret  |  |
| V 1. | Traffic congestion near the entry and exit point from the roads adjoining the proposed         | Public road and public area are not  |  |
|      | project site must be avoided. Parking should   | being used for project activity purpose  |  |
|      | be fully internalized and no public space  | and are free from smooth traffic movement. Provisions are made for   |  |
|      | should be utilized.  |  |  |
|      |  | adequate parking facilities within the   |  |
|      |  | project complex and no public space  |  |
|      |  | will be used for parking of vehicles.  |  |
|      |  | No. of parking provided: 4 Wheelers –  |  |

|       |   | 272 nos   |
|-------|---|---|
|       |   | 2 Wheelers – 51 nos   |
|       |   | Refer Annexure 14 for Parking   |
|       |   | Statement & Parking Plans.  |
| VII.  | PP to provide adequate electric charging points for electric vehicles (Evs).  | Agreed. PP has provided 62 (30.39 %) electric charging points for vehicles.  Please refer <b>Annexure 15</b>  |
| VIII. | Green belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture dept.   | Landscape area:  Total RG area provided: 1,104.36 Sq.m  No. of trees to be planned: On ground 222 nos.  Refer Annexure – 7 for details of landscape plan.  Tree NOC – Annexure- 11  |
| IX.   | A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.  | The Existing environment management cell have qualified staff that is looking after the EHS activities and during operational phase society chairman will timely keep update of environment services.  Refer Annexure 16 for Environment Management Cell. |
| Х.    | Separate funds shall be allocated for implementation of environmental protection measures/ EMP along with item wise breakup. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be | Separate funds are allocated for environment protection measures.  Refer Annexure C the Budgetary allocation and expenditure done up till   |

|       | diverted for others purposes.   | now for Environment STP Plan.  |
|-------|---|--|
| XI.   | The project management shall advertise at least in two local newspaper wisely 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 | We have given advertisement in two local newspapers.  Refer Annexure 17 for newspaper advertisement.   |
| XII.  | Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard and soft copies to the MPCB and this department, on 1st June and 1st December of each calendar year.  | PP Agreed. This is our first compliance report June 2022 and developer will submit the same in hard copy format and soft copy format to MPCB, CPCB and MoEF regional office. |
| XIII. | 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.   | Developers have submitted copy of Environment clearance to local municipal corporation.  Refer Annexure 24   |
| XIV.  | 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  | We will submit six monthly report copies to MPCB, CPCB and MoEF regional office.  Refer Annexure 8 for monitoring results.   |

|       | 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 public domain.        |   |
|       |   |   |
| c) (  | General EC Conditions                             |   |
| -     |   | T                                       |
| I.    | PP has to strictly abide by the conditions        | Yes, developer has agreed to follow     |
|       | stipulated by SEAC & SEIAA.                       | the mentioned condition.                |
| TT    | If and the literature of Extellishment shall be   | The DD has taken Community and high     |
| II.   | If applicable consent of Establishment shall be   | The PP has taken Consent to establish   |
|       | obtained from Maharashtra Pollution Control       | vide letter no.                         |
|       | Board under Air and Water act and a copy          | Format1.0/BO/JD(WPC)/UAN No.            |
|       | shall be submitted to the Environment             | 80210/CE/CC-2011000955 dated            |
|       | department before start of any construction       | 13.11.2020. The copy of same is         |
|       | work at the site.                                 | attached in <b>Annexure 18</b>          |
|       | , , , , , , , , , , , , , , , , , , ,             |   |
| III.  | Under the provisions of Environment               | Received Environmental Clearance        |
|       | (Protection) Act 1986, legal action shall be      | from MoEF EC Identification No          |
|       | initiated against the project proponent if it was | EC22B038MH110509 dated                  |
|       | found that construction of the project has been   | 10/01/2022 Attached as Annexure 1       |
|       |   | IVIVII IVII I I I I I I I I I I I I I I |
|       | started without obtaining environmental           |   |
|       | clearance.  |   |
| IV.   | The project proponent shall also submit six       | We are enclosing status of the project  |
| _ • • | monthly reports on the status of compliance of    | along with six monthly report to        |
|       |   |   |
|       | the stipulated EC conditions including results    | respective MoEF regional office,        |
|       | of monitored data (both in hard copies as well    | MPCB and CPCB office both in hard       |
|       | as by e-mail) to the respective regional office   | copy and as well as by email format.    |
|       | of MoEF, the respective Zonal Office of           | Defen America & for monitoring          |
|       | CPCB and SPCB.                                    | Refer Annexure 8 for monitoring         |
|       |   | reports.                                |
| V.    | The environmental statement for each              | The Consent to establish is obtained in |
| •     | The chynomichal statement for cach                | The consent to establish is obtained in |

financial year ending 31st March in form-V as November 2020. We are going to submit first Environment statement in is mandated to be submitted by the project proponent to the concerned state pollution this Financial year (April 2021 to control board as prescribed under the March 2022). We will submit Act,1986. Environment (Protection) Environment statement each year to MPCB, CPCB and regional MoEF amended subsequently shall also be put on the website of the company along with the status office. of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail. No further Expansion or modifications, other PP received Environmental Clearance than mentioned in the EIA Notification, 2006 identification and its amendments, shall be carried out EC22B038MH110509 dated without prior approval of the SEIAA. In case 10/01/2022 attached as Annexure 1 of deviations or alterations in the project The PP has agreed for this mentioned proposal from those submitted tp SEIAA for condition. clearance, a fresh reference shall be made to the SEIAA as applicable to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any. Not Applicable as the project site is This Environmental Clearance is issued subject to obtaining NOC from forestry and not in the forest area and also does not wildlife angel including clearance from the fall in standing committee of the national board for Eco-Sensitive zone of SGNP. Wild life as applicable & this environment clearance does not necessarily implies that The Google location of the project is Forestry & Wildlife clearance granted to the attached as Annexure 2. project which will be considered separately on The EC has been obtained which is merit. attached as Annexure 1

VI.

VII.

## **Project Details:**

| Sr.<br>No. | Description                    |   | Detai                                    | ls   |
|------------|--------------------------------|---|--|--|
| 1          | Area Details                   |   |  |  |
|            |                                | Particulars   | Proposed in EC<br>Application (sq.<br>m) | Approved in EC dated 10 <sup>th</sup> January 2022 (sq. m)                                       |
|            |                                | Plot Area (sq. m.)  | 4106.120                                 | 4106.120   |
|            |                                | FSI Area (sq m.)  | 22083.98                                 | 21568.37   |
|            |                                | Non-FSI (sq. m.)  | 19982                                    | 14367.92   |
|            |                                | Proposed built-<br>up area (FSI +<br>Non FSI) (sq.<br>m.) | 42065.98                                 | 35936.29   |
| 2          | Building Configuration         | Height – 119.95 n   | n<br>-1st to 5th Commer                  | ums+4 <sup>th</sup> floor to 38 <sup>th</sup> reial floors + 6 <sup>th</sup> to 22 <sup>nd</sup> |
| 3          | No. of Tenements & Shops       | Sale – 201 Flats,<br>Rehab – 160 Flats                    | _  |  |
| 4          | Total Population (Nos.)        | 2111  |  |  |
| 5          | Total Water Requirements (CMD) | 239 m <sup>3</sup> /day                                   |  |  |
| 6          | Sewage Generation (CMD)        | 190 m <sup>3</sup> /day                                   |  |  |
| 7          | STP Capacity & Technology      | STP (Sale) – 110<br>STP (Rehab) – 90<br>MBBR Technolog    | KLD                                      |  |

| Sr.<br>No. | Description                              | D   | <b>Details</b>                        |
|------------|--|---|---------------------------------------|
| 8          | STP Location                             | Basement 1                                |                                       |
| 9          | Total Solid Waste Quantities             | Wet Waste - 1221 Kg/Day,                  |                                       |
|            |  | Dry Waste – 523 Kg/Day                    |                                       |
|            |  | Total Solid Waste – <b>1744</b> Kg/da     | NV                                    |
| 10         | P.C. Area (cg. m)                        | Total Bolld Waste 1744 Rg/da              | y                                     |
| 10         | R.G. Area (sq. m).                       | DC · I                                    | 220.00 g                              |
|            |  | RG required                               | 320.08 Sq.m                           |
|            |  | RG provided on Ground                     | 347.36 Sq.m                           |
|            |  | RG provided on Podium                     | 111.62 Sq.m                           |
|            |  | RG provided on Terrace                    | 645.37 Sq.m                           |
|            |  | Total RG provided                         | 1,104.36 Sq.m                         |
| 14         | Power requirement                        | During Operation Phase:                   |                                       |
|            |  | 1 1                                       | 2110 KW (Rehab) and 3865<br>KW (Sale) |
|            |  | Demand Load (kW)                          | 856 KW (Rehab) and 1119<br>(Sale)     |
| 15         | Energy Efficiency                        | Overall energy savings – 18.6 %           | )                                     |
|            |  | Energy savings through renewab            | bie component – 5.4%                  |
| 16         | D.G. set capacity                        | NA  |                                       |
| 17         | Parking 4W & 2W                          | 4 Wheelers – 272 nos                      |                                       |
|            |  | 2 Wheelers – 51 nos                       |                                       |
| 18         | Rain water harvesting scheme             | 60 cum                                    |                                       |
| 19         | Project Cost in (Cr.)                    | 137.5 Cr                                  |                                       |
| 20         | EMP Cost                                 | Construction Phase – 29.05 Lak            | hs                                    |
|            |  | Operation Phase – 405.02 Lakhs            | S                                     |
| 21         | CER Details (with justification, if any) | Not applicable (as per MoEF&C 30.09.2020) | CC OM F. NO. 22-65/2017-IA.III dt.    |

### **List of Annexures**

| Annexure No. | Annexure Name                                   |
|--------------|---|
| 1.           | EC Copy   |
| 2.           | Google Location                                 |
| 3.           | Project layout                                  |
| 4.           | Debris NOC                                      |
| 5.           | Solid waste management details                  |
| 6.           | Water budget, Sewage Generation and Treatment   |
|              | Details   |
| 7.           | Landscape details                               |
| 8.           | Monitoring Reports                              |
| 9.           | Undertaking for Low flow fixture devices and    |
|              | sensors   |
| 10.          | Energy saving calculation                       |
| 11.          | Tree NOC letter and plan                        |
| 12.          | PUC Certificate                                 |
| 13.          | RMC Purchase Order                              |
| 14.          | Parking Statement & Plans                       |
| 15.          | Electric Charging Point                         |
| 16.          | Environment Management Cell                     |
| 17.          | Newspaper Advertisement                         |
| 18.          | Consent to Establish Copy                       |
| 19.          | Photos of Hygiene and Sanitization Measures for |
|              | Workers   |
| 20.          | IOA approval                                    |
| 21.          | Two wheeler parking plans                       |
| 22.          | Basement Dewatering Plan                        |
| 23.          | Undertaking for ECBC Compliance                 |
| 24.          | Acknowledgement of EC letter submitted to local |
|              | body and NGO                                    |

# ENVIRONMENTAL CLEARANCE

# Pro-Active and Responsive Facilitation by Interactive, Virtuous Environmental Single-Window Hub)

PARIVESH



### Government of India Ministry of Environment, Forest and Climate Change (Issued by the State Environment Impact Assessment Authority(SEIAA), Maharashtra)

To,

The Managing Director M/S. IM BUILDCON PVT. LTD. 618, Corporate Avenue, Sonawala Lane, Goregoan, Mumbai -400063

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

Sir/Madam.

2

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/MH/MIS/219962/2021 dated 14 Jul 2021. The particulars of the environmental clearance granted to the project are as below.

EC Identification No.

EC22B038MH110509

File No. 3.

SIA/MH/MIS/219962/2021

Project Type

New

Category 4.

8(a) Building and Construction projects

Project/Activity including Schedule No.

Name of Project

Residential cum Commercial redevelopment known as "Applaud 38" located at Plot bearing CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Goregaon

Name of Company/Organization

M/S. IM BUILDCON PVT. LTD.

Location of Project

Maharashtra

**TOR Date** 

N/A

The project details along with terms and conditions are appended herewith from page

Date: 10/01/2022

(e-signed) Manisha Patankar Mhaiskar Member Secretary SEIAA - (Maharashtra)



and

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH.Please quote identification number in all future correspondence.

This is a computer generated cover page.

EC Identification No. - EC22B038MH110509 File No. - SIA/MH/MIS/219962/2021 Date of Issue EC - 10/01/2022 Page 1 of 9

### STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment & Climate Change Department Room No. 217, 2<sup>nd</sup> Floor, Mantralaya, Mumbai- 400032.

To M/s. IM Buildcon Pvt. Ltd., CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon- East, Mumbai.

Subject

: Environmental Clearance for Proposed Residential cum Commercial redevelopment at Plot bearing CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon-East, Mumbai by M/s. IM Buildcon Pvt. Ltd.

Reference : Application no. SIA/MH/MIS/219962/2021

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC-2 in its 156<sup>th</sup> meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 234<sup>th</sup> (Day-3) meeting of State Level Environment Impact Assessment Authority (SEIAA).

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

| Sr.<br>No. | Description              | Details  | 3                         |
|------------|--------------------------|--|---------------------------|
| 1          | Area Details             | Particulars  | Details (m <sup>2</sup> ) |
|            |                          | Plot Area (sq. m.)   | 4,106.120                 |
|            |                          | FSI Area (sq m.)   | 22,083.98                 |
|            |                          | Non-FSI (sq. m.)   | 19,982                    |
|            |                          | Proposed built-up area (FSI + Non FSI) (sq. m.)  | 42,065.98                 |
| 2          | Building Configuration   | Sale - B+Gr+Upper ground + 3<br>Height – 119.95 m<br>Rehab - Ground+1st to 5th Con<br>22 <sup>nd</sup><br>Height – 69.40 m |                           |
| 3          | No. of Tenements & Shops | Sale – 201 Flats, 8 Shops<br>Rehab – 160 Flats, 108 Shops  |                           |
| 4          | Total Population (Nos.)  | 2111   |                           |

EC Identification No. - EC22B038MH110509 File No. - SIA/MH/MIS/219962/2021 Date of Issue EC - 10/01/2022 Page 2 of 9

|                      |                                  |                  | 239 m³/day   | tal Water Requirements                             | 5  |
|----------------------|----------------------------------|------------------|--|--|----|
|                      |                                  |                  | 190 m <sup>3</sup> /day  | wage Generation (CMD)                              | 6  |
|                      |                                  |                  | STP (Sale) – 110 KLD   | TP Capacity &                                      | 7  |
| STP (Rehab) – 90 KLD |                                  | chnology         |  |  |    |
|                      |                                  |                  | MBBR Technology  |  |    |
|                      |                                  |                  | Basement 1   | P Location   | 8  |
|                      |                                  |                  | Wet Waste - 1221 Kg/Da   | otal Solid Waste                                   | 9  |
|                      |                                  | ay               | Dry Waste – 523 Kg/Day   | uantities  |    |
|                      | ay                               | 14 Kg/d          | Total Solid Waste - 1744   |  |    |
|                      |                                  |                  |  | G. Area (sq. m).                                   | 10 |
|                      | 320.08 Sq.m                      |                  | RG required  |  |    |
|                      | 347.36 Sq.m                      | nd               | RG provided on Ground  |  |    |
|                      | 111.62 Sq.m                      | ım               | RG provided on Podium  |  |    |
|                      | 645.37 Sq.m                      | ce               | RG provided on Terrace   |  |    |
| 1                    | 1,104.36 Sq.m                    |                  | Total RG provided  |  |    |
|                      |                                  | e:               | During Operation Phase:  | ower requirement                                   | 14 |
|                      |                                  | 1                | Details  |  |    |
| and                  | 10 KW (Rehab) an<br>65 KW (Sale) |                  | Connected Load (kW)  |  |    |
| ınd 1119             | 6 KW (Rehab) and ale)            | 85               | Demand Load (kW)   |  |    |
|                      |                                  |                  | Overall energy savings –   | nergy Efficiency                                   | 15 |
| -5.4%                |                                  |                  | Energy savings through re  | ici6j Efficiency                                   | 13 |
|                      |                                  |                  | NA   | .G. set capacity                                   | 16 |
|                      |                                  |                  | 4 Wheelers – 272 nos.  | arking 4W & 2W                                     | 17 |
|                      |                                  |                  | 2 Wheelers – 51 nos.   |  | 1  |
|                      |                                  |                  |  | ain water harvesting                               | 18 |
|                      | V                                |                  |  | heme   |    |
|                      |                                  |                  | 137.5 Cr   | roject Cost in (Cr.)                               | 19 |
|                      | khs                              | 9.05 La          | Construction Phase - 29.0  | MP Cost  | 20 |
|                      |                                  |                  | Operation Phase – 405.02   |  |    |
| 22-                  | CC OM F. NO. 22                  | MoEF&            | Not applicable (as per Mo  | ER Details (with                                   | 21 |
|                      |                                  |                  | 65/2017-IA.III dt. 30.09.2   | stification, if any)                               |    |
|                      | ns<br>CC OM F. NO. 2             | .02 Lak<br>MoEF& | 137.5 Cr<br>Construction Phase – 29.0<br>Operation Phase – 405.02<br>Not applicable (as per Mo | heme roject Cost in (Cr.) MP Cost ER Details (with | 19 |

3. Proposal is a new construction project. Proposal has been considered by SEIAA in its 234<sup>th</sup> (Day-3) 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-

 PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions thereunder as per the circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.

EC Identification No. - EC22B038MH110509 File No. - SIA/MH/MIS/219962/2021 Date of Issue EC - 10/01/2022 Page 3 of 9

- 2. PP to reduce the discharge of treated water up to 35% into sewer line.
- 3. PP to provide adequate 2-wheeler parking for Sale & Rehab building.
- 4. PP to provide Low Flow Devices (LFD) & Sensors as water conservation measures in operation phase; PP to provide mobile toilets for workers in construction phase & accordingly revise construction & operation phase EMP.

#### **B. SEIAA Conditions-**

- PP to keep open space unpaved so as to ensure permeability of water. However, whenever paving is deemed necessary, PP to provide grass pavers of suitable types & strength to increase the water permeable area as well as to allow effective fire tender movement.
- PP to achieve at least 5% of total energy requirement from solar/other renewable sources.
- 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.
- SEIAA after deliberation decided to grant EC for FSI- 21568.37 m2, Non-FSI- 14367.92 m2, Total BUA- 35936.29 m2. (Plan approval-Rehab SRA ENG/3343/PS/STGL/AP dated 21st May 2019, Sale PS/STGOVT/0011/20120332/AP/S dated 23rd August, 2021).

### **General Conditions:**

### a) Construction Phase :-

- The solid waste generated should be properly collected and segregated. Dry/inert solid
  waste should be disposed of to the approved sites for land filling after recovering
  recyclable material.
- II. Disposal of muck, Construction spoils, including bituminous material during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in the approved sites with the approval of competent authority.
- III. Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
- IV. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- V. Arrangement shall be made that waste water and storm water do not get mixed.
- VI. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.
- VII. The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
- VIII. Permission to draw ground water for construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
- IX. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.

EC Identification No. - EC22B038MH110509 File No. - SIA/MH/MIS/219962/2021 Date of Issue EC - 10/01/2022 Page 4 of 9

- X. The Energy Conservation Building code shall be strictly adhered to.
- XI. All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- XII. Additional soil for levelling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
- XIII. Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
- XIV. PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.
- XV. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
- XVI. PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.
- XVII. Vehicles hired for transportation of Raw material shall strictly comply the emission norms prescribed by Ministry of Road Transport & Highways Department. The vehicle shall be adequately covered to avoid spillage/leakages.
- XVIII. 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.
- XIX. Diesel power generating sets proposed as source of backup power for elevators and common area illumination during construction phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel is preferred. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
- XX. Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings by a separate environment cell /designated person.

### B) Operation phase:-

- I. a) The solid waste generated should be properly collected and segregated. b) Wet waste should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. c) Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.
- II. E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
- III. a) The installation of the Sewage Treatment Plant (STP) should be certified by an

EC Identification No. - EC22B038MH110509 File No. - SIA/MH/MIS/219962/2021 Date of Issue EC - 10/01/2022

Page 5 of 9

independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP. b) PP to give 100 % treatment to sewage /Liquid waste and explore the possibility to recycle at least 50 % of water, Local authority should ensure this.

- IV. Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement.
- V. The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.
- VI. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
- VII. PP to provide adequate electric charging points for electric vehicles (EVs).
- VIII. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture Dept.
- IX. A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- X. Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes.
- XI. The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://parivesh.nic.in
- XII. 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.
- XIII. 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.
- XIV. 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;

EC Identification No. - EC22B038MH110509 File No. - SIA/MH/MIS/219962/2021 Date of Issue EC - 10/01/2022 Page 6 of 9

SPM, RSPM. SO2, NOx (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

### C) General EC Conditions:-

- I. PP has to strictly abide by the conditions stipulated by SEAC& SEIAA.
- II. If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
- III. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.
- IV. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
- V. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
- VI. No further Expansion or modifications, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted to SEIAA for clearance, a fresh reference shall be made to the SEIAA as applicable to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- VII. This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
- 4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
- 5. This Environment Clearance is issued purely from an environment point of view without prejudice to any court cases and all other applicable permissions/ NOCs shall be obtained before starting proposed work at site.
- 6. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.
- 7. Validity of Environment Clearance: The environmental clearance accorded shall be valid

EC Identification No. - EC22B038MH110509 File No. - SIA/MH/MIS/219962/2021 Date of Issue EC - 10/01/2022 Page 7 of 9

as per EIA Notification, 2006, amended from time to time.

- 8. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
- 9. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1<sup>st</sup> 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 Patankar-Mhaiskar (Member Secretary, Shill 222

### Copy to:

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

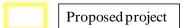
EC Identification No. - EC22B038MH110509 File No. - SIA/MH/MIS/219962/2021 Date of Issue EC - 10/01/2022

Page 8 of 9

**Annexure 2: Google Location** 

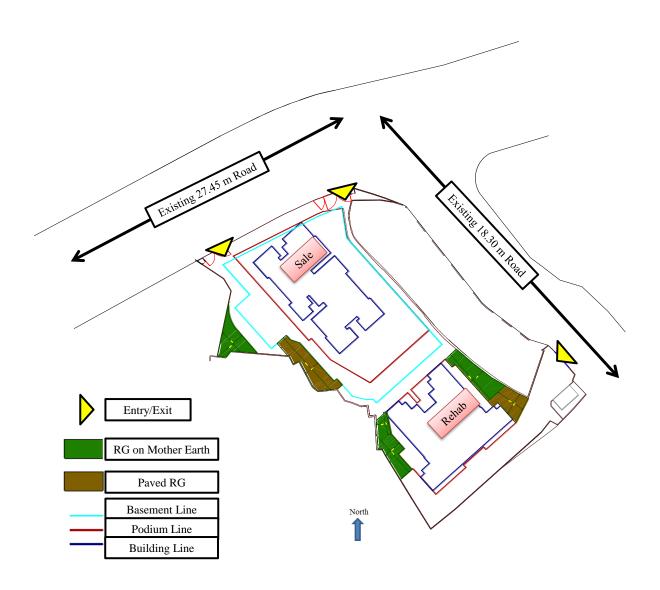




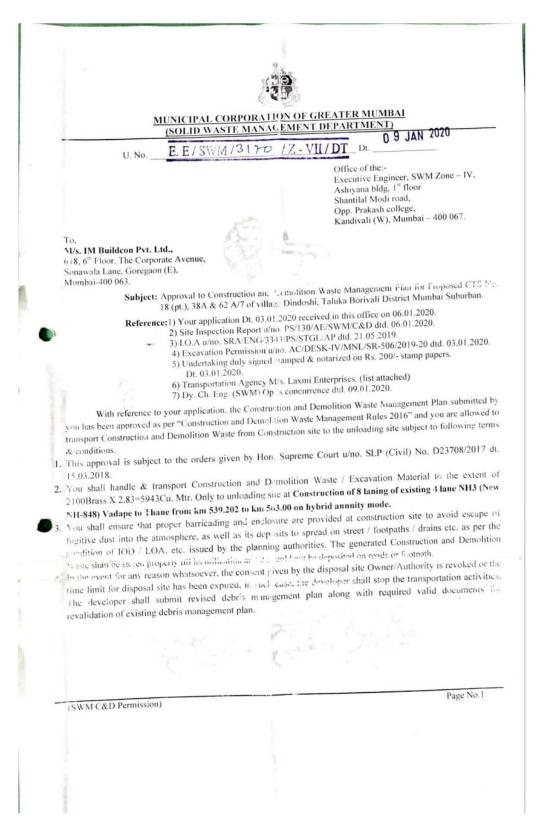


ENTRY/EXITS

**Annexure 3: Project Layout** 



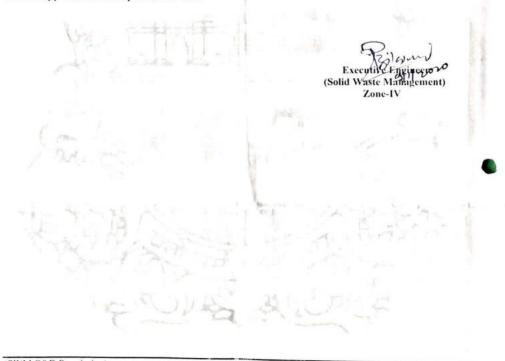
### **Annexure 4: Debris NOC**



#### Annexure 4: Debris NOC

- 5. The deployed vehicles shall abide all the R.T.O rules and regulations. You shall ensure that the vehicle 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.
- 6. The copy of approved Construction and Demolition Waste 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 authority of unloading site. The developer shall maintain record of C & D material transported and shall make it available to MCGM or Monitoring Committee.
- 7. 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 will be held responsible for fraudulent practices the owner / applicant shall be liable for action as per rules.
- This approval is not valid for the areas covered with Mangroves & CRZ contravention of this clause will attract prosecution under the Environment Protection Act & other relevant Acts.
- The approval granted hereto does not absolve the other approvals required from the other department of NICGM OR Government 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
- Violation of any condition stated above will attract the action as per the prevailing Construction & Demolition Waste Management Rules, 2016 & MCGM may revoke this approval without assigning any reason thereto.
- 13. This approval is not permission for excavation or permission for dumping but this is the only approval and Construction & Demolition Waste Management Plan for transportation of Construction & Demolition Waste for filling & leveling at designated unloading site.

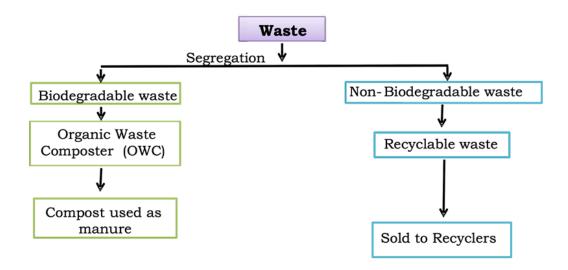
14. This approval is valid up to 02.04.2020.



(SWM C&D Permission)

Page No.2

**Annexure 5: Details of SWM** 



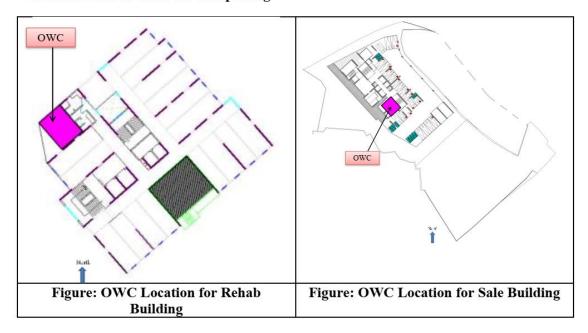
### **OWC DETAILS**

#### **Solid Waste Generation Details**

Solid Waste generation details

| Type                 | Rehab      | Sale        | Total       |
|----------------------|------------|-------------|-------------|
| Wet waste            | 304 Kg/Day | 917 Kg/Day  | 1221 Kg/day |
| Dry waste            | 130 Kg/Day | 393 Kg/Day  | 523 Kg/day  |
| Total solid<br>waste | 434 Kg/Day | 1310 Kg/day | 1744 Kg/day |

### **Location of SWM Units for Composting**



Location: 1st Podium (Rehab) & 3rd Podium (Sale)

### **OWC Layout and Details**

### A]Rehab Building

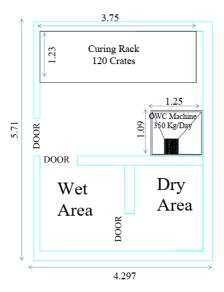


Figure: OWC Layout for Rehab Building

1 OWC Machine of 350 Kg/Day for Rehab is proposed.

**OWC Details For Rehab** 

| Particulars               | Details                     |  |  |
|---------------------------|-----------------------------|--|--|
| OWC Machine Proposed      | 350 Kg/Day                  |  |  |
| Curing Rack Proposed      | 1 Curing Rack of 120 Crates |  |  |
| Capacity of 1 Crate       | 30 Kg/Day                   |  |  |
| Capacity of 1 Curing Rack | 3600 Kg/Day                 |  |  |
| Waste Generated Per Day   | 304 Kg/Day                  |  |  |

Curing Racks have been thus designed to have 12-14 days of storage.

#### B] Sale Building

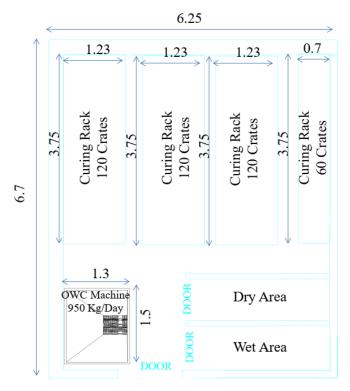


Figure: OWC Layout for Sale Building

1 OWC Machine of 950 Kg/Day for Rehab is proposed.

**OWC Details For Rehab** 

| Particulars                   | Details                      |  |  |
|-------------------------------|------------------------------|--|--|
| OWC Machine Proposed          | 950 Kg/Day                   |  |  |
| Curing Rack Proposed          | 3 Curing Racks of 120 Crates |  |  |
|                               | 1 Curing Rack of 60 Crates   |  |  |
| Capacity of 1 Crate           | 30 Kg/Day                    |  |  |
| Total Capacity of Curing Rack | 12600 Kg/Day                 |  |  |
| Waste Generated Per Day       | 917 Kg/Day                   |  |  |

Curing Racks have been thus designed to have 12-14 days of storage.

# **Annexure 6: Water Budget, Sewage Generation and Treatment details**

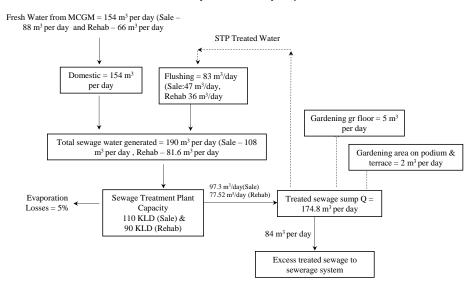
# Sewage water generation details

| Particulars                                      | Project   |
|--|---|
| Total water requirement                          | 244 m <sup>3</sup> /day (Sale – 141 m <sup>3</sup> per day, Rehab – 103 m <sup>3</sup> per day) |
| Domestic Water Requirement                       | 154 KLD   |
| Flushing Water Requirement                       | 83 KLD  |
| Gardening Water Requirement                      | 7 KLD   |
| Sewage generation                                | 190 m <sup>3</sup> /day<br>(Sale - 108 KLD, Rehab - 82 KLD)                                     |
| STP capacity                                     | STP (Sale) – 110 KLD<br>STP (Rehab) – 90 KLD<br>MBBR Technology shall be used for type of STP   |
| STP Location                                     | Basement 1 with natural ventilation from Ground Level.  |
| STP area   | STP (Sale) – 53 Sq.m<br>STP (Rehab) – 140 Sq.m  |
| Amount of Water Recycled and Reuse               | Flushing: 83 KLD + Gardening: 7 KLD (Total: 90 KLD)   |
| Amount of water being released into public sewer | 84 KLD  |
| % of water being released into public sewer      | 34.4 %  |

#### **Water Balance Diagram**

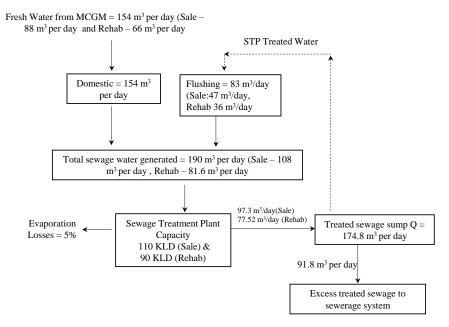
### WATER BUDGET - DRY SEASON

#### Total Water Requirement is 244m³ per day

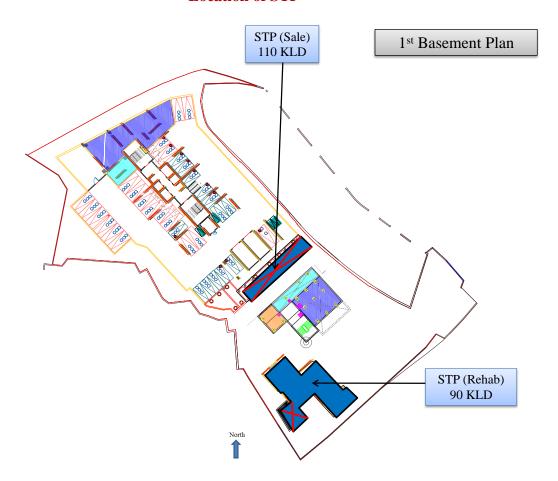


# WATER BUDGET – WET SEASON

#### Total Water Requirement is 237 m³ per day

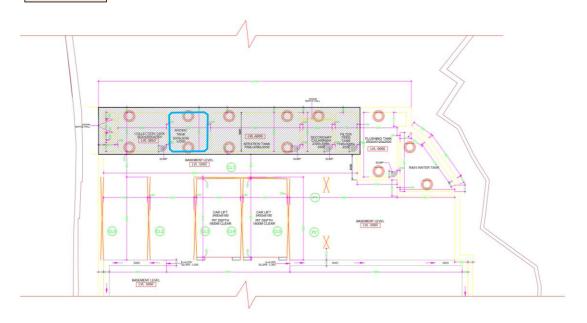


### **Location of STP**



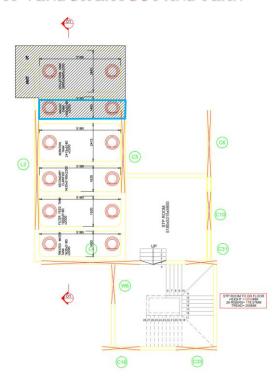
# STP VENDOR LAYOUT AND PLAN

STP FOR SALE



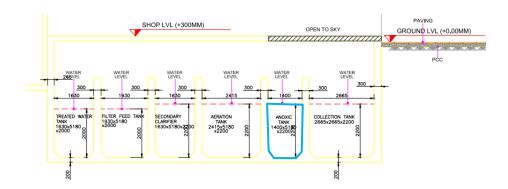
#### STP VENDOR LAYOUT AND PLAN

STP FOR REHAB

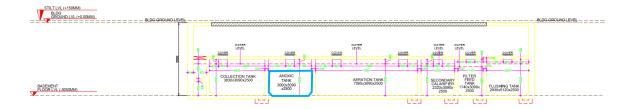


### **STP SECTION**

Rehab

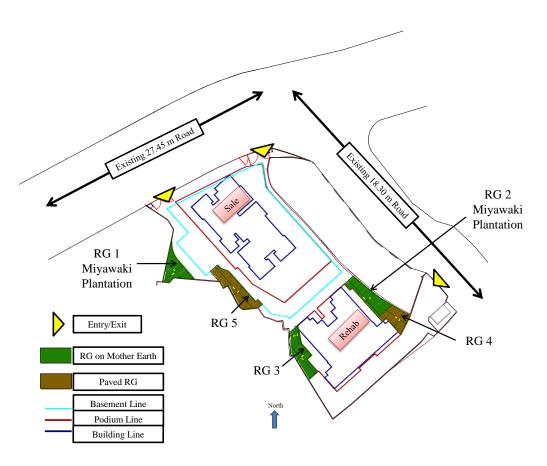


Sale



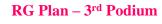
### **Annexure 7: Landscape details**

#### **RG Plan - Ground**



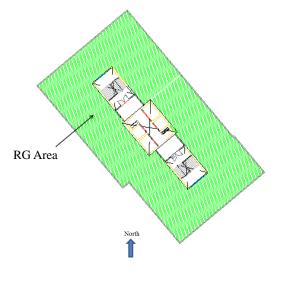
| Particulars                  | Details             |  |  |
|------------------------------|---------------------|--|--|
| Total Plot Area              | 4,106.120 Sq.m      |  |  |
| Deductions                   | 105.533 Sq.m        |  |  |
| Net plot area                | 4,000.587 Sq.m      |  |  |
| % of RG as per DC Regulation | 8% of Net plot Area |  |  |
| RG Requirement               | 320.08 Sq.m         |  |  |
| RG Area Proposed             | 1,104.36 Sq.m       |  |  |

| Ground RG – Total               | 206.26 Sq.m (Green) |  |
|---------------------------------|---------------------|--|
|                                 | 141.10 Sq.m (Paved) |  |
|                                 | Total – 347.36 Sq.m |  |
| 3 <sup>rd</sup> Podium RG Total | 111.62 Sq.m         |  |
| Terrace RG Total                | 645.37 Sq.m         |  |



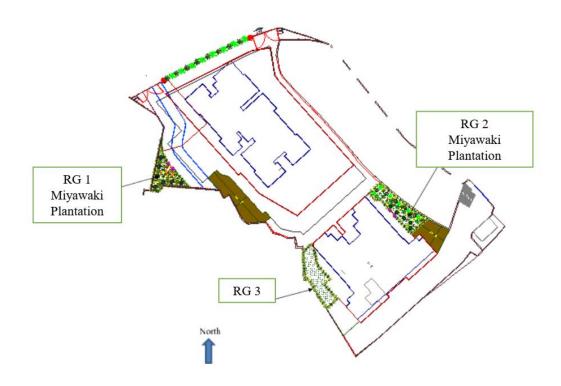
RG Area

**RG Plan - Terrace** 



### **Plantation Details**

| Sr. No.                   | Name of trees                 | No of trees |  |  |  |  |  |  |
|---------------------------|-------------------------------|-------------|--|--|--|--|--|--|
| RG 1: Miyawaki Plantation |                               |             |  |  |  |  |  |  |
| 1.                        | Tamarindus indica             | 7           |  |  |  |  |  |  |
| 2.                        | Azadirachta indica            | 5           |  |  |  |  |  |  |
| 3.                        | Syzygium cumini               | 6           |  |  |  |  |  |  |
| 4.                        | Mangifera indica              | 6           |  |  |  |  |  |  |
| 5.                        | Lagerstroemia speciose        | 2           |  |  |  |  |  |  |
| 6.                        | Artocarpus heterophyllus      | 5           |  |  |  |  |  |  |
| 7.                        | Neolamarckia cadamba          | 4           |  |  |  |  |  |  |
| To                        | otal                          | 35          |  |  |  |  |  |  |
|                           | RG 2: Miyawaki Plantation     |             |  |  |  |  |  |  |
| 8.                        | Mimusops elengi               | 5           |  |  |  |  |  |  |
| 9.                        | Nyctanthes arbor-tristis Linn | 6           |  |  |  |  |  |  |
| 10.                       | Pongamia pinnata              | 7           |  |  |  |  |  |  |
| 11.                       | Phyllanthus emblica           | 5           |  |  |  |  |  |  |
| 12.                       | Ficus racemosa                | 5           |  |  |  |  |  |  |
| 13.                       | Madhuka longifolia            | 6           |  |  |  |  |  |  |
| 14.                       | Saraca indica                 | 5           |  |  |  |  |  |  |
| 15.                       | Bauhinia variegata            | 2           |  |  |  |  |  |  |
| To                        | otal                          | 41          |  |  |  |  |  |  |
|                           | Live Fencing                  |             |  |  |  |  |  |  |
| 16.                       | Saraca Asoka                  | 8           |  |  |  |  |  |  |
| 17.                       | Delonix regia                 | 2           |  |  |  |  |  |  |
| Total no                  | o. of trees                   | 86          |  |  |  |  |  |  |
|                           | Other Flora                   |             |  |  |  |  |  |  |
| 1                         | Cocus nucifera                | 8           |  |  |  |  |  |  |
| 2                         | Bambusa arundinaceae          | 128         |  |  |  |  |  |  |
| Total no. of A            | Total no. of Additional Flora |             |  |  |  |  |  |  |





Survey No-1405/06, Mayuri Residency, Shop No-16, 2nd Floor, Sanaswadi, Tal-Shirur, Pune-412208. GREEN ENVIROSAFE Mob.+91 9545084620 | E-mail:gesec12@gmail.com | www.greenenvirosafe.com

Engineers & Consultant Pvt Ltd. CIN No.: U74900PN2013PTC149666

Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO 9001: 2008, ISO 14001: 2004 and OHSAS 18001: 2007 Certified company.

| TEST CERTIFICATE  |                              |        |                |                  |              |   |  |
|---|------------------------------|--------|----------------|------------------|--------------|---|--|
| Report No: GESEC/2022/04/61 Client Name and Address: M/s. IM Buildcon Pvt. Ltd.   |                              |        |                |                  | of Sampling  | 26.04.2022  |  |
| At Plot bearing CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon- East, Mumbai- 400063 |                              |        | Sample Details |                  | Water Sample |   |  |
|   |                              |        |                | Locati           | on           | Project Site  |  |
| Samp  | le Collected By              | Surf   | ace Wat        | Self<br>er Analy | ysis Report  |   |  |
| Sr.<br>No.  | Parameter                    | Result |                | nits             | Unit (s)     | Standard Methods  |  |
| 1.  | Electrical<br>Conductivity   | 4001   | N              | S                | μmho/<br>cm  | Indian Standards (IS) – 3025<br>(Part –14) - 1984 (1st<br>Revision) (Reaffirmed - 1996) |  |
| 2.  | Color                        | 4.2    |                | 5                | Hazen        | APHA 22 <sup>nd</sup> Edition   |  |
| 3.  | pH at 250C                   | 6.9    | 6.5            | - 8              |              | IS:3025 Part 11-1983<br>(Reaff:2002)  |  |
| 4.  | Nitrate as NO <sub>3</sub>   | 17     | 4              | 5                | Mg/l         | IS – 3025(Part – 34) 1988<br>Chromo tropic Acid method                                  |  |
| 5.  | Nitrite as NO <sub>2</sub>   | ND     | NS             |                  | Mg/l         | IS- 3025 (Part – 34 – 4)  |  |
| 6.  | Phosphorous as Phosphate     | 2.5    | NS             |                  | Mg/l         | Standard M methods – APHA 22nd Ed. 4500 P.D.4- 154.                                     |  |
| 7.  | Potassium                    | 24     | NS             |                  | Mg/l         | Standard M methods – APHA<br>22ND ED 3500 – K 21st Ed B.<br>3 -87                       |  |
| 8.  | Calcium                      | 63     | 7              | 5                | Mg/l         | Standard M methods – APHA 22nd Ed 3500 Ca – B. 3 – 67                                   |  |
| 9.  | Magnesium                    | 7      | 3              | 0                | Mg/l         | APHA 22nd Edition 2005<br>3500-Mg-B   |  |
| 10.   | Carbonate                    | 13     | N              | S                | Mg/l         | IS – 3025 (Part –51) -2001-<br>Calculation Method                                       |  |
| 11.   | Bicarbonate                  | 231    | N              | S                | Mg/l         | IS – 3025 (Part –51) -2001-<br>Calculation Method                                       |  |
| 12.   | Total Hardness<br>as CaCO3   | 205    | 300            |                  | Mg/l         | Standard M methods – APHA<br>22nd Ed. 2340 C. 2-44                                      |  |
| 13.   | Total Alkalinity<br>as CaCO3 | 131    | 20             | 00               | Mg/l         | IS:3025 Part 23-1984<br>(Reaff:2003)  |  |
| 14.   | Chloride as Cl               | 140    | 25             | 50               | Mg/l         | IS:3025 Part 32-1988<br>(Reaff:2003)  |  |



Survey No-1405/06, Mayuri Residency, Shop No-16, 2nd Floor, Sanaswadi, Tal-Shirur, Pune-412208.

GREEN ENVIROSAFE Mob-+91 9545084620 | E-mail:gesec12@gmail.com | www.greenenvirosafe.com

ineers & Consultant Pvt Ltd. CIN No.: U74900PN2013PTC149666

Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO 9001 : 2008, ISO 14001: 2004 and OHSAS 18001 : 2007 Certified company.

GESE

| 15. | Sulphate as<br>SO4           | 127 | 200 | Mg/l | APHA 22nd Edition<br>4500-So <sub>4</sub> <sup>2</sup> E    |
|-----|------------------------------|-----|-----|------|---|
| 16. | Fluoride                     | 0.3 | 1   | Mg/l | APHA 22ND ED, 4500-F-, D,<br>4-87 SPADNS Method.            |
| 17. | Boron                        | 0.7 | 0.5 | Mg/l | Standard Method: APHA<br>22ND ED 4500 B., Pg. no: 4-<br>25. |
| 18. | Total<br>Dissolved<br>Solids | 195 | 500 | Mg/l | IS:3025 Part 16-1984<br>(Reaff:2003)                        |

Remark(s): All parameters are within the limit

**ANALYZED BY** 

**AUTHORIZED SIGNATORY** 

Farvesh.





Survey No-1405/06, Mayuri Residency, Shop No-16, 2nd Floor, Sanaswadi, Tal-Shirur, Pune-412208.

GREEN ENVIROSAFE Mob-+91 9545084620 | E-mail:gesec12@gmail.com | www.greenenvirosafe.com

Engineers & Consultant Pvt Ltd. CIN No.: U74900PN2013PTC149666

Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO 9001: 2008, ISO 14001: 2004 and OHSAS 18001: 2007 Certified company.

|                         | TEST CERTIFICATE  |        |           |                  |             |  |  |  |
|-------------------------|---|--------|-----------|------------------|-------------|--|--|--|
| Client<br>M/s. I        | t No: GESEC/2022/0<br>Name and Address:<br>M Buildcon Pvt. Ltd.   |        |           | Date of Sampling |             | 26/04/2022   |  |  |
| 36A/2<br>Taluk<br>Sahak | At Plot bearing CTS no. 18(pt), 36A/1(pt),<br>36A/2(pt), 38A & 62 A/7, Village- Dindoshi,<br>Taluka- Malad, Mukadam compound,<br>Sahakarwadi, G.M. Link Road, P South ward<br>of MCGM, Goregaon- East, Mumbai- 400063 |        |           |                  | ple Details | Water Sample   |  |  |
|                         |   |        |           | Locatio          | n           | Project Site   |  |  |
| Samp                    | le Collected By   | Cro    | und Wate  | Self             | s Danaut    |  |  |  |
| Sr.<br>No.              | Parameter   | Result | Lin       |                  | Unit (s)    | Standard Methods   |  |  |
| 1.                      | Electrical<br>Conductivity  | 4010   | NS        |                  | μmho/<br>cm | Indian Standards (IS) – 3025<br>(Part –14) - 1984 (1st<br>Revision) (Reaffirmed -<br>1996) |  |  |
| 2.                      | Color   | 4.1    | 5         |                  | Hazen       | APHA 22 <sup>nd</sup> Edition  |  |  |
| 3.                      | pH at 25° C   | 6.7    | 6.5 – 8.5 |                  |             | IS:3025 Part 11-1983<br>(Reaff:2002)   |  |  |
| 4.                      | Nitrate as NO3  | 22     | 45        |                  | Mg/l        | IS – 3025(Part – 34) 1988<br>Chromo tropic Acid method                                     |  |  |
| 5.                      | Nitrite as NO <sub>2</sub>  | ND     | NS        |                  | Mg/l        | IS- 3025 (Part – 34 – 4)   |  |  |
| 6.                      | Phosphorous as<br>Phosphate   | 2.4    | NS        |                  | Mg/l        | Standard M methods – APHA<br>22nd Ed. 4500 P.D.4- 154.                                     |  |  |
| 7.                      | Potassium   | 27     | NS        |                  | Mg/l        | Standard M methods – APHA<br>22ND ED 3500 – K 21st Ed<br>B. 3 -87                          |  |  |
| 8.                      | Calcium   | 61     | 75        |                  | Mg/l        | Standard M methods –<br>APHA 22nd Ed 3500 Ca –<br>B. 3 – 67                                |  |  |
| 9.                      | Magnesium   | 18     | 30        |                  | Mg/l        | APHA 22nd Edition 2005<br>3500-Mg-B  |  |  |
| 10.                     | Carbonate   | 21     | NS        |                  | Mg/l        | IS – 3025 (Part –51) -2001-<br>Calculation Method  |  |  |
| 11.                     | Bicarbonate   | 245    | N         | S                | Mg/l        | IS – 3025 (Part –51) -2001-<br>Calculation Method  |  |  |



Survey No-1405/06, Mayuri Residency, Shop No-16, 2nd Floor, Sanaswadi, Tal-Shirur, Pune-412208.

GREEN ENVIROSAFE Mob-+91 9545084620 | E-mail:gesec12@gmail.com | www.greenenvirosafe.com

Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO 9001: 2008, ISO 14001: 2004 and OHSAS 18001: 2007 Certified company.

| 12. | Total Hardness<br>as CaCO3   | 189 | 300 | Mg/l | Standard M methods – APHA<br>22nd Ed. 2340 C. 2- 44        |
|-----|------------------------------|-----|-----|------|--|
| 13. | Total Alkalinity as<br>CaCO3 | 127 | 200 | Mg/l | IS:3025 Part 23-1984<br>(Reaff:2003)                       |
| 14. | Chloride as Cl               | 135 | 250 | Mg/l | IS:3025 Part 32-1988<br>(Reaff:2003)                       |
| 15. | Sulphate as SO4              | 110 | 200 | Mg/l | APHA 22nd Edition<br>4500-So <sub>4</sub> <sup>2</sup> E   |
| 16. | Fluoride                     | 0.7 | 1   | Mg/l | APHA 22ND ED, 4500-F-,<br>D, 4-87 SPADNS Method.           |
| 17. | Boron                        | 0.3 | 0.5 | Mg/l | Standard Method: APHA<br>22ND ED 4500 B., Pg. no:<br>4-25. |
| 18. | Total Dissolved<br>Solids    | 392 | 500 | Mg/l | IS:3025 Part 16-1984<br>(Reaff:2003)                       |
|     |                              |     |     | A    |  |

Remark(s): All parameters are within the limit

ANALYZED BY

**AUTHORIZED SIGNATORY** 





Survey No-1405/06, Mayuri Residency, Shop No-16, 2nd Floor, Sanaswadi, Tal-Shirur, Pune-412208.

GREEN ENVIROSAFE Mob-+91 9545084620 | E-mail:gesec12@gmail.com | www.greenenvirosafe.com

Engineers & Consultant Pvt Ltd. CIN No.: U74900PN2013PTC149666

Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO 9001: 2008, ISO 14001: 2004 and OHSAS 18001: 2007 Certified company.

| TEST CERTIFICATE            |                         |                 |             |              |            |             |  |  |
|-----------------------------|-------------------------|-----------------|-------------|--------------|------------|-------------|--|--|
| Report No: GESEC/2022/04/63 |                         |                 |             |              |            |             |  |  |
| Client                      | Name and Address:       | Date            | of Sampling | 2            | 26.04.2022 |             |  |  |
| M/s. I                      | M Buildcon Pvt. Ltd.    |                 |             |              |            |             |  |  |
| At Plo                      | t bearing CTS no. 18(r  | ot), 36A/1(pt), |             |              |            |             |  |  |
|                             | (pt), 38A & 62 A/7, Vil |                 |             |              |            |             |  |  |
| Annual court better         | a- Malad, Mukadam co    |                 |             | 1 5          |            | Noise       |  |  |
| Sahak                       | arwadi, G.M. Link Ro    | ad, P South     | San         | iple Details |            |             |  |  |
| ward o                      | of MCGM, Goregaon-      | East,           |             |              |            |             |  |  |
| Mumb                        | pai- 400063             | ,               |             |              |            |             |  |  |
|                             |                         |                 | Location    | n            | P          | roject Site |  |  |
| Sampl                       | e Collected By          |                 | Self        |              | •          |             |  |  |
|                             |                         | Noise I         | Monitoring  |              |            |             |  |  |
| Sr.                         | Location                |                 | Unit (s)    |              |            |             |  |  |
| No.                         |                         | Day Time        | Limits      | Night Time   | Limits     |             |  |  |
| 1.                          | Near Construction       | 61              | 55          | 55 41        |            | dB          |  |  |
|                             | Activity                |                 | 33          |              | 45         | ub          |  |  |
| 2.                          | Near Entry Gate         | 63              | 55          | 40           | 45         | dB          |  |  |

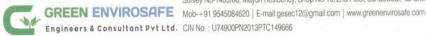
Remark(s): During day readings are above the limits

ANALYZED BY

**AUTHORIZED SIGNATORY** 







Survey No-1405/06, Mayuri Residency, Shop No-16, 2nd Floor, Sanaswadi, Tal-Shirur, Pune-412208.

Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO 9001 : 2008, ISO 14001: 2004 and OHSAS 18001 : 2007 Certified company.

| M/s. IM Buildcon Pvt. Ltd. At Plot bearing CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon- East, Mumbai- 400063  Location Proj.  Sample Collected By Self  Soil Analysis Report  Sr. Parameter Result Unit (s) Standar No.  1. pH of 10% Solution 5.9 - IS 2720 P (Reaff.20)  2. Texture Sandy | Soil ect Site       |
|---|---------------------|
| M/s. IM Buildcon Pvt. Ltd. At Plot bearing CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon- East, Mumbai- 400063  Location Proj.  Sample Collected By Self  Soil Analysis Report  Sr. Parameter Result Unit (s) Standar No.  1. pH of 10% Solution 5.9 - IS 2720 P (Reaff.20)  2. Texture Sandy | Soil<br>ect Site    |
| At Plot bearing CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon- East, Mumbai- 400063  Location Proj.  Sample Collected By Self  Soil Analysis Report  Sr. Parameter Result Unit (s) Standar No.  1. pH of 10% Solution 5.9 - IS 2720 P (Reaff.20)  2. Texture Sandy                            | ect Site            |
| 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon- East, Mumbai- 400063  Location Proj.  Sample Collected By Self  Soil Analysis Report  Sr. Parameter Result Unit (s) Standar No.  1. pH of 10% Solution 5.9 - IS 2720 P (Reaff.20)  2. Texture Sandy   | ect Site            |
| Sample Collected By   |                     |
| Soil Analysis Report   Sr.   Parameter   Result   Unit (s)   Standar  | d Methods           |
| Sr. No.         Parameter         Result         Unit (s)         Standar           1.         pH of 10% Solution         5.9         -         IS 2720 P (Reaff.20           2.         Texture         Sandy  | d Methods           |
| No.         1.         pH of 10% Solution         5.9         -         IS 2720 P (Reaff.20           2.         Texture         Sandy  | d Methods           |
| 2. Texture Sandy (Reaff.20  |                     |
|   | art 26: 1987<br>11) |
|   |                     |
| 3. Color Brown  |                     |
| 4. EC 271 μS/cm IS 14767:   | 2000                |
| 5. Bulk Density 76 Gm/cm³ IS: 2720 (  | (Part 29)           |
| 6. Organic Content 1.1 % IS 2720 P<br>(Reaff.20   | art 22: 1972<br>10) |
| 7. Water Retaining 11.6 % IS 2720 P Capacity  | art 29              |
| 8. Calcium as Ca 13 mg/100gm EPA3050  | В                   |
|   | até Method          |
| 10. Magnesium as Mg 45 mg/100gm EPA3050   | В                   |
| 11 Potassium as K 58 mg/kg EPA  | A3050 B             |
|   | A3050 B             |
|   | 20 Part 27          |
|   | 3050 B              |
|   | A3050 B             |
|   | A3050 B             |
| 17. Total Kjeldahl Nitrogen as N 0.6 % IS 146 (Rea  | 584 : 1999          |



Survey No-1405/06, Mayuri Residency, Shop No-16, 2nd Floor, Sanaswadi, Tal-Shirur, Pune-412208.

GREEN ENVIROSAFE Mob-+91 9545084620 | E-mail:gesec12@gmail.com | www.greenenvirosafe.com

onsultant Pvt Ltd. CIN No.: U74900PN2013PTC149666

Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO 9001: 2008, ISO 14001: 2004 and OHSAS 18001: 2007 Certified company.

| 18. | Total Phosphate as PO <sub>4</sub>             | 12  | mg/100 gm | IS 10158 –1982<br>(Reaff.2009) |  |  |
|-----|--|-----|-----------|--------------------------------|--|--|
| 19. | Iron   | 260 | mg/kg     | IS 13922 : 1994                |  |  |
|     | Remark(s): All parameters are within the limit |     |           |                                |  |  |

ANALYZED BY

**AUTHORIZED SIGNATORY** 







Survey No-1405/06, Mayuri Residency, Shop No-16, 2nd Floor, Sanaswadi, Tal-Shirur, Pune-412208.

GREEN ENVIROSAFE Mob-+91 9545084620 | E-mail:gesec12@gmail.com | www.greenenvirosafe.com

Engineers & Consultant Pvt Ltd. CIN No.: U74900PN2013PTC149666

Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO 9001: 2008, ISO 14001: 2004 and OHSAS 18001: 2007 Certified company.

| Report No: GESEC/2022/04/65  Client Name and Address:  M/s. IM Buildcon Pvt. Ltd. At Plot bearing CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon- East, Mumbai- 400063  Sample Collected By  Ambient Temperature (Max/Min)  Particulate Matter size 2. less than 10-  µm (PM <sub>10</sub> )  Particulate Matter size 1. Sulphur Oxides (SO <sub>X</sub> )  Antirogen Oxides (NO <sub>X</sub> )  Selection 10-  Oxides (SO <sub>X</sub> )  Nitrogen Oxides (SO <sub>X</sub> )  Sulphur Oxides (SO <sub>X</sub> )  Sulphur Oxides (SO <sub>X</sub> )  Nitrogen Oxides (NO <sub>X</sub> ) |                | Sampling e Details | 26.04.2022                         |  |
|--|----------------|--------------------|------------------------------------|--|
| 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon- East, Mumbai- 400063  Sample Collected By  Ambient Air Qualit  Sr. No.  Parameter  Ambient Temperature (Max/Min)  Particulate Matter size 2. less than 10-  µm (PM <sub>10</sub> )  Particulate Matter size less than 2.5-  µm (PM <sub>2.5</sub> )  Sulphur Oxides (SO <sub>X</sub> )  Nitrogen Oxides 23   | Sample         | e Details          |                                    |  |
| Ambient Air Qualit   | Sample Details |                    | Ambient Air                        |  |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$   | Location       |                    | At Project Site                    |  |
| Sr. No.ParameterResult1.Ambient Temperature (Max/Min) $31/30$ Particulate Matter size less than $10$ -   | Self           |                    |                                    |  |
| Ambient Temperature (Max/Min)  Particulate Matter size 2. less than 10- μm (PM <sub>10</sub> )  Particulate Matter size 3. less than 2.5- μm (PM <sub>2.5</sub> )  Sulphur Oxides (SO <sub>X</sub> )  Nitrogen Oxides Oxides  Oxides  23   | y Monitoring   | 5                  | Standard                           |  |
| 1. Temperature (Max/Min)  Particulate  | Limits         | Unit (s)           | Methods                            |  |
| 2. Matter size less than $10$ - $\mu m (PM_{10})$ Particulate Matter size less than $2.5$ - $\mu m (PM_{2.5})$ 3. Sulphur Oxides (SO <sub>X</sub> )  Nitrogen Oxides  Oxides  23   |                | °C                 |                                    |  |
| Particulate Matter size less than 2.5- μm (PM <sub>2.5</sub> )  Sulphur Oxides (SO <sub>X</sub> )  Nitrogen Oxides 23  | 100            | $\mu g/m^3$        | Gravimetric                        |  |
| 4. Oxides (SO <sub>X</sub> ) 6.32  Nitrogen Oxides 23  | 60             | μg/m³              | Gravimetric                        |  |
| Oxides 23  | 80             | $\mu g/m^3$        | Improved<br>West &<br>Gaeke        |  |
|  | 80             | μg/m³              | Modified<br>Jacob &<br>Hochheister |  |
| 6. Carbon Monoxide (CO) 0.57   | 4              | mg/m³              | By Electro<br>Chemical<br>Sensor   |  |
| Remark(s): All parameters  |                | he limit           |                                    |  |









Survey No-1405/06, Mayuri Residency, Shop No-16, 2nd Floor, Sanaswadi, Tal-Shirur, Pune-412208. GREEN ENVIROSAFE Mob-+91 9545084620 | E-mail:gesec12@gmail.com | www.greenenvirosafe.com

Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO 9001: 2008, ISO 14001: 2004 and OHSAS 18001: 2007 Certified company.

| TEST CERTIFICATE           |   |  |                |             |                                    |  |  |  |
|----------------------------|---|--|----------------|-------------|------------------------------------|--|--|--|
| Client Name<br>M/s. IM Bui | GESEC/2022/04/66<br>e and Address:<br>ildcon Pvt. Ltd.                  | and Address: Date of Sampling 26.04.2022 clcon Pvt. Ltd. |                |             |                                    |  |  |  |
|                            | ring CTS no. 18(pt),<br>illage- Dindoshi, Ta                            |  |                | ple Details | Ambient Air                        |  |  |  |
| compound,                  | Sahakarwadi, G.M.<br>Goregaon- East, Mu                                 | Link Road, P Sout  |                |             | Near Gate                          |  |  |  |
| Mumbai.                    |   |  |                |             |                                    |  |  |  |
|                            | T T   | Ambient Air Qua  | lity Monitori  | ng          | G( 1 1                             |  |  |  |
| Sr. No.                    | Parameter   | Result   | Limits         | Unit (s)    | Standard<br>Methods                |  |  |  |
| 1.                         | Ambient<br>Temperature<br>(Max/Min)                                     | 31/30  |                | оС          |                                    |  |  |  |
| 2.                         | Particulate Matter size less than 10- μm (PM <sub>10</sub> )            | 97   | 100            | μg/m³       | Gravimetric                        |  |  |  |
| 3.                         | Particulate<br>Matter size<br>less than 2.5-<br>µm (PM <sub>2.5</sub> ) | 45   | 60             | μg/m³       | Gravimetric                        |  |  |  |
| 4.                         | Sulphur<br>Oxides<br>(SO <sub>X</sub> )                                 | 7  | 80             | μg/m³       | Improved<br>West &<br>Gaeke        |  |  |  |
| 5.                         | Nitrogen<br>Oxides<br>(NO <sub>X</sub> )                                | 25.1   | 80             | $\mu g/m^3$ | Modified<br>Jacob &<br>Hochheister |  |  |  |
| 6.                         | Carbon<br>Monoxide<br>(CO)  | 0.82   | 4              | mg/m³       | By Electro<br>Chemical<br>Sensor   |  |  |  |
|                            | Remai   | rk(s): All paramete                                      | ers are within | the limit   |                                    |  |  |  |
| ANA                        | LYZED BY  |  |                | AUTHORIZE   | D SIGNATORY                        |  |  |  |
|                            | Farvesh   | Bayleone 2   | (ent p.a.)     |             | Note:                              |  |  |  |
|                            |   |  |                |             |                                    |  |  |  |

#### Annexure 9: Undertaking for Low flow fixture devices and sensors



#### TO WHOMSOEVER IT MAY CONCERN

We, M/s. IM Buildcon Pvt. Ltd., have proposed "Applaud 38" Proposed Residential and Commercial redevelopment at Plot bearing CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon- East, Mumbai- 400063

We, hereby state that the proposed project located at Mumbai will be making use of Low Flow fixture devices and sensors as water conservation measures in operation phase. Also we hereby state that during construction phase, we would provide mobile toilets for workers on site.

Thanking you,

Yours Faithfully,

M/s. IM Buildcon Pvt. Ltd.

Director



Hospitality

809-811, 8th Floor, The Corporate Avenue, Sonawala Lane, Goregaon (East), Mumbai-400 063. T:+91-22-26856161 +91-22-26866161 +91-22-49698086

E: info@imbuildcon.in w:www.imbuildcon.in

### **Annexure 10: Energy Saving Calculations**

### **Energy Management**

Source – Adani

Connected Load: 2110 KW (Rehab) and 3865 KW (Sale)

Demand Load:, 856 KW (Rehab) and 1119 (Sale)

- Energy savings through conventional energy savings systems 18.6%
   Energy savings through renewable energy savings systems 5.4%
- It will be provided for common area lighting, street lighting, garden and corridor lighting

### **Energy Saving Calculations**

| Sr No  | Description Of Loads  | Convention                                | al Method    | By Adopting Energy Saving Method                                 |              | Total Saving | m - 10 : T0/     |
|--|---|---|--------------|--|--------------|--------------|------------------|
| ***  | ,   | Kwh Per Day                               | Kwh Per Year | Kwh Per Day  | Kwh Per Year | Kwh/Day      | Total Saving In% |
|  | External Area<br>Lighting Load  | 27  | 9855         | 0  | 0            | 27           | 1                |
| A  | Energy Conservation<br>Method   | 45 Nos 50 W External<br>Lights For 12 Hrs |              | 45 Nos 50 W External<br>Lights With<br>Standalone Solar<br>Panel |              |              |                  |
|  | Common Area<br>Lighting Load  | 864                                       | 315360       | 432  | 157680       | 432          | 0.5              |
| В  | Total Tube Light<br>Fixture 2000nos   | (2000nos*36w*12hrs)                       |              | (2000nos*18w*12hrs)  |              |              |                  |
|  | Energy Conservation<br>Method   | Normal 36w Tube<br>Light                  |              | Led Light  |              |              |                  |
|  | Lifts Rehab + Sale  | 222.75                                    | 81303.75     | 189.3375   | 69108.1875   | 33.4125      | 0.15             |
| С  | 4 + 5nos Lifts & Total<br>Load  | (9*11kw*2.25hrs)                          |              | 85% Consumption  |              |              |                  |
|  | Energy Conservation<br>Method   | Motor Without Vfd                         |              | Motor With Vfd   |              |              |                  |
|  | Energy Generation By<br>Solar Pv Cells  |   |              | 162  | 59130        | 162          | 1                |
| D  | 14 + 22 Kwh Solar<br>Power Generation<br>Plant On Rehab +<br>Sale Bldg. Terrace |   |              | (14 + 22 Total 36<br>Kwh * 4.5 Per Day<br>Yield Per Kw)          |              |              |                  |
|  | Energy Conservation<br>Method   |   |              | Solar Power Plant<br>Connected To Grid                           |              |              |                  |
|  | Total Consumption   | 1113.75                                   | 406518.75    | 783.33   | 285918.18    | 654.41       |                  |
| Total Kw Of<br>Rehab+Sale Building<br>Per Day Load = |   |   | 3519.73      |  |              |              |                  |
| Total Kw Saving Per<br>Day =                         |   |   | 654.41       |  |              |              |                  |
| Saving Against Total<br>Rehab+Sale Load =            |   |   | 18.6%        |  |              |              |                  |
| Total Kw Of<br>Rehab+Sale Building<br>Per Day Load = |   |   | 3519.73      |  |              |              |                  |
| Total Kw Of Saving<br>Per Day With Solar =           |   |   | 189          |  |              |              |                  |
| Saving Against Total<br>Rehab+Sale Load =            |   |   | 5.4%         |  |              |              |                  |

--

#### SOLAR CALCULATIONS

| APPROX SOLAR POWER GENERATION & SAVINGS CALCULATIONS   |          |          |       |  |  |  |
|--|----------|----------|-------|--|--|--|
|  | REHAB    | SALE     |       |  |  |  |
| TOTAL POWER PLANT PROPOSED TO<br>INSTALL FOR COMMON AREA<br>ELECTRICAL LOAD. 2% OF MD AS PER<br>GUIDELINES | 22.00    | 14.00    | KWh   |  |  |  |
| YIELD PER DAY PER KWH PLANT<br>APPROX.   | 4.50     | 4.50     | KWh   |  |  |  |
| TOTAL NO OF PANELS PROPOSED  | 46.00    | 30.00    | Nos   |  |  |  |
| AREA OF THE TERRACE  | 473.00   | 559.00   | SQMTR |  |  |  |
| TOTAL AREA REQUIRED FOR THE PANELS INCLUDING MOVEMENT  | 264.00   | 122.00   | SQMTR |  |  |  |
| % AREA USED FOR SOLAR PANELS   | 55.81    | 21.82    | %     |  |  |  |
| TOTAL POWER GENERATED PER DAY(Approx)  | 99.00    | 63.00    | KWh   |  |  |  |
| TOTAL POWER GENERATED PER<br>YEAR(Approx)  | 36135.00 | 22995.00 | KWh   |  |  |  |

### **CONSERVATION STATEMENT – SOLAR**

|  | 1       |
|--|---------|
| TOTAL KW OF REHAB+SALE BUILDING PER DAY LOAD =   | 3519.73 |
| TOTAL KW SAVING PER DAY =                        | 654.41  |
| SAVING AGAINST TOTAL REHAB+SALE LOAD =           | 18.6%   |
|  |         |
| TOTAL KW OF REHAB+SALE BUILDING PER DAY LOAD =   | 3519.73 |
| TOTAL KW OF SAVING PER DAY WITH SOLAR =          | 189.00  |
| SAVING AGAINST TOTAL REHAB+SALE LOAD =           | 5.4%    |
|  |         |
| TOTAL KW OF REHAB+SALE BUILDING PER DAY LOAD =   |         |
|  | 3519.73 |
| TOTAL KW OF SAVING PER DAY WITH SOLAR PV CELLS = |         |
|  | 189.00  |
| SAVING AGAINST TOTAL REHAB+SALE LOAD =           | 5.4%    |

#### **Annexure 11: Tree NOC letter and plan**

#### MUNICIPAL CORPORATION OF GREATER MUMBAI TREE AUTHORITY

Office of the Dy Supdt.of Gardens ( Z -IV) K/W ward Office Building, 3<sup>rd</sup> floor, Paliram Marg, Andheri, (W), Mumbai-58. No. : DYSG/Z-IV/ 439 /TA Date : 2£ / 08 /2016.

Sub: Proposed Slum Rehabilatation on plot bearing CTS No.18 (pt) ,38/A & Amalgamation of Non-Slum plot bearing CTS No.62-A/7 of village Dindoshi , Talukla Malad , Mumbai.

Ref: Application from M/s.Prism Architecht's Dated 03.08,2016

With reference to above, M/s.Prism Architecht's has submitted application regarding Proposed Slum Rehabilatation on plot bearing CTS No.18 (pt) ,38/A & Amalgamation of Non-Slum plot bearing CTS No. 62-A/7 of village Dindoshi , Talukla Malad , Mumbai

As per plan submitted by applicant, it seems that there are Nil nos. of trees existing on site which are not coming in the proposed construction works.

Hence, as per Hon. M.C's circular Vide No. 0041/33/2013 – JTMC-DMU dt. 17.06.2013, complete original file papers are forwarded herewith for further necessary action please.

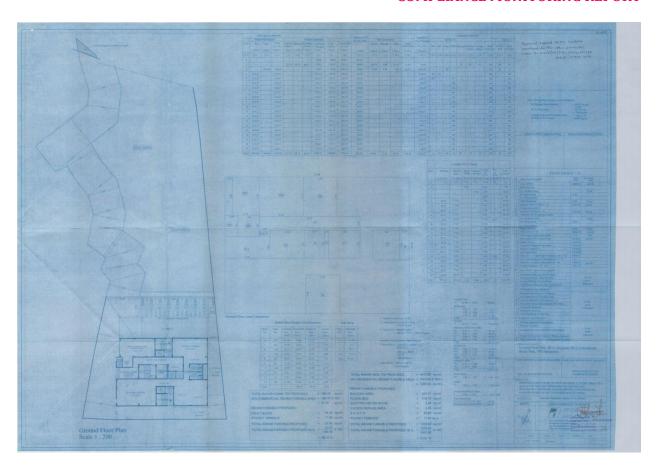
Supdt.of Gardens & Tree Officer

Ex.Engg. (W.S)
Slum Rehabilatation Authority's
Administrative Building,
Pro. Anant Kanekar Marg,
Bandra (E),Mumbai-400051

Copy to:

M/s.Prism Architecht's 410, Corporate Avenue, Beside Udyog Bhavan, Goregaon (E), Mumbai- 400063

& Tree Officer



### **Annexure 12: PUC Certificates**

| A | Annexure 1  | 13 | : R | VI  | C P          | urc | hase  | O | rd | er |
|---|-------------|----|-----|-----|--------------|-----|-------|---|----|----|
| _ | MIIICAUIC . | ı  | • 1 | VI. | $\mathbf{L}$ | ul  | lluse | v | LU |    |

### **Annexure 14: Parking Statement & Parking Plans**

Required 4 wheeler parking: - Sale - 203, Rehab - 62 (Total - 265)

Provided 4 wheeler parking: - Sale -204, Rehab -68 (Total -272)

Provided 2 wheeler parking-51

#### PARKING STATEMENT

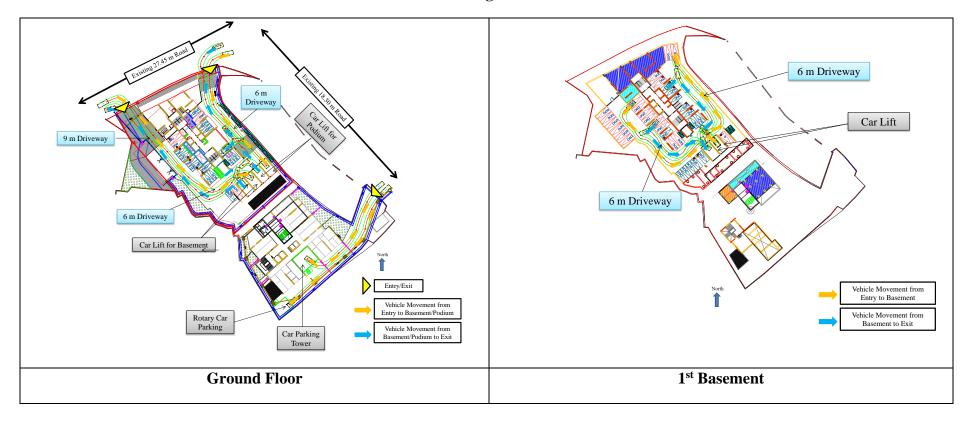
### Rehab

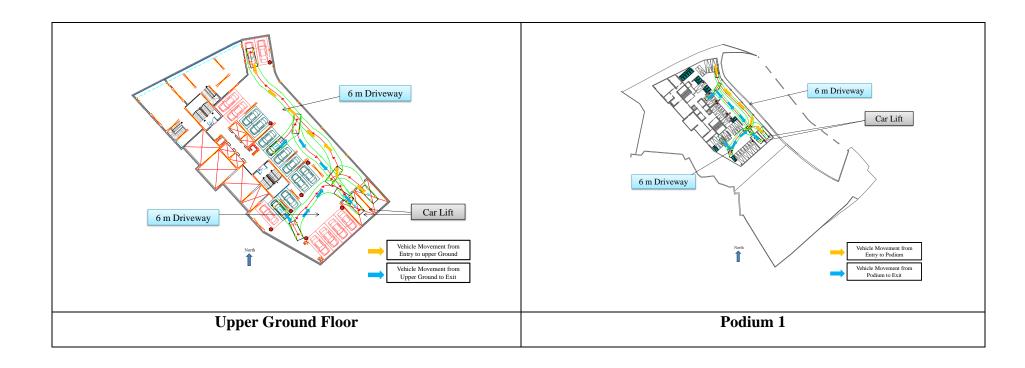
| Carpet Area        | No of Flat            | Parking             | Required      | Required    |  |  |  |
|--------------------|-----------------------|---------------------|---------------|-------------|--|--|--|
|                    |                       | permissible as      | flat/parking  |             |  |  |  |
|                    |                       | per D.C.Rule        |               |             |  |  |  |
| Upto 45            | 174                   | 1 parking for 8     | 174/8         | 22          |  |  |  |
|                    |                       | Ten                 |               | 5,50        |  |  |  |
|                    | 25% Visitor Parking   |                     |               |             |  |  |  |
| Total              |                       |                     |               | 27.50 (X)   |  |  |  |
| Commercial         | -                     | 1 per 40 sq.mt      | 800/4         | 20 (a)      |  |  |  |
| shops upto 800     |                       | upto 800 sq,mt      |               |             |  |  |  |
| sq.mt              |                       |                     |               |             |  |  |  |
| Commercial         | -                     | 1 per 80 sq.mt      | 904.46/800    | 11.0 (b)    |  |  |  |
| shops above 800    |                       | above 800 sq.mt     |               |             |  |  |  |
| Sq,mt BUA          |                       |                     |               |             |  |  |  |
| (Total Comm.       |                       |                     |               |             |  |  |  |
| BUA 1704.46 -      |                       |                     |               |             |  |  |  |
| 800 = 904.46)      |                       |                     |               |             |  |  |  |
|                    |                       |                     |               |             |  |  |  |
| Total (a+b)        | •                     |                     |               | 31          |  |  |  |
| 10 % visitor parki | 10 % visitor parking  |                     |               |             |  |  |  |
| Gross Total        |                       |                     |               | 34.00 (Y)   |  |  |  |
| Total Parking requ | uired (X+Y)           |                     |               | 62.00       |  |  |  |
| No of Four wheel   | ler parking requir    | ed                  |               | 62.00       |  |  |  |
| For Reservation o  | f Municipal chowk     | y & municipal facil | ities parking |             |  |  |  |
| requirement is as  | under:                |                     |               |             |  |  |  |
| Total BUA          | Parking Re            | proposed            |               |             |  |  |  |
| proposed           |                       |                     |               |             |  |  |  |
| 237.444 Sq.mt      | 1 Parking for eve     | ery 37.50 sq.mt of  | 237.444/37    | 7.50 = 6.33 |  |  |  |
|                    | floor area            |                     |               |             |  |  |  |
| Total parking requ | 6.0 Nos               |                     |               |             |  |  |  |
| Total parking proj | posed for reservation | on                  |               | 6.0 Nos     |  |  |  |

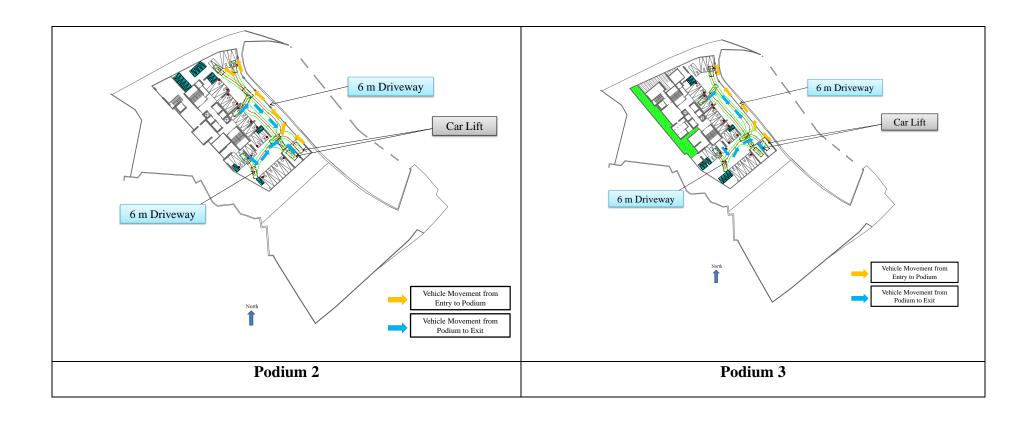
### Sale

| Carpet Area      | No of Flat Parking Required permissible flat/parking |                |             | Parking<br>Required |  |  |  |
|------------------|--|----------------|-------------|---------------------|--|--|--|
| OI Flat          |  | as per         | nat/parking | Required            |  |  |  |
|                  |  | D.C.P.R 2034   |             |                     |  |  |  |
| Upto 45 sq.mt    | 66   | 1 parking for  | 66/4        | 17                  |  |  |  |
| Opto 45 sq.mt    | 00   | 4 Tenements    | 00/4        | 17                  |  |  |  |
| 60 to 90 Sq.mt   | 135  | 1 parking for  | 92/1        | 135                 |  |  |  |
| 1                |  | 1 Tenement     |             |                     |  |  |  |
| 90 and above     | 1  | ½ tenement     | 1/0.50      | 2                   |  |  |  |
| sq.mt            |  | for 1 tenement |             |                     |  |  |  |
| Total            | 202  |                |             | 154                 |  |  |  |
| 25% Visitor Par  | king   |                |             | 39                  |  |  |  |
| Total            |  |                | 154+39 =    | 193 (X)             |  |  |  |
| Commercial       | -  | 1 per 40 sq.mt | 326.911/40  | 8                   |  |  |  |
| shops upto       |  |                |             |                     |  |  |  |
| 326.911 sq.mt    |  |                |             |                     |  |  |  |
| Commercial       | -  | 1 per 80 sq.mt | 904.46/800  | 11.0 (b)            |  |  |  |
| shops above      |  | above 800      |             |                     |  |  |  |
| 800 Sq,mt        |  | sq.mt          |             |                     |  |  |  |
| BUA              |  |                |             |                     |  |  |  |
| (Total Comm.     |  |                |             |                     |  |  |  |
| BUA 1704.46      |  |                |             |                     |  |  |  |
| - 800 =          |  |                |             |                     |  |  |  |
| 904.46)          |  |                |             |                     |  |  |  |
| 10 % visitor par | 2  |                |             |                     |  |  |  |
| Total            | 10 (Y)   |                |             |                     |  |  |  |
| 8+2=             | 8+2=   |                |             |                     |  |  |  |
| Total Parking re |  |                |             | 142                 |  |  |  |
|                  | eeler parking re                                     |                |             | 203                 |  |  |  |
| No of Four who   | eeler parking pı                                     | oposed         |             | 204                 |  |  |  |

### **Parking Plans**



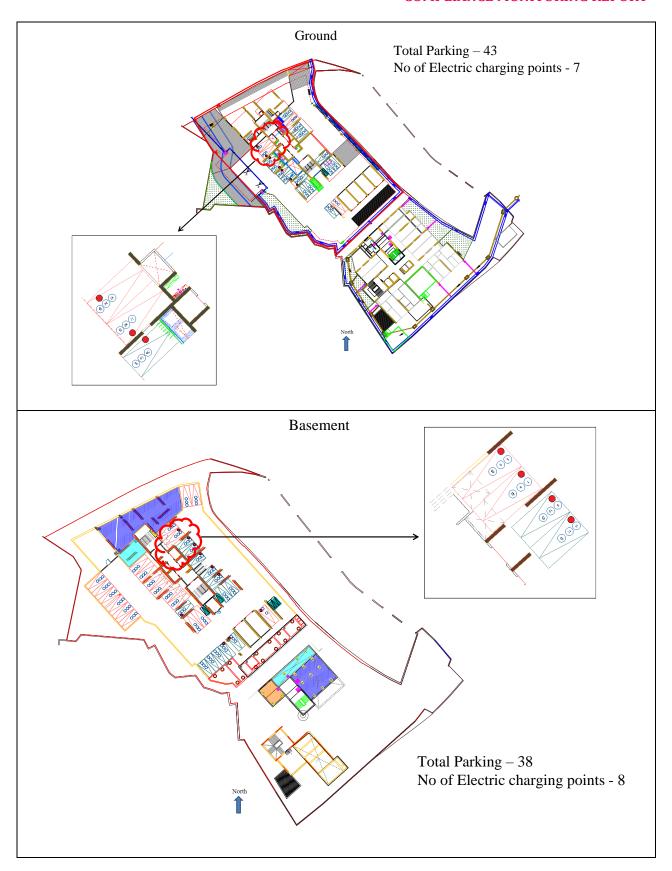


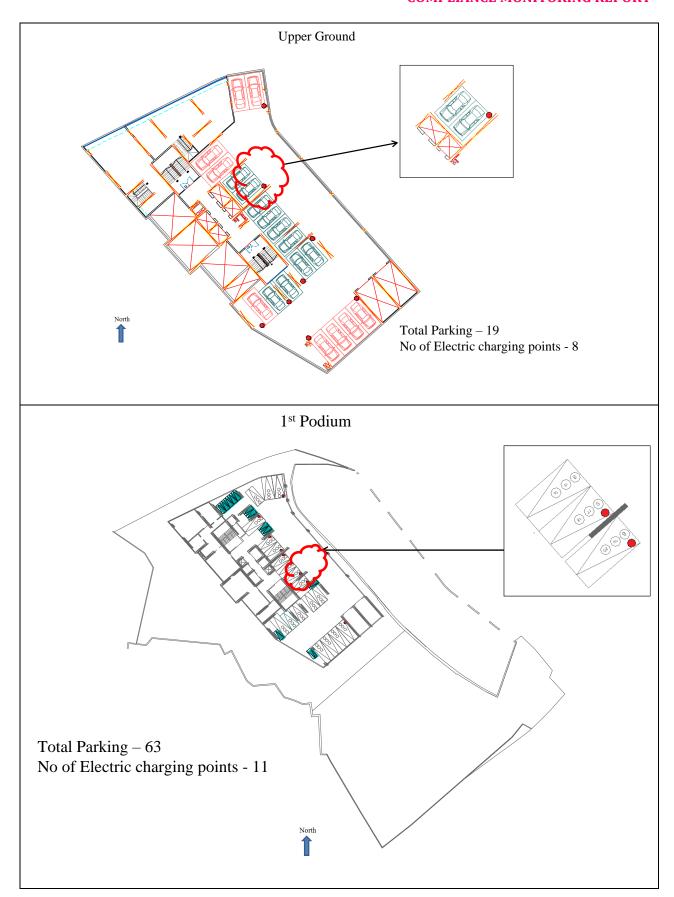


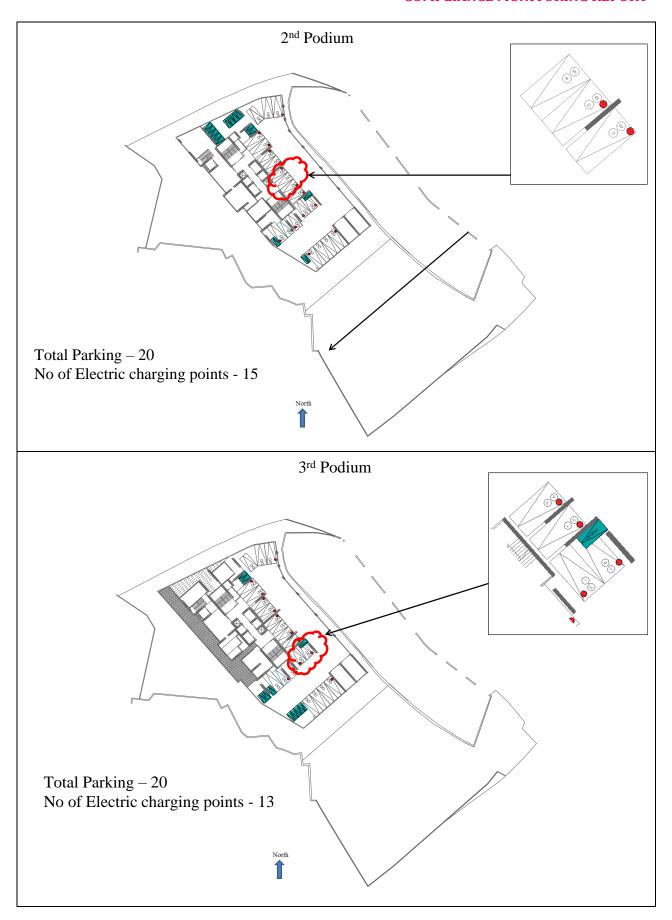
### **Annexure 15: Electric Charging Point**

Electric charging points given in the project are;

| Floor                  | No of Cars | <b>Electric Charging Points</b> |
|------------------------|------------|---------------------------------|
| Ground Floor           | 43         | 7                               |
| Basement               | 63         | 11                              |
| Upper Ground Floor     | 19         | 8                               |
| 1 <sup>st</sup> Podium | 38         | 8                               |
| 2 <sup>nd</sup> Podium | 20         | 15                              |
| 3 <sup>rd</sup> Podium | 20         | 13                              |
| Total                  | 204        | 62 (30.39 %)                    |







### **Annexure 16: Environmental Management Cell**

#### ENVIRONMENT MANAGEMENT CELL

The Environment Cell shall comprise of environment background personnel either environment engineer or environment science background person with knowledge of building safety measures. During construction phase the environment cell shall comply with safety standards and measures as prescribed in the environment clearance norms. The following measures shall be adopted during construction phase:

- Covering all the materials stored at construction site with plastic or tarpaulin sheet
- 3 m height screens would be provided all around the building (or plot boundary) during construction phase to obstruct the flow of dust and wind to surrounding locations
- All workers shall be provided with dust masks
- 1 wash basin per 20 workers shall be maintained
- Bio-toilets would be installed for workers
- Installation of STP, RWH, SWM units and water efficient units as per proposed in the project

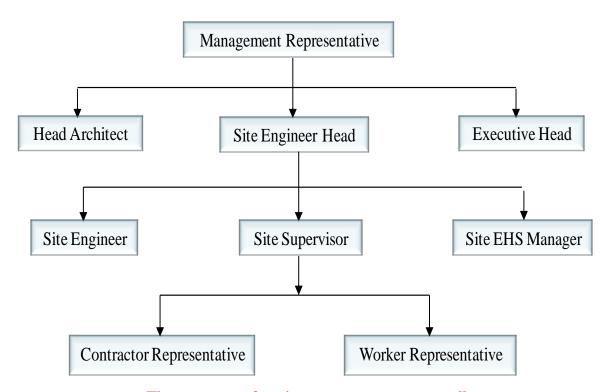
During operation phase; environment cell shall report to chairman of the society and it must comprise of in house and empaneled experts. The role of the environment cell during operation phase will be:

- Maintaining STPs, SWM units, RWH, carrying out environmental audits, safety audits, etc.
- Maintaining landscape and safety of the premises/building
- Maintaining compliance monitoring as per direction of MoEF

The detail formulation of environment cell is given in below Figure



### **Formulation of Environment Cell**



The structure of environment management cell

Notice is hereby given that pursuant to Regulation 29 read

### **Annexure 17: Newspaper Advertisement**

THE FREE PRESS JOURNAL www.freepressjournal.in MUMBAI | SATURDAY | JANUARY 15, 2022 **PUBLIC NOTICE PUBLIC NOTICE** NOTICE Notice hereby given that MR. DEENBANDHU @ DINBANDHU S. YADAV is the owner of Unit No:- 34, in NOTICE is hereby given that our client MR.

Obedur REHMAN ABDUR REHMAN
FITWALA having his residence at: 157/A.
Room No.5 & 6, 1st Floor, Fitwala Building, Supreme Proposed Residential cum Commercial redevelopment known as "Applaud 38" the Dev Ashish Premises Co-operative. located at plot bearing CTS no. 18(pt), THE SUPREME Society LTD., (hereinafter referred to as Moreshwar Patankar Marg, Kurla (west) Mumbai-400070. Had executed a power 36A/1 (pt), 36A/2(pt), 38A & 62 A/7, "the said industrial estate") situated at Village- Dindoshi, Taluka- Malad, INDUSTRIES LIMITED on 19th day of September, 2008, under notarial serial number: 1050/09, whereby one, MR. MOHAMMED FEROZ MOHAMMED HANIF SHAIKH, the proprietor os M/s. Hamza Developer was appointed and nominated as louful. Bharucha road, Dahisar East, Mumbai 400068.(herein after referred to as "the Mukadam compound, Sahakarwadi, Regd. Office: 612, Raheja G.M. Link road, P south ward of MCGM, said unit"). The original Agreement Dated :- 23/3/1981 executed between Chambers, Nariman Point, Goregaon. By M/s. I M Buildcon Pvt Mumbai - 400 021 M/s. Bonny Enterprises & Mr. Ltd. was accorded the Environmental proprietor os M/s. Hamza Developer was appointed and nominated as lawful Attorney of our clent, authorizing him to develop and deal with the all that piece of and or ground together with ground floor structures made of brick masonry walls having ac sheet roof standing thereon admeasuring about 741.20 sq.mtrs, bearing CTS No.672, 672/1to14, situated ying and being at village Kurla-I, Taluka-turla, Mumbai, Suburban District Property No.2183-613-A, 2183 (2) 613-AB, 2168-613. within the limits of "I" Ward Mumbai Telephone No. 022-22851656/ Deenbandhu @ Dinbandhu S. Yaday is Clearance from the State Level lost and not traceable. Any person/s who **Environment Impact Assessment** 22851159/ 22851160 has/ have any claim, right, title and interest in the said unit & share certificate Authority (SEIAA), Environment CIN-L35920MH1942PLC003554 Department, Govt. of Maharashtra on by way of sale, gift, exchange, mortgage, Email: investor@supreme.co.in 10th January 2022. charge, lease, lien, succession or in an Fax No.: 022-22851657 other manner whatsoever should intimate The copies of clearance letter are the same to the undersigned within 1 available with the Maharashtra Pollution

Control Board and may also be seen at

website at http://parivesh.nic.in

days from the date of publication of this

notice at the address provided hereunder

In case no objections are received within



### **Annexure 18: Consent to Establish Copy**

#### MAHARASHTRA POLLUTION CONTROL BOARD 24010437/24020781 Kalpataru Point, 3rd & 4th floor, /24037124/24035273 Sion- Matunga Scheme Road No. 8. MAHARASHTRA 24044532/24024068 Opp. Cine Planet Cinema, /24023516 Near Sion Circle, Sion (E), jdwater@mpcb.gov.in Mumbai - 400022 Visit At : http://mpcb.gov.in Infrastructure /Red/LSI Date- 13 / 11 /2020 Consent No: Format1.0/BO/JD(WPC)/UAN No. 80210/CE/CC- 2011000955 M/s I M Buildcon Pvt. Ltd. Proposed Residential cum Commercial Redevelopment project, 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62A/7, Goregaon, Boriviali, Mumbai Subject: Consent to establish in Red Category for construction project under SRA. Ref : 1. Consent application submitted by Sub-Regional Officer, Mumbai-III. Your application: UAN No.0000080210 Dated: 19.09.2019 For: Consent to establish in Red Category for construction project under SRA. under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous and Other Wastes (M & TM) Rules, 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III& IV annexed to this order: 1. The consent is granted for a period up to: Commissioning of the project or five years whichever is earlier. 2. The proposed capital investment of the project is Rs. 131.51 Crs. (As per CA certificate submitted by project proponent) Consent to establish is valid for construction project under SRA named as M/s. I M Buildcon Pvt. Ltd.- Proposed Residential cum Commercial Redevelopment project, 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62A/7, Goregaon, Boriviali, Mumbai on Total plot area of 4106.12 Sqm and total Construction BUA 35438.49 Sqm including utilities and services as per construction commencement certificate issued by local body. Conditions under Water (P&CP), 1974 Act for discharge of effluent: Permitted quantity Standards to Description Disposal of discharge (CMD) be achieved Trade effluent NIL NA NA Domestic effluent 120 As per 60%should be reused Schedule -I &recycled and remaining should be discharged in municipal sewer Conditions under Air (P& CP) Act, 1981 for air emissions Number Of Standards to be Description of stack/ Capacity Stack achieved source M/s I M Buildcon Pvt. Ltd. Page 1 of 6

Conditions under Solid Waste Management Rules, 2016:

|   | Type Of Waste |            | Treatment | Disposal   |
|---|---------------|------------|-----------|--|
|   | Wet garbage   | 715 Kg/Day | OWC       | Used as Manure   |
| - | Dry garbage   | 400 Kg/Day | -         | Segregate and Hand over to<br>Local Body for recycling |
| 3 | STP Sludge    | 20 Kg/Day  | -         | Used as Manure   |

- Conditions under Hazardous and Other Wastes (M & TM) Rules, 2016 for treatment and disposal of hazardous waste: NA
- The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same should be binding on the industry.
- 8. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
- 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.
- Project Proponent shall install online monitoring systems for pH, TSS and flow at the outlet of STP.
- Project Proponent shall provide Organic waste digester with composting facility or Biogas digester with composting facility.
- 12. Project Proponent shall submit an affidavit in Board's prescribed format within 15 days regarding the compliance of conditions of EC/CRZ clearance and C to O.
- 13. The Project Proponent shall not take any effective step towards construction without obtaining Environmental clearance for the proposed construction Project.

For and on behalf of the Maharashtra Pollution Control Board

> (Dr. Y.B. Sontakke) Joint Director, Water Pollution Control

Received Consent fee of -

| Received | Consent ree or - |                 | -          |
|----------|------------------|-----------------|------------|
| Sr. No.  | Amount (Rs.)     | Transaction No. | Date       |
| 1        | 15000            | TXN2008000236   | 05.08.2020 |
| 2        | 260020           | TXN2010000963   | 12.10.2020 |

#### Copy to:

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

M's I M Buildcon Pvt. Ltd.

SRO Mumbai-III.

UAN No.80210

Page 2 of 6

#### Schedule-I

#### Terms & conditions for compliance of Water Pollution Control:

- A] As per your application, you have proposed to provide 2 Sewage Treatment Plant (STP) with design capacity of 103 CMD and 90 CMD based on MBBR Technology.
  - B] The Applicant shall operate the effluent treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

| Sr No. | Parameters         | Standards prescribed by Board<br>Limiting Concentration |
|--------|--------------------|---|
| 1      | pH                 | 6.5 to 9.0  |
| 2      | BOD (3 days 27oC)  | 10mg/l  |
| 3      | Suspended Solids   | 20mg/l  |
| 4      | COD                | 50mg/l  |
| 5      | Total Nitrogen     | 10 mg/l   |
| 6      | Ammonical Nitrogen | 5 mg/l (1)  |
| 7      | Fecal Coliform     | 100 MPN/100ml   |

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

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

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

- 2) The industry should ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 3) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act.

| Sr.<br>no. | Purpose for water consumed | Water consumption<br>quantity (CMD) |
|------------|----------------------------|-------------------------------------|
| 1          | Domestic purpose           | 150                                 |

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

year.

M's I M Buildcon Pvt. Ltd.

SRO Mumbai-III,

UAN No.80210

Page 3 of 6

# Schedule-II Terms & conditions for compliance of Air Pollution Control: 1. As per your application, you have installed the Air pollution control (APC)system and also proposed to erect following stack (s) and to observe the following fuel pattern-UOM SO2 Quantity APC Height Type Stack Kglday Attached To System in -NA-\* Above roof of the building in which it is installed. 2. The applicant should operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards. 150 mg/Nm<sup>3</sup>. Particulate matter | Not to exceed 3. The Applicant should obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement alteration well before its life come to an end or erection of new pollution control equipment. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary). 13harashra Poli Page 4 of 6 Mix 1 M Buildcon Pvt. Ltd. SRO Mumbai-III.

|            | Schedule-III  Details of Bank Guarantees |                      |                      |  |                      |               |
|------------|--|----------------------|----------------------|--|----------------------|---------------|
| Sr.<br>No. |  | Amt of BG<br>Imposed | Submission<br>Period | Purpose of BG  | Compliance<br>Period | Valid<br>Date |
| 1          | E/O/R) Consent to establish              | Lakhs                | 15 Days              | Towards Compliance of Environmental Clearance &Consent conditions. | Continuous           | 5 Yrs         |
|            |  | Ž,                   | 18 Polli             | Clearance &Consent conditions.                                     | OBOST                |               |
|            | Mg                                       | 19192                |                      |  |                      |               |

#### Schedule-IV

General Conditions:

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

- 1) The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and environmental protection Act 1986 and Solid Waste Management Rules, 2016 and E-Waste (Management) Rules, 2016.
- 3) Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 5) Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
  - d) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
  - e) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - f) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - g) D.G. Set shall be operated only in case of power failure.
  - h) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- Solid Waste The applicant shall provide onsite municipal solid waste processing system &shall comply with Solid Waste Management Rules, 2016 & E-Waste (M) Rules, 2016.
- 7) Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- The treated sewage shall be disinfected using suitable disinfection method.
- 9) The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 10) The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project

M/s 1 M Buildcon Pvt. Ltd.

SRO Mumbai-III.

UAN No.80210

Page 6 of 6

Annexure 19: Photos of Hygiene and Sanitization Measures for Workers











### **Annexure 20: IOA Approval**

#### **IOA Rehab**



SLUM REHABILITATION AUTHORITY
No. SRA ENG/3343/PS/STGL/AP

No. SRA ENG/3343/PS/STGL/A

Developer,

M/s. I.M. Buildcon Pvt. L.d. \*
Office No. 618, 6th floor,
Corporate Avenue, Sonaw da Road,
Goregaon (E), Mumbai - 400 063.

Sub.: Amended IOA of Composite Building for S. R. Scheme under Regulation 33(10) and Regulation 30 of DCPR 2031 on plot bearing C.T.S. No 18(pt.), 38A of 62A/7 of Village Dindos of Taluka Malad, Mukadam Compound, Schakarwadi, G.M. Link Roac, 'P/South' Ward of M.C.G.M, Goregaon (E) Mumbai, Amalgamatic: with CTS No. 36A/1(pt.) & 36A/2(pt.) of Village Dindoshi, Taluka Dalad, Mukadam Compound, Sahakarwadi, J.M. Link Road, 'P/South' Ward of M.C.G.M, Goregaon (E), Mumbai for "Aakar Nirman S.R.A Co. Op. Hsg. Soc. (Prop)".

Ref.: Your letter dtd. 14/05/2019.

S'r,

With reference to above, the amended plan, submitted by you for the Composite building are hereby approved subject to the following conditions:

- 1 That all conditions mentioned in evised LOI under No. SRA/ENG/2657/Pt /STGL/LOI dtd. 09/05/2019 shall be complied with.
- 2 That all the conditions mentioned in IOA under No. SRA/ENG/3343/Pt /STGL/AP dtd. 10/06/2010 shall be complied with.
- That all the conditions mentioned in IOA under No. SRA/ENG/3343/P! /STGL/AP dtd. 22/09/201' shall be compiled with
- 4 That the final plan mounted on canvas shall to submitted before asking for Occupation Certific se.
- 5 That the R.C.C. / Extractural design, drawing at d calculation as per amended plans shall be subn itted by Structural Consults at before asking for C.C.

Administrative Building, Prof. Anant Kanekar Marg, Bandra (East), Mumbai - 400 051. Tel.: 2656 5800, 2659 0405 / 1879, Fax: 022-2659 0457, Email: info@sra.gov.in

- That you shall sub nit NOC from C.F.O. as per amended plans before asking further C.C.
- That you shall su mit the remarks/NOC from Ch.Eng. (M & E) of MCGM before granting fur her C.C. to the Composite building.

On set of amended plan is returned herewith as token of approval.

Yours faithfully,

E :ecutive Engineer-II Slun Rehabilitation Authority

### **Annexure 20: IOA Approval**

#### **IOA Sale**



No. PS/STGOVT/0011/20120327/AP/S Date: 2 3 A 2 2021

To, Shri.Nikhil Mahajan of M/s. Prism Architects & Interior Designers, Office No. 114, 1th Floor, Corporate Avenue, Sonawala Road, Goregaon(E), Mumbai 400 063.

> Sub:-Amended IOA of Sale Bldg. No. 2 in Slum Rehabilitation Scheme under Reg. 33(10) & Reg. 30 of DCPR 2034 on plot bearing CTS No. 18(pt.), 36A/1(pt.), 36A/2(pt.), 38A & 62A/7 of Village Dindoshi, Taluka Malad, Mukadam Compound, Sahkarwadi, G.M. Link Road, 'P/South' Ward of M.C.G.M, Goregaon (E), Mumbai. 400063.

Ref.:- Your application dtd. 11/08/2021.

Sir,

With reference to above, the amended plans submitted by you for the Sale building No. 02 are hereby approved subject to the following conditions:

- That all the conditions mentioned in revised LOI under No. SRA/ENG/2657/PS/STGL/LOI dtd.09/05/2019 shall be complied with.
- That all the conditions mentioned in IOA under No. PS/STGOVT/0011/20120327/AP/S dtd. 21/05/2019 shall be complied with.
- That the final plan mounted on canvas shall be submitted before asking for Occupation Certificate.
- That the revised RCC design, calculation & certificate from licensed Structural Engineer shall be submitted before C.C endorsement to bldg. u/ref.
- That you shall submit revised NOC from C.F.O. as per amended plans before asking further C.C
- That you shall submit NOC from E.E (T & C)/ Consultants before asking for Further C.C.
- That you shall undertake to pay entire Stamp Duty of the prospective buyers
  of the units for which Facility of 50% reduction in Fungible compensatory FSI
  premium is availed by you.

Administrative Building, Prof. Anant Kanekar Marg, Bandra (East), Murnbai - 400 051, Tel.: 2656 5800, 2659 0405 / 1879, Fax : 022-2659 0457, Email: info@sra.gov.in

- That you shall display on your website the list of all the beneficiaries of Stamp Duty and you shall also submit the list of the beneficiaries to RERA Authority and SRA.
- 9. That you shall incorporate a condition in the Sale Agreement to the effect that the facility of 50% reduction in Fungible compensatory FSI premium has been availed by you and the same is to be passed on to the prospective buyers in terms of payment of Stamp Duty of the respective commercial units.
- That you shall undertake to comply all the conditions mentioned in the Govt. Notification issued under No. TPS 1820/AN - 27/P.K. 80/20/UD 13 dated 14.01.2021.
- 11. That you will mark the flat for which benefit of premium FSI is taken.

One set of amended plan is returned herewith as token of approval.

Yours faithfully,

Executive Engineer Slum Rehabilitation Authority

Copy to:

 M/s. I. M. Buildcon Pvt. Ltd, Office No. 809-811, 8th Floor, Corporate Avenue, Sonawala Road, Goregaon (E), Mumbai 400 063.

- Assistant Municipal Commissioner P/South' Ward.
- A.E.W.W. 'P/South' Ward.
- 4. A. A. & C. 'P/South' Ward.

For information please.

Executive Engineer Slum Rehabilitation Authority

### **Annexure 20: IOA Approval**

### Area Details as per IOA Approval



Corporate Office: 114, 115, 116, Corporate Avenue, Sonawala Road, Goregaon (E), Mumbai: 63.

Date: 08.12.2021

To,
The Member Secretary (SEIAA)
State Environment Impact Assessment Authority
15<sup>th</sup> Floor, Environment Dept.,
New Administrative Building,
Mumbai-400032, Maharashtra.

**Subject:** Area Details as per IOA for Proposed Residential and Commercial redevelopment at Plot bearing CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka-Malad, Mukadam Compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon East, Mumbai- 400063.

### Respected Madam,

We M/s. Prism Architects & Interior Designers (License No./Registration no: CA/2002/29357) hereby inform you that one of our clients M/s. IM Buildcon Pvt. Ltd. is developing the above captioned project.

M/s. IM Buildcon Pvt. Ltd has obtained IOA for the captioned project on Plot bearing CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam Compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon- East, Mumbai- 400063. The Area details as per the IOA are given below;

| Particulars                 | Details (Sq.m)  | Approval Details                               |  |  |
|-----------------------------|---|--|--|--|
| Gross Plot Area<br>FSI Area | 4106.12   | Sale IOA - File no                             |  |  |
|                             | 21568.37  | PS/STGOVT/0011/20120327/AP/S dated 23.08.2021. |  |  |
| Non FSI Area                | 23.08.2021<br>n FSI Area 14367.92 REHAB IOA -<br>construction 35936.29 SRA/ENG/3343/PS/ST | REHAB IOA - File no                            |  |  |
| Total Construction<br>Area  |   | SRA/ENG/3343/PS/STGL/AP dated 21.05.2019       |  |  |

Thanking You,

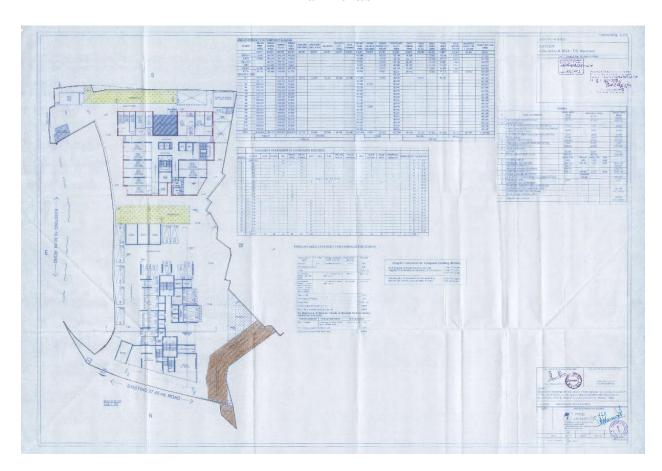
Yours Faithfully,

Authorized Signatory Ar. Nikhil Mahajan

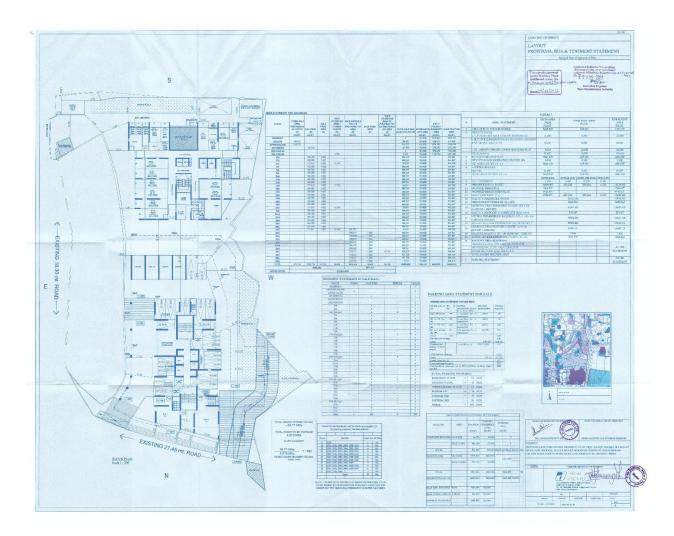
(License No/Registration no: CA/2002/29357)

T . +9122 2685 6060 F . +9122 2685 0101 E . info@prismgroup.biz W . www.prismgroup.biz

## **Plan Rehab**



### **Plan Sale**



Annexure 21: Two wheeler parking plans





3<sup>rd</sup> Podium

# **Annexure 22: Basement Dewatering Plan**



### **Annexure 23: Undertaking for ECBC Compliance**



#### TO WHOMSOEVER IT MAY CONCERN

We, M/s. IM Buildcon Pvt. Ltd., have proposed "Applaud 38" Proposed Residential and Commercial redevelopment at Plot bearing CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon-East, Mumbai-400063

We, hereby state that the proposed project located at Mumbai will be complying with the ECBC Norms. The report for the same is prepared and is being submitted.

Thanking you,

Director

Yours Faithfully,

M/s. IM Buildcon Pvt. Ltd.



Hospitality

809-811, 8th Floor, The Corporate Avenue, Sonawala Lane, Goregaon (East), Mumbai-400 063. T:+91-22-26856161 +91-22-26866161 +91-22-49698086

E: info@imbuildcon.in w:www.imbuildcon.in

### Annexure 24: Acknowledgement of EC letter submitted to local body and NGO

#### **Letter to MCGM**



Date: 14-01-2022.

To,

The Commissioner,

Municipal Corporation of Greater Municipal

Fort, Mumbai – 400001.



Subject:- Submission of Environment Clearance dated 10.01.2022 vide letter no -SIA/MH/MIS/219962/2021 for Proposed Residential cum Commercial redevelopment known as "Applaud 38" located at plot bearing CTS no. 18(pt), 36A/1 (pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link road, P south ward of MCGM, Goregaon.

Respected Sir,

This is to inform for the captioned project, we have received Environment Clearance (EC) on 10th January 2022. As suggested by Ministry of Environment & Forest (MoEF) sharing herewith a copy of the said document for your kind reference.

In reference to this letter, request you to share an acknowledgement of the receipt of EC Copy.

Enclosure

1) Copy of Environment Clearance

Thanking you,

Yours Faithfully.

Imran R. Khan,

(Director)

For IM Buildcon Pvt. Ltd.

IM BUILDCON PVT. LTD. ⊚ Realty & Infra ⊚ Education

Hospitality

809-811, 8th Floor, The Corporate Avenue, Sonawala Lane, Goregaon (East), Mumbai-400 063.

T: +91-22-26856161 +91-22-26866161

E: info@imbuildcon.in w:www.imbuildcon.in

#### **Letter to NGO**



Date: 18-01-2022.

To, Vasai Medical and Educational Trust, A - G/01, 02, Bhoir Residency, Bassein Road, Sai Nagar, Vasai (West). Palghar - 401202.

Subject: - Submission of Environment Clearance dated 10.01.2022 vide letter no -SIA/MH/MIS/219962/2021 for Proposed Residential cum Commercial redevelopment known as "Applaud 38" located at plot bearing CTS no. 18(pt), 36A/1 (pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link road, P south ward of MCGM, Goregaon.

Respected Sir,

This is to inform for the captioned project, we have received Environment Clearance (EC) on 10th January 2022. As suggested by Ministry of Environment & Forest (MoEF) sharing herewith a copy of the said document for your kind reference.

In reference to this letter, request you to share an acknowledgement of the receipt of EC Copy.

Enclosure

1) Copy of Environment Clearance

Thanking you,

Yours Faithfully,

Imran R. Khan, (Director)

For IM Buildcon Pvt. Ltd.

IM BUILDCON PVT. LTD. @ Realty & Infra @ Education

Hospitality

809-811, 8th Floor, The Corporate Avenue, Sonawala Lane, Goregaon (East), Mumbai-400 063. T:+91-22-26856161 +91-22-26866161 +91-22-49698086

E: info@imbuildcon.in w:www.imbuildcon.in

# ANNEXURE - A

### 1. PROJECT DETAILS

| Sr. | Description                    |                             | Deta                    | nils  |  |
|-----|--------------------------------|-----------------------------|-------------------------|---|--|
| No. | •                              |                             |                         |   |  |
| 1   | Area Details                   |                             | 1-                      |   |  |
|     |                                | Particulars                 | Proposed in             | Approved  |  |
|     |                                |                             | EC Application          | in EC dated   |  |
|     |                                |                             | (sq. m)                 | 10 <sup>th</sup>                                      |  |
|     |                                |                             |                         | January   |  |
|     |                                |                             |                         | 2022  |  |
|     |                                |                             |                         | (sq. m)   |  |
|     |                                | Plot Area (sq.              | 4106.120                | 4106.120  |  |
|     |                                | m.)                         |                         |   |  |
|     |                                | FSI Area (sq m.)            | 22083.98                | 21568.37  |  |
|     |                                | Non-FSI (sq.                | 19982                   | 14367.92  |  |
|     |                                | m.)                         |                         |   |  |
|     |                                | Proposed                    | 42065.98                | 35936.29  |  |
|     |                                | built-up area               |                         |   |  |
|     |                                | (FSI + Non<br>FSI) (sq. m.) |                         |   |  |
| 2   | Building Configuration         |                             | pper ground + 3         | podiums+4 <sup>th</sup> floor to 38 <sup>th</sup>     |  |
| _   | 2 unumg comiguration           | Height – 119.95             | m                       | P 0 42 40 10 00                                       |  |
|     |                                | _                           |                         | nmercial floors + 6 <sup>th</sup> to 22 <sup>nd</sup> |  |
|     |                                | Height – 69.40 r            | n                       |   |  |
| 3   | No. of Tenements & Shops       | Sale – 201 Flats, 8 Shops   |                         |   |  |
|     |                                | Rehab – 160 Fla             | ts, 108 Shops           |   |  |
| 4   | Total Population (Nos.)        | 2111                        |                         |   |  |
| 5   | Total Water Requirements (CMD) | 239 m <sup>3</sup> /day     |                         |   |  |
| 6   | Sewage Generation (CMD)        | 190 m <sup>3</sup> /day     |                         |   |  |
| 7   | STP Capacity & Technology      | STP (Sale) – 110 KLD        |                         |   |  |
|     |                                | STP (Rehab) – 9             |                         |   |  |
|     |                                | MBBR Technolo               | ogy                     |   |  |
| 8   | STP Location                   | Basement 1                  |                         |   |  |
| 9   | Total Solid Waste Quantities   | Wet Waste - 1221 Kg/Day,    |                         |   |  |
|     |                                | Dry Waste – 523             | •                       |   |  |
|     |                                | Total Solid Was             | te – 17 <b>44</b> Kg/da | У   |  |

| Sr.<br>No. | Description                         | Details                      |                                       |  |
|------------|-------------------------------------|------------------------------|---------------------------------------|--|
| 10         | R.G. Area (sq. m).                  |                              |                                       |  |
|            |                                     | RG required                  | 320.08 Sq.m                           |  |
|            |                                     | RG provided on Ground        | 347.36 Sq.m                           |  |
|            |                                     | RG provided on Podium        | 111.62 Sq.m                           |  |
|            |                                     | RG provided on Terrace       | 645.37 Sq.m                           |  |
|            |                                     | Total RG provided            | 1,104.36 Sq.m                         |  |
| 14         | Power requirement                   | During Operation Phase:      |                                       |  |
|            | -                                   | Details                      |                                       |  |
|            |                                     | Connected Load (kW)          | 2110 KW (Rehab) and 3865<br>KW (Sale) |  |
|            |                                     | Demand Load (kW)             | 856 KW (Rehab) and 1119<br>(Sale)     |  |
| 15         | Energy Efficiency                   | Overall energy savings – 18. |                                       |  |
|            | , s                                 | Energy savings through rene  |                                       |  |
| 16         | D.G. set capacity                   | NA                           | •                                     |  |
| 17         | Parking 4W & 2W                     | 4 Wheelers – 272 nos         |                                       |  |
|            | _                                   | 2 Wheelers – 51 nos          |                                       |  |
| 18         | Rain water harvesting scheme        | 60 cum                       |                                       |  |
| 19         | Project Cost in (Cr.)               | 137.5 Cr                     |                                       |  |
| 20         | EMP Cost                            | Construction Phase – 29.05 I | Lakhs                                 |  |
|            |                                     | Operation Phase – 405.02 La  |                                       |  |
| 21         | CER Details (with justification, if | 11 1                         | F&CC OM F. NO. 22-65/2017-            |  |
|            | any)                                | IA.III dt. 30.09.2020)       |                                       |  |

### **ANNEXURE - B**

#### **EMP for Construction Phase**

### EMP FOR AIR ENVIRONMENT

### Construction Phase (EMP for Air Environment):

To mitigate the impacts of PM<sub>10</sub> & PM<sub>2.5</sub> during the construction phase of the project, the following measures are recommended for implementation:

#### **Dust Control Plan:**

The most cost-effective dust suppressant is water because water is easily available on construction site. Water can be applied using water trucks, handled sprayers and automatic sprinkler systems. Furthermore, incoming loads could be covered to avoid loss of material in transport, especially if material is transported off-site.

#### **Vehicle Emission Controls and Alternatives**

- During construction, vehicles will be properly maintained to reduce emission. As
  it is a construction project, vehicles will be generally having "PUC" certificate.
- Footpaths and Pedestrian ways: Adequate footpaths and pedestrian ways would be provided at the site to encourage non-polluting methods of transportation

### **Procedural Changes to construction activities**

#### **Idle time reduction**:

Construction equipment is commonly left idle while the operators are on break or waiting for the completion of another task. Emission from idle equipment tends to be high, since catalytic converters cools down, thus reducing the efficiency of hydrocarbon and carbon monoxide oxidation. Existing idle control technologies comprises of power saving mode, which automatically off the engine at present time and reduces emissions, without intervention from the operators.

#### **Improved Maintenance:**

Significant emission reductions can be achieved through regular equipment maintenance. Contractors will be asked to provide maintenance records for their fleet as part of the contract bid, and at regular intervals throughout the life of the contract. Incentive provisions will be established to encourage contractors to comply with regular

maintenance requirements.

#### **Reduction of On-Site Construction Time:**

Rapid on-site construction would reduce the duration of traffic interference and therefore, will reduce emissions from traffic delay.

### Operation Phase (EMP for Air Environment):

To mitigate the impacts of pollutants from DG set and vehicular traffic during the operational phase of the Project, following measures are recommended for implementation:

#### **Diesel Generator Set Emission Control Measures**

Adequate stack height will be maintained to disperse the air pollutants generated from the operation of DG set to dilute the pollutants concentration within the immediate vicinity. Hence no additional emission control measures have been suggested.

### **RG** Development

Increased vegetation in the form of greenbelt is one of the preferred methods to mitigate air and noise pollution. Plants serve as a sink for pollutants, act as a barrier to break the wind speed as well as allow the dust and other particulates to settle on the leaves. It also helps to reduce the noise level to a large extent. The following **Table** indicates various species of the greenbelt that can be used to act as a barrier.

Trees to be planted in the premises of Project

| Sr. No.                   | Name of trees                 | No of trees |  |  |  |  |  |
|---------------------------|-------------------------------|-------------|--|--|--|--|--|
| RG 1: Miyawaki Plantation |                               |             |  |  |  |  |  |
| 1.                        | Tamarindus indica             | 7           |  |  |  |  |  |
| 2.                        | Azadirachta indica            | 5           |  |  |  |  |  |
| 3.                        | Syzygium cumini               | 6           |  |  |  |  |  |
| 4.                        | Mangifera indica              | 6           |  |  |  |  |  |
| 5.                        | Lagerstroemia speciose        | 2           |  |  |  |  |  |
| 6.                        | Artocarpus heterophyllus      | 5           |  |  |  |  |  |
| 7.                        | Neolamarckia cadamba          | 4           |  |  |  |  |  |
|                           | Total                         | 35          |  |  |  |  |  |
|                           | RG 2: Miyawaki Plantation     |             |  |  |  |  |  |
| 8.                        | Mimusops elengi               | 5           |  |  |  |  |  |
| 9.                        | Nyctanthes arbor-tristis Linn | 6           |  |  |  |  |  |
| 10.                       | Pongamia pinnata              | 7           |  |  |  |  |  |
| 11.                       | Phyllanthus emblica           | 5           |  |  |  |  |  |
| 12.                       | Ficus racemosa                | 5           |  |  |  |  |  |
| 13.                       | Madhuka longifolia            | 6           |  |  |  |  |  |
| 14.                       | Saraca indica                 | 5           |  |  |  |  |  |
| 15.                       | Bauhinia variegata            | 2           |  |  |  |  |  |
|                           | Total                         | 41          |  |  |  |  |  |

| Live Fencing |                                   |     |  |  |  |  |  |
|--------------|-----------------------------------|-----|--|--|--|--|--|
| 16.          | Saraca Asoka                      | 8   |  |  |  |  |  |
| 17.          | Delonix regia                     | 2   |  |  |  |  |  |
|              | Total no. of trees 86             |     |  |  |  |  |  |
|              | Other Flora                       |     |  |  |  |  |  |
| 1            | Cocus nucifera                    | 8   |  |  |  |  |  |
| 2            | Bambusa arundinaceae              | 128 |  |  |  |  |  |
| Total        | Total no. of Additional Flora 136 |     |  |  |  |  |  |

#### EMP FOR NOISE ENVIRONMENT

### Construction Phase (EMP for Noise Management):

To mitigate the impacts of noise from construction equipment during the construction phase on the site, the following measures are recommended for implementation.

### **Time of Operation:**

Noisy construction equipment has not been allowed to use at night time.

### **Job Rotation and Hearing Protection:**

Workers employed in high noise areas are not employed on shift basis. Hearing protection such as earplugs/muffs will be provided to those working very close to the noise generating machinery.

#### Other Measures:

- Developer must ensure barricading for minimum of 5 m (as the site is adjacent to road)
- During construction, shady trees can be planted on the periphery of the boundary to reduce noise impact
- Also to reduce noise impact, one must ensure smooth movement of traffic vehicles
- Measures of NBC, 2016 must be followed by developer to control noise
- Developer must follow guidelines of BS 5228 and Defra Guideline (NO 0234)
- Plant and vehicles should comply with EU noise emission limit
- Control hours of operation of all plants and vehicles and machineries
- Avoid unnecessary use of plant and machinery
- Use acoustic barriers whenever possible
- Use line flat bed lorries or storage bin with noise attenuating materials
- Handle materials carefully; for example, scaffolding and fittings should be carried and placed; not thrown or dropped

- Ensure that materials are delivered and installed during normal working hours
- Ensure site supervision during installation
- Maintain vehicles regularly to reduce engine, exhaust, and body rattle noise
- Use silencer based plants and machinery to avoid noise impact
- Ensure that hard road surfaces are well maintained to reduce rattling of vehicles
- Use mechanical sweeper with noise attenuators
- Observe less or no waiting time for the vehicles or plants and machinery so that they are not running unnecessarily
- Don't leave equipment running unnecessarily
- Service and maintain as well as clean the equipment of regular basis
- As far as possible, use self-compacting concrete to reduce the need for vibrating equipment
- Use shielding or barriers around pumps, compressors and machinery
- Also install online noise monitoring system to understand the noise level at the site (continuous level), so that immediate decision can be taken to control any activity which is causing noise pollution

### Operation Phase:

To mitigate the impacts of noise from diesel generator set during operational phase, the following measures are recommended

### **Noise Emission Control Technologies**

Source of noise in the operational phase will be from backup DG sets (which will be in operation only during power failure) and pumps & motors. All the machinery will be of highest standard of reputed make and will comply with standard i.e. The DG set room will be provided with acoustic enclosure to have minimum 75 dB(A) insertion loss or for meeting the ambient noise standard whichever is on higher side.

### **RG** Development

The following species can be used, as in a greenbelt, to serve as noise breakers:

- Acacia auriculiformis
- > Anonasquamosa
- > Acacia farnesiana
- > Acacia mearnsii
- > Acacia nilotica
- > Achras sapota

#### EMP FOR WATER ENVIRONMENT

### Construction Phase (EMP for Water Management):

To prevent degradation and to maintain the quality of the water source, adequate control measures have been proposed. To check the surface run-off as well as uncontrolled flow of water into any water body check dams with silt basins are proposed. The following management measures are suggested to protect the water source being polluted during the construction phase.

- Avoid excavation during monsoon season
- Care has been taken to avoid soil erosion
- Common toilets have been constructed on site during construction phase and the sewage would be channelized to the septic tanks in order to prevent sewage to enter into the water bodies.
- To prevent surface and ground water contamination by oil and grease, leak-proof containers has been used for storage and transportation of oil and grease. The floors of oil and grease handling area have been kept effectively impervious. Any wash off from the oil and grease handling area or workshop has been drained through imperious drains.
- Collection and settling of storm water, prohibition of equipment wash downs and prevention of soil loss and toxic release from the construction site are necessary measure to betaken to minimize water pollution.
- All stacking and loading area has been provided with proper garland drains,
   equipped with baffles, to prevent run off from the site, to enter into any water body.

### Operation Phase (EMP for Water Management):

In the operation phase of the project, water conservation and development measures will be taken, including all possible potential for rain water harvesting. Following measures will be adopted.

### **Water Source Development**

Water source development shall be practiced by installation of scientifically designed Rain Water Harvesting system. Rainwater harvesting promotes self-sufficiency and fosters an appreciation for water as a resource.

### **Minimizing Water Consumption**

Consumption of fresh water will be minimized by combination of water saving devices and other domestic water conservation measures. Further, to ensure on-going water conservation, an awareness program will be introduced for the students and employees. The following section discusses the specific measures, which shall be implemented

#### **Wastewater Treatment Scheme**

The sewage will be treated in the STP provided within the complex. STP which will be recycled within the project and remaining will be discharged to Sewer.

#### **Other Measures:**

- LFD would be installed
- Rainwater harvesting would be installed
- Recycle and reuse of water would be taking place
- Recycled water would be used for flushing and gardening purpose

### EMP FOR LAND ENVIRONMENT

Construction Phase:

#### **Construction Debris:**

Construction debris is bulky and heavy and re-utilization and recycling is an important strategy for management of such waste. As concrete and masonry constitute the majority of waste generated, recycling of this waste by conversion to aggregate can offer benefits of reduced landfill space and reduced extraction of raw material for new construction activity. This is particularly applicable to the project site as the construction is to be completed in a phased manner. Mixed debris with high gypsum, plaster, has not been be used as fill, as they are highly susceptible to contamination, and will be send to designated solid waste landfill site. Metal scrap from structural steel, piping, concrete reinforcement and sheet metal work has been removed from the site by construction

contractors. A significant portion of wood scrap has been reused on site. Recyclable wastes such as plastics, glass fibre insulation, roofing etc. shall be sold to recyclers.

#### **Hazardous Waste:**

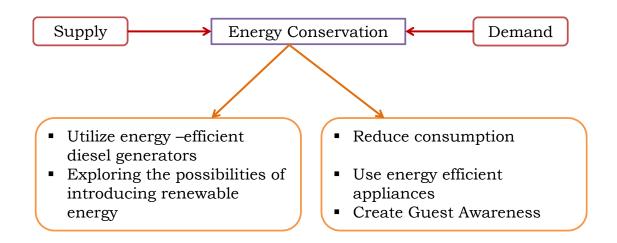
Construction sites are sources of many toxic substances such as paints, solvents wood preservatives, pesticides, adhesives and sealants. Hazardous waste generated during construction phase shall be stored in sealed containers and disposed off as per The Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008.

### Operation Phase:

The philosophy of solid waste management at the complex will be to encouraging the four R's of waste i.e. Reduction, Reuse, Recycling and Recovery (materials & energy). Regular public awareness meetings will be conducted to involve the people in the proper segregation and storage techniques. With regards to the disposal/treatment of waste, the management will take the services of the authorized agency for waste management and disposal of the same on the project site during its operational phase.

#### EMP FOR ENERGY CONSERVATION

Energy conservation program will be implemented through measures taken both on energy demand and supply.



Energy conservation will be one of the main focuses during the complex planning and operation stages. The conservation efforts would consist of the following;

### **Architectural design**

- Maximum utilization of solar light has been done.
- Maximize the use of natural lighting through design.
- The orientation of the buildings has been done in such a way that maximum daylight is available.
- The green areas has been spaced, so that a significant reduction in the temperature can take place

### **Energy Saving Practices**

- Energy efficient lamps have been provided within the complex.
- Constant monitoring of energy consumption and defining targets for energy conservation.
- Adjusting the settings and illumination levels to ensure minimum energy used for desired comfort levels

#### ENVIRONMENTAL MONITORING

The purpose of environmental monitoring is to evaluate the effectiveness of implementation of Environmental Management Plan (EMP) by periodic monitoring. The important environmental parameters within the impact area are selected so that any adverse effects are detected and time action can be taken. The project proponent will monitor ambient air Quality, Ground Water Quality and Quantity, and Soil Quality in accordance with an approved monitoring schedule.

The detailed Monitoring Programme is given in **Table** 

**Monitoring Programme for Project** 

| Sr. No. | Туре                                    | Location     | Parameters   | Period and Frequency  |
|---------|---|--------------|--|---|
| 1       | Ambient Air<br>Quality                  | Project Site | Criteria Pollutants:<br>SO <sub>2</sub> , NO <sub>2</sub> , PM <sub>10</sub> ,<br>PM <sub>2.5</sub> , CO | Half yearly (24 hr. average samples) during construction phase and annual during operation phase. |
| 2       | Groundwater<br>(Portability<br>testing) | Project Site | Drinking water<br>parameters as per<br>Standards   | Half yearly   |

| Sr. No. | Туре                      | Location            | Parameters  | Period and Frequency  |
|---------|---------------------------|---------------------|---|---|
| 3       | Ambient<br>Noise          | Project Site        | dB (A) levels   | Half yearly (Hourly day and night time leq levels) during construction phase and every year during operation phase. |
| 4       | Potable Water<br>Quality  | Municipal<br>Supply | As per IS potable water standards   | Half yearly   |
| 5       | Soil Quality              | Project Site        | Organic matter,<br>C.H., N, Alkalinity,<br>Acidity, heavy<br>metals and trace<br>metal, Alkalinity, Acidity | Half yearly   |
| 6       | Waste<br>Characterization | Educational         | Physical and<br>Chemical composition  | Daily   |
| 7       | Treated Water             | Outlet of STP       | BOD, MPN, coliform count, etc.  | Daily   |

### **ANNEXURE - C**

# **BUDGETARY ALLOCATION DURING CONSTRUCTION PHASE**

| No. | Component                             | Description  | Capital Cost in<br>Lakhs Rs |
|-----|---------------------------------------|--|-----------------------------|
| 1   | Barricading and Dust Suppression      | Air Pollution and Erosion Control                              | 3                           |
| 2   | PPE for Workers (Gloves, Shoes etc.)  | Site Safety and Health Safety                                  | 2                           |
| 3   | Bio Toilets and Basins                | Site sanitation  | 1.5                         |
| 4   | Health Check –up                      | Health safety  | 2                           |
| 5   | Air, Water, Soil and noise monitoring | Environmental monitoring                                       | 1.5                         |
| 6   | Portable STP                          | Portable STP Treatment of wastewater during construction phase |                             |
| 7   | DMP                                   | Personal Protective Equipments, Fire Safety, etc               | 14.05                       |
|     |                                       | 29.05  |                             |

### **BUDGETARY ALLOCATION DURING OPERATIONAL PHASE**

| No. | Component                 | Description   | Capital Cost in<br>Lakhs Rs | O/M Cost in<br>Lakhs Rs. Per yr     |
|-----|---------------------------|---|-----------------------------|-------------------------------------|
| 1   | STP                       | Waste Water Treatment   | 20                          | AMC – 6.6 (1 year)<br>10 years – 66 |
| 2   | Rain Water<br>Harvesting  | To harvest and recycle rain water                                     | 10                          | 1                                   |
| 3   | Solid Waste<br>Management | To treat biodegradable solid waste by composter                       | 15                          | 4.5 (including operators)           |
| 4   | Solar System              | Solar lightning   | 15                          | 1.5                                 |
| 5   | Landscaping               | RG Development  | 10                          | 2.5 (including gardeners)           |
| 6   | Low Flow<br>Devices       | Plumbing Fixtures   | 238                         | 23.8                                |
| 7   | DMP                       | Flood management, Fire Safety,<br>Personal Protective equipments, etc | 97.02                       | 4.8                                 |
|     |                           | Total   | 405.02                      | 44.7                                |

The above budgetary allocations are the approximate values

Till the date approximately **Rs. 10 Lakhs** were spent on maintenance of Environmental Management Plan. The letter is attached for reference.

# **EMP Expenditure letter**



Date: 09-05-2022

To, The Member Secretary, State Level Impact Assessment Authority (SEIAA), Environment Department, Mantralaya, Mumbai-400032.

Subject:

EMP expenditure for proposed Residential cum Commercial redevelopment known as "Applaud 38" located at Plot bearing CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon.

Respected sir,

We M/S. IM BUILDCON PVT. LTD. has received EC for proposed Residential cum Commercial redevelopment known as "Applaud 38" located at Plot bearing CTS no. 18(pt), 36A/1(pt), 36A/2(pt), 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon. Environmental clearance vide letter no. EC22B038MH110509 dated 10.1.2022

Till date Rs.10,00,000/- (Ten lakhs) has been incurred on Environment Management Plan.

Thanking you,

Yours faithfully,

For M/S. IM BUILDCON PVT. LTD.





IM BUILDCON PVT. LTD. © Realty & Infra © Education

Hospitality