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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEAC-2015/CR-~~24~~TC-1  
Environment department  
Room No. 217, 2<sup>nd</sup> floor,  
Mantralaya Annexe,  
Mumbai- 400 032.  
Date: 12<sup>th</sup> July, 2016

To,  
M/s Dosti Realty Ltd.  
Lawrence & Mayo House,  
1<sup>st</sup> Floor, 276, Dr. D. N. Road,  
Fort, Mumbai- 400 001.

Subject: Environmental clearance for residential development with public parking at CS.No.2A/116 & 4/116 of Salt Pan Division & 4/356 of Matunga Division, Vidyalankar College Road, Antop Hill, Wadala (E), Mumbai by M/s Dosti Realty Ltd.

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-II, Maharashtra in its 42<sup>nd</sup> meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 99<sup>th</sup> meeting.

2. It is noted that the proposal is considered by SEAC-II under screening category 8(b) B1 as per EIA Notification 2006.

**Brief Information of the project submitted by you is as-**

|  |   |
|--|---|
| Name of Project  | Proposed Residential development with public parking facility at Wadala (E), Mumbai   |
| Name of Proponent  | •Name: Mr. Deepak K. Goradia (Managing Director)<br>M/s. Dosti Realty Ltd.  |
| Name of Consultant   | •Name: Environmental Consultants :<br>M/s. Ultra-Tech Environmental Consultancy & Laboratory  |
| Accreditation of Consultant (NABET Accreditation)  | • QCI NABET List for the construction project / Area development project / Township:<br>S.N. 93 of LIST 'A' of MoEF - O.M. No. J 11013/77/2004/IA II(I) dated September 30, 2011<br>Sr. No.159 of list of Consultants with Provisional Accreditation * (Rev.39) of dated 8 <sup>th</sup> October 2015 |
| Type of project: Housing project / Industrial Estate / SRA scheme / MHADA / Township or others | Category 8 (B1)   |
| Location of the Project  | C.S. No. 2A/116 & 4/116 of Salt Pan Division & 4/356 of Matunga Division, Vidyalankar College Road, Antop Hill, Wadala (E), Mumbai - 400 037  |
| Whether in Corporation / Municipal / other area  | Municipal Corporation of Greater Mumbai (M.C.G.M.)  |

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| Applicability of the DCR   | DCR 33 (24)  |
| Note on the Initiated Work (If applicable)   | Total constructed work (FSI+ Non FSI): Nil.<br>Date and area details in the necessary approvals issued by the competent authority (attach scan copies): Not Applicable   |
| LOI / NOC from MHADA / Other approvals (If applicable)   | Date and construction area details mentioned in the approved letter:<br>Received Public Parking LOI from M.C.G.M. dt. 15 <sup>th</sup> November 2014   |
| Total Plot Area  | 18,667.08 Sq. m.   |
| Deductions   | 933.35 Sq. m.  |
| Net Plot area  | 17,733.73 Sq. m.   |
| Permissible FSI (including TDR etc.)   | 59,230.36 Sq. m. (Including Fungible Area)   |
| Proposed Built-up Area (FSI & Non-FSI)   | •FSI area (sq. m.):59,196.90 Sq. m. (Including Fungible Area)<br>•Non FSI area (sq. m.):1, 21,600.75 Sq. m.<br>•Total BUA area (sq. m.):1,80,797.65 Sq. m.   |
| Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)  | 11,348.16 Sq. m. (63.99 %)   |
| Estimated cost of the project  | Rs. 665 Crores   |
| No. of building & its configuration(s)   | One building 3 Wings -Wing A, B & C:<br>Wing A: 3 Basement + Stilt + 5 Podia + 37 Floors + 38 Floors (Part).<br>Wing B: 3 Basement + Ground + 5 Podia + 36 Upper Floors + 37 <sup>th</sup> Floors (Part).<br>Wing C: 3 Basements + Ground + 5 Podia + 38 Upper Floors.<br>Public Parking Facility (658 nos.)           |
| Number of tenants and shops  | Flats: 544 Nos.<br>Public Parking Facility   |
| Number of expected residents / users   | Residents: 2720 Nos.<br>Public Parking Facility: 506 Nos. (Floating population)  |
| Tenant density per hector  | 307/hector   |
| Height of the building(s)  | 144.95 m. (Up to terrace level)  |
| Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | 18.30 m. wide DP Road  |
| Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 9m. - 12 m.  |
| Existing structure(s)  | Previously there was a steel industry which is already closed.   |
| Details of the demolition with disposal (If applicable)  | Not Applicable   |
| Total Water Requirement  | Dry season:<br>•Fresh water (CMD): 271<br>For Domestic : From M.C.G.M. = 248<br>For Swimming pool : From tanker water of potable quality= 23<br>•Recycled water (CMD): 168 (STP Treated sewage)<br>Flushing: 127<br>Gardening: 41<br>•Total Water Requirement (CMD): 439<br>•Fire fighting (CMD): One Time Requirement |

|                             |  |
|-----------------------------|--|
|                             | <p>Sale Building: 500 KL<br/>Public parking facility: 300 KL</p> <p>Wet Season:</p> <ul style="list-style-type: none"> <li>• Fresh water (CMD): 271</li> <li>Domestic: From M.C.G.M. = 228 + From RWH tanks = 20</li> <li>For Swimming pool : From tanker water of potable quality = 23</li> <li>• Recycled water (CMD): 127 (STP Treated sewage for flushing)</li> <li>• Total Water Requirement (CMD): 398</li> <li>• Fire fighting (CMD): One Time Requirement</li> </ul> <p>Sale Building: 500 KL<br/>Public parking facility: 300 KL</p>  |
| Rain Water Harvesting (RWH) | <ul style="list-style-type: none"> <li>• Level of the Ground water table: Between 0.3m to 2.0m below ground level</li> <li>• Size and no. of RWH tank(s) and Quantity: 1 RWH tank of capacity 112 KL</li> <li>• Location of the RWH tank(s): Underground</li> <li>• Size, no. of recharge pits and Quantity: Nil</li> <li>• Budgetary allocation (Capital cost and O&amp;M cost):<br/>Capital cost: 11.20 Lacs<br/>O &amp; M cost: 0.56 Lacs/annum</li> </ul>  |
| UGT tanks                   | <ul style="list-style-type: none"> <li>• Location(s) of the UGT tank(s): 3<sup>rd</sup> Basement</li> </ul>  |
| Storm water drainage        | <ul style="list-style-type: none"> <li>• Natural water drainage pattern<br/>The storm water collected through the storm water drains of adequate capacity will be discharged in to the municipal SWD.</li> <li>• Quantity of storm water: 0.624 m<sup>3</sup>/sec</li> <li>• Size of SWD: Internal discharge points of 600 mm X 600 mm with slope 1:250</li> </ul>   |
| Sewage and Waste water      | <ul style="list-style-type: none"> <li>• Sewage generation (CMD): 325</li> <li>• STP technology: MBBR ((Moving Bed Bio Reactor)</li> <li>• Capacity of STP (CMD): 360</li> <li>• Location of the STP: Ground level</li> <li>• DG sets (during emergency): For essential backup<br/>Sale : 1 DG set of 1250 kVA<br/>Public parking facility: 1 DG set of 1250 kVA</li> <li>• Budgetary allocation (Capital cost and O&amp;M cost)<br/>Capital cost: 68.34 Lacs<br/>O &amp; M cost: 16.37 Lacs/annum</li> </ul>  |
| Solid Waste Management      | <p>Waste generation in the Pre Construction and Construction phase:</p> <ul style="list-style-type: none"> <li>• Waste generation:<br/>Excavated material shall be partly reused and partly shall be disposed to the authorized land fill site through the authorized contractor with permission from M.C.G.M.</li> <li>• Quantity of the top soil to be preserved: Nil</li> <li>• Disposal of the construction waste debris:<br/>Construction waste shall be partly reused and partly shall be disposed to authorized land fill site with the permission of M.C.G.M.</li> </ul> <p>Waste generation in the operation Phase:<br/>Dry waste (Kg/day): 367<br/>Wet waste (Kg/day): 857</p> |

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|                               | <p>E – waste (Kg/month): Not applicable<br/> Hazardous waste (Kg/month):--<br/> <u>Biomedical waste (Kg/month) (If applicable): -- Not Applicable</u><br/> STP Sludge (Dry sludge) (Kg/day): 49</p> <p>Mode of Disposal of waste:</p> <ul style="list-style-type: none"> <li>• Dry waste: <ul style="list-style-type: none"> <li>Non recyclable: To M.C.G.M.</li> <li>Recyclable: To recyclers</li> </ul> </li> <li>• Wet waste: Composting in Eco-Biocompack Unit</li> <li>• E - waste: Not applicable</li> <li>• Hazardous waste: --</li> <li>• Biomedical waste (If applicable):Not Applicable</li> <li>• STP Sludge (Dry sludge): As manure</li> </ul> <p>Area requirement:<br/> Location(s) and total area provided for the storage and treatment of the solid waste:<br/> Location: Ground floor<br/> Area: 60 Sq. m.</p> <p>Budgetary allocation (Capital cost and O&amp;M cost)<br/> Capital cost: Rs. 42.00 Lacs (Cost for treatment of biodegradable garbage by Eco Biocompack)<br/> O &amp; M cost: Rs. 1.00 Lacs/annum (Cost for treatment of biodegradable garbage by Eco Biocompack)</p>  |                                  |             |                |   |           |                          |   |        |                       |   |        |                                  |   |          |                        |   |       |                           |   |       |                         |   |                                |                          |   |            |                                |   |        |                             |    |                  |                      |    |         |                          |
|-------------------------------|---|----------------------------------|-------------|----------------|---|-----------|--------------------------|---|--------|-----------------------|---|--------|----------------------------------|---|----------|------------------------|---|-------|---------------------------|---|-------|-------------------------|---|--------------------------------|--------------------------|---|------------|--------------------------------|---|--------|-----------------------------|----|------------------|----------------------|----|---------|--------------------------|
| <p>Green Belt Development</p> | <p>Total RG area:<br/> RG area other than green belt (Please specify for playground, etc.) - Not Applicable</p> <p>RG area under green belt (sq. m.):</p> <ul style="list-style-type: none"> <li>• RG on the ground (sq. m.): 4,434.86 Sq. m.</li> <li>• RG on the podium (sq. m.): Not Applicable</li> </ul> <p>Additionally green area on podium (sq. m.): 3,318.16 Sq. m.</p> <p>Plantation:</p> <ul style="list-style-type: none"> <li>• Number and list of trees species to be planted in the ground RG: 225 Nos.</li> </ul> <table border="1" data-bbox="619 1503 1385 2027"> <thead> <tr> <th>Sr. No.</th> <th>Common Name</th> <th>Botanical Name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Neem Tree</td> <td><i>Azadiracta indica</i></td> </tr> <tr> <td>2</td> <td>Bahava</td> <td><i>Cassia fistula</i></td> </tr> <tr> <td>3</td> <td>Karanj</td> <td><i>Pongamia pinnata / glabra</i></td> </tr> <tr> <td>4</td> <td>Sitaphal</td> <td><i>Annona squamosa</i></td> </tr> <tr> <td>5</td> <td>Arjun</td> <td><i>Terminalia cuneata</i></td> </tr> <tr> <td>6</td> <td>Mango</td> <td><i>Mangifera indica</i></td> </tr> <tr> <td>7</td> <td>Purple Butterfly Tree, Kanchan</td> <td><i>Bauhinia purpurea</i></td> </tr> <tr> <td>8</td> <td>Copper pod</td> <td><i>Peltophorum ferrugineum</i></td> </tr> <tr> <td>9</td> <td>Tamhan</td> <td><i>Lagestromia speciosa</i></td> </tr> <tr> <td>10</td> <td>White Frangipani</td> <td><i>Plumeria alba</i></td> </tr> <tr> <td>11</td> <td>Ramphal</td> <td><i>Annona reticulata</i></td> </tr> </tbody> </table> | Sr. No.                          | Common Name | Botanical Name | 1 | Neem Tree | <i>Azadiracta indica</i> | 2 | Bahava | <i>Cassia fistula</i> | 3 | Karanj | <i>Pongamia pinnata / glabra</i> | 4 | Sitaphal | <i>Annona squamosa</i> | 5 | Arjun | <i>Terminalia cuneata</i> | 6 | Mango | <i>Mangifera indica</i> | 7 | Purple Butterfly Tree, Kanchan | <i>Bauhinia purpurea</i> | 8 | Copper pod | <i>Peltophorum ferrugineum</i> | 9 | Tamhan | <i>Lagestromia speciosa</i> | 10 | White Frangipani | <i>Plumeria alba</i> | 11 | Ramphal | <i>Annona reticulata</i> |
| Sr. No.                       | Common Name   | Botanical Name                   |             |                |   |           |                          |   |        |                       |   |        |                                  |   |          |                        |   |       |                           |   |       |                         |   |                                |                          |   |            |                                |   |        |                             |    |                  |                      |    |         |                          |
| 1                             | Neem Tree   | <i>Azadiracta indica</i>         |             |                |   |           |                          |   |        |                       |   |        |                                  |   |          |                        |   |       |                           |   |       |                         |   |                                |                          |   |            |                                |   |        |                             |    |                  |                      |    |         |                          |
| 2                             | Bahava  | <i>Cassia fistula</i>            |             |                |   |           |                          |   |        |                       |   |        |                                  |   |          |                        |   |       |                           |   |       |                         |   |                                |                          |   |            |                                |   |        |                             |    |                  |                      |    |         |                          |
| 3                             | Karanj  | <i>Pongamia pinnata / glabra</i> |             |                |   |           |                          |   |        |                       |   |        |                                  |   |          |                        |   |       |                           |   |       |                         |   |                                |                          |   |            |                                |   |        |                             |    |                  |                      |    |         |                          |
| 4                             | Sitaphal  | <i>Annona squamosa</i>           |             |                |   |           |                          |   |        |                       |   |        |                                  |   |          |                        |   |       |                           |   |       |                         |   |                                |                          |   |            |                                |   |        |                             |    |                  |                      |    |         |                          |
| 5                             | Arjun   | <i>Terminalia cuneata</i>        |             |                |   |           |                          |   |        |                       |   |        |                                  |   |          |                        |   |       |                           |   |       |                         |   |                                |                          |   |            |                                |   |        |                             |    |                  |                      |    |         |                          |
| 6                             | Mango   | <i>Mangifera indica</i>          |             |                |   |           |                          |   |        |                       |   |        |                                  |   |          |                        |   |       |                           |   |       |                         |   |                                |                          |   |            |                                |   |        |                             |    |                  |                      |    |         |                          |
| 7                             | Purple Butterfly Tree, Kanchan  | <i>Bauhinia purpurea</i>         |             |                |   |           |                          |   |        |                       |   |        |                                  |   |          |                        |   |       |                           |   |       |                         |   |                                |                          |   |            |                                |   |        |                             |    |                  |                      |    |         |                          |
| 8                             | Copper pod  | <i>Peltophorum ferrugineum</i>   |             |                |   |           |                          |   |        |                       |   |        |                                  |   |          |                        |   |       |                           |   |       |                         |   |                                |                          |   |            |                                |   |        |                             |    |                  |                      |    |         |                          |
| 9                             | Tamhan  | <i>Lagestromia speciosa</i>      |             |                |   |           |                          |   |        |                       |   |        |                                  |   |          |                        |   |       |                           |   |       |                         |   |                                |                          |   |            |                                |   |        |                             |    |                  |                      |    |         |                          |
| 10                            | White Frangipani  | <i>Plumeria alba</i>             |             |                |   |           |                          |   |        |                       |   |        |                                  |   |          |                        |   |       |                           |   |       |                         |   |                                |                          |   |            |                                |   |        |                             |    |                  |                      |    |         |                          |
| 11                            | Ramphal   | <i>Annona reticulata</i>         |             |                |   |           |                          |   |        |                       |   |        |                                  |   |          |                        |   |       |                           |   |       |                         |   |                                |                          |   |            |                                |   |        |                             |    |                  |                      |    |         |                          |

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|  | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">12</td> <td style="width: 40%;">Chikku</td> <td style="width: 50%;">Manilkara zapota</td> </tr> </table> <p>Number and list of shrub species to be planted in the podium RG:</p> <ul style="list-style-type: none"> <li>• Number and list of trees species to be planted around the border of nalla / stream / pond (If any): Not applicable</li> <li>• Number, size, age and species of trees to be cut, trees to be transplanted:<br/>Trees to be retained: 8 Nos.<br/>Trees to be cut: 3 Nos.</li> <li>• NOC for the Tree cutting / transplantation/ compensatory plantation, if any : <i>In process</i></li> </ul> <p>Budgetary allocation (Capital cost and O&amp;M cost)<br/>Capital cost: Rs. 42.64 Lacs<br/>O &amp; M cost: Rs. 1.20 Lacs/annum</p>  | 12               | Chikku | Manilkara zapota |
| 12   | Chikku   | Manilkara zapota |        |                  |
| Energy   | <p>Power supply: +</p> <ul style="list-style-type: none"> <li>•Connected Load : 16219 KW</li> <li>•Maximum Demand :6363 KW</li> <li>•Source: Brihanmumbai Electric Supply and Transport (BEST)</li> </ul> <p>Energy saving by non-conventional method:<br/>20 KW solar powered lighting to be used for staircase lighting<br/>Use of T-5 Fittings (28 w) and Electronic ballasts instead of fluorescent light fittings (40w) and copper ballasts<br/>Use of use BEE five star certified appliance and air conditioners<br/>Use of BEE certified motors<br/>Use of group controls and variable speed drives<br/>Daylight based controls<br/>Use of CO sensors for demand based ventilation</p> <ul style="list-style-type: none"> <li>•Detail calculations &amp; % of saving:<br/>% Savings (Conventional energy Savings systems):22 %<br/>% Savings Through Renewable energy Savings systems:8%</li> <li>•Compliance of the ECBC guidelines: (Yes / No) (If yes then submit compliance in tabular form): Yes</li> <li>•Budgetary allocation (Capital cost and O&amp;M cost):<br/>Capital cost: Rs. 60.00 Lacs (Solar system)<br/>O &amp; M cost: Rs. 3.00 Lacs/annum (Solar system)</li> </ul> <p>DG Set:</p> <ul style="list-style-type: none"> <li>•Number and capacity of the DG sets to be used:<br/>For emergency back up during power failure<br/>Sale : 1 DG set of 1250 kVA<br/>Public parking facility: 1 DG set of 1250 kVA</li> <li>•Type of fuel used: Diesel</li> </ul> |                  |        |                  |
| Environmental Management Plan Budgetary Allocation | <p>Construction phase (with Break-up):</p> <ul style="list-style-type: none"> <li>•Capital cost</li> <li>•O &amp; M cost (Please ensure manpower and other details)</li> </ul>   |                  |        |                  |

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Total cost incurred for EMP

| Sr. No.    | Component                        | Description                                | Total Cost (Rs. In Lacs) |
|------------|----------------------------------|--|--------------------------|
| 1          | Air Environment                  | Dust suppression                           | 14.40                    |
|            |                                  | Air & Noise monitoring                     | 4.40                     |
|            |                                  | Sensors for air & noise quality monitoring | 10.00                    |
|            |                                  | Batching Plant monitoring                  | 1.0                      |
| 2          | Water Environment                | Drinking water analysis                    | 0.90                     |
| 3          | Land Environment                 | Site Sanitation                            | 5.00                     |
| 4          | Health & Hygiene Environment     | Disinfection- Pest Control                 | 6.00                     |
|            |                                  | Health Check up of workers                 | 90.00                    |
| 5          | Cost towards Disaster Management | --   | 2404.40                  |
| Total Cost |                                  |  | 2536.1                   |

Operation Phase (with Break-up) -

•Capital cost

•O&M cost (Please ensure manpower and other details)

| Sr. No. | Component                                       | Description                             | Capital cost Rs. In lacs.       | Operational and Maintenance cost (Rs. in lacs/yr) |       |
|---------|---|---|---------------------------------|---|-------|
| 1       | Air, Noise Environment & Biological Environment | Cost for Gardening                      | 42.64                           | 1.20  |       |
|         |   | Cost for Ambient air & Noise Monitoring | *No set up cost is involved     | 0.44  |       |
|         |   | Cost for DG Stack Exhaust Monitoring    | *No set up cost is involved     | 0.10  |       |
|         |   | Cost for air cleaning system            | 150.00                          | --  |       |
| 2       | Water Environment                               | Waste water treatment                   | Cost for sewage Treatment Plant | 68.44   | 16.37 |
|         |   |   | Cost for Waste water Monitoring | 18.00   | 1.09  |
|         | Water Conserv                                   | Cost for RWH tank                       | 11.20                           | 0.56  |       |

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|  |   | ation<br>(Rain<br>Water<br>Harvesti<br>ng<br>System) | Cost for<br>treatment unit<br>for rain water                                 | 9.00                              | 0.01   |
|  |   |  | Cost for<br>Rainwater<br>Monitoring  | *No set<br>up cost is<br>involved | 0.05   |
| 3  | Land Environment<br>(Solid Waste<br>Management)   |  | Cost for<br>Treatment of<br>biodegradable<br>garbage in<br>Eco<br>Biocompack | 42.00                             | 1.00   |
|  |   |  | Cost for<br>monitoring of<br>organic<br>manure                               | *No set<br>up cost is<br>involved | 0.08   |
| 4  | Energy Conservation   |  | Solar system<br>for external<br>lighting                                     | 60.00                             | 3.00   |
| 5  | Cost towards Disaster<br>Management   |  | --   | 3989.00                           | 163.20 |
| Total Cost   |   |  |  | 4390.28                           | 187.1  |
| <p>• Quantum and generation of Corpus fund and Commitment:<br/>Project proponent shall operate and maintain EMF for 5 years after giving possession and shall also generate corpus fund during 5 years for O &amp; M of Rs. 935.5 lacs (i.e. 187.1 lacs x 5 years)</p> <p>• Responsibility for further O &amp;M:<br/>Corpus fund shall be handed over to the society. While handing over Environmental Management Facilities M.O.U. shall be made with society to accept responsibility of further O &amp; M of EMF.</p> |   |  |  |                                   |        |
| Traffic Management   | <p>Nos. of the junction to the main road &amp; design of confluence: :<br/>Separate entry &amp; exit to Residential &amp; public parking facility<br/>Parking details:<br/>•Number and area of basement: 3 Basements<br/>•Number and area of podia: 5 podia<br/>•Total Parking area:<br/>Captive parking: 45,087.58 Sq. m.<br/>Public parking: 45,170.00 Sq. m. (To be handed over to MCGM including Parking and other services)<br/>•Area per car:<br/>Captive parking: 38 Sq. m.<br/>•2-Wheeler: 309 Nos.<br/>•4-Wheeler:<br/>Captive parking: 1188 Nos.<br/>Public parking: 658 Nos.<br/>•Public Transport: Nil<br/>Width of all internal roads (m): Minimum 6.0 m to 9.0 m.</p> |  |  |                                   |        |
| CRZ/RRZ clearance obtain, if any   | Not applicable  |  |  |                                   |        |
| Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas / inter-State  | Not Applicable  |  |  |                                   |        |

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| boundaries |  |
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3. The proposal has been considered by SEIAA in its 99<sup>th</sup> meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :

**General Conditions for Pre- construction phase:-**

- (i) This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.
- (ii) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2011.
- (iii) Vertical pits to be provided for better ventilation and lighting upto 3<sup>rd</sup> basement outside the building line.
- (iv) Fire Staircase and fire lift shall not to go to the basement and shall terminate on the ground floor only.
- (v) No services should be loaded and no electrical control room be provided in the basement.
- (vi) 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.
- (vii) PP has to abide by the conditions stipulated by SEAC& SEIAA.
- (viii) The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
- (ix) "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.
- (x) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

**General Conditions for Construction Phase-**

- (i) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets,



mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.

- (ii) 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.
- (iii) The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- (iv) Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- (v) Arrangement shall be made that waste water and storm water do not get mixed.
- (vi) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- (vii) 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.
- (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) 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.
- (x) Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
- (xi) Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
- (xii) 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.
- (xiii) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
- (xiv) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.



- (xv) 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.
- (xvi) Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).
- (xvii) Ready mixed concrete must be used in building construction.
- (xviii) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipment's etc. as per National Building Code including measures from lighting.
- (xix) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xx) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xxi) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
- (xxii) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
- (xxiii) Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
- (xxiv) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
- (xxv) 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.
- (xxvi) Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.

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- (xxvii) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
  - (xxviii) Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.
  - (xxix) Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
  - (xxx) Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
  - (xxxi) 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.
  - (xxxii) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
  - (xxxiii) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
  - (xxxiv) 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.
  - (xxxv) 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.
  - (xxxvi) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.

**General Conditions for Post- construction/operation phase-**

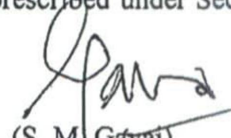
- (i) Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area

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for gardening before discharging it into sewer line. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.

- (ii) Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.
- (iii) Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
- (iv) A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
- (v) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
- (vi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (vii) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
- (viii) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://ec.maharashtra.gov.in>.
- (ix) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1<sup>st</sup> June & 1<sup>st</sup> December of each calendar year.
- (x) 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.
- (xi) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (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.
- (xii) 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.

- (xiii) The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
  5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.
  6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
  7. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 7 years as per MoEF&CC Notification dated 29<sup>th</sup> April, 2015.
  8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
  9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution ) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling ) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
  10. Any appeal against this environmental 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.



(S. M. Gavai)

Member Secretary, SEIAA

**Copy to:**

1. Shri. Johny Joseph, Chairman, IAS (Retd.), SEAC-II, office of the Lokayukta and New Up- Lokayukta, New Administrative Building, 1<sup>st</sup> floor, Madam Cama Road, Mumbai.
2. Additional Secretary, MOEF, 'MoEF& CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.

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3. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
4. IA- Division, Monitoring Cell, MoEF& CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
5. Managing Director, MSEDCL, MG Road, Fort, Mumbai
6. Collector, Mumbai.
7. Commissioner, Municipal Corporation Greater of Mumbai (MBMC)
8. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
9. Regional Office, MPCB, Mumbai.
10. Select file (TC-3)

(EC uploaded on

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