



## STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,  
Room No. 217, 2nd floor,  
Mantralaya, Annexe,  
Mumbai- 400 032.  
Date: April 23, 2019

To,  
**Mr. Jaikrishan Kokal**  
at Gat No. 16,17, 19

**Subject:** Environment Clearance for Proposed construction project by M/s Kokal Constructions

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-III, Maharashtra in its 81st 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 164th meetings.

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

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

|                                                                                                        |                                                      |
|--------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| 1.Name of Project                                                                                      | Solace                                               |
| 2.Type of institution                                                                                  | Private                                              |
| 3.Name of Project Proponent                                                                            | Mr. Jaikrishan Kokal                                 |
| 4.Name of Consultant                                                                                   | JV Analytical Services                               |
| 5.Type of project                                                                                      | Residential, Hostel, Sanitarium & Health Care Centre |
| 6.New project/expansion in existing project/modernization/diversification in existing project          | New Project                                          |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Not applicable                                       |
| 8.Location of the project                                                                              | Gat No. 16,17, 19                                    |
| 9.Taluka                                                                                               | Mulshi                                               |
| 10.Village                                                                                             | Bhukum                                               |
| Correspondence Name:                                                                                   | Mrs. Shalini Jaikrishan Kokal                        |
| Room Number:                                                                                           | Flat No.4, Plot No.4                                 |
| Floor:                                                                                                 | -                                                    |
| Building Name:                                                                                         | Pride Apartment                                      |
| Road/Street Name:                                                                                      | Baner Road                                           |
| Locality:                                                                                              | Aundh                                                |
| City:                                                                                                  | Pune                                                 |
| 11.Whether in Corporation / Municipal / other area                                                     | PMRDA                                                |
| 12.IOD/IOA/Concession/Plan Approval Number                                                             | Applied                                              |
|                                                                                                        | IOD/IOA/Concession/Plan Approval Number: -           |
|                                                                                                        | Approved Built-up Area: 34725.19                     |
| 13.Note on the initiated work (If applicable)                                                          | Not Applicable                                       |

**SEIAA Meeting No: 164 Meeting Date: April 12, 2019 ( SEIAA-STATEMENT-000000942 )**  
**SEIAA-MINUTES-0000001830**  
**SEIAA-EC-0000001461**

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**Shri. Anil Diggikar (Member Secretary SEIAA)**

|                                                                                    |                                                                                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 14.LOI / NOC / IOD from MHADA/<br>Other approvals (If applicable)                  | Not Applicable                                                                      |
| 15.Total Plot Area (sq. m.)                                                        | 22229.10 m2                                                                         |
| 16.Deductions                                                                      | 5331.85 m2                                                                          |
| 17.Net Plot area                                                                   | 16897.25 m2                                                                         |
| 18 (a).Proposed Built-up Area (FSI &<br>Non-FSI)                                   | FSI area (sq. m.): 24509.43 m2                                                      |
|                                                                                    | Non FSI area (sq. m.): 10215.76 m2                                                  |
|                                                                                    | Total BUA area (sq. m.): 34725.19                                                   |
| 18 (b).Approved Built up area as per<br>DCR                                        | Approved FSI area (sq. m.):                                                         |
|                                                                                    | Approved Non FSI area (sq. m.):                                                     |
|                                                                                    | Date of Approval:                                                                   |
| 19.Total ground coverage (m2)                                                      | 3780.58 m2                                                                          |
| 20.Ground-coverage Percentage (%)<br>(Note: Percentage of plot not open<br>to sky) | 17.00 % of Total plot area (22229.10 m2) and 22.37 % of Net plot area (16897.25 m2) |
| 21.Estimated cost of the project                                                   | 1710000000                                                                          |

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## 22. Production Details

| Serial Number | Product        | Existing (MT/M) | Proposed (MT/M) | Total (MT/M)   |
|---------------|----------------|-----------------|-----------------|----------------|
| 1             | Not applicable | Not applicable  | Not applicable  | Not applicable |

## 23. Total Water Requirement

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Dry season:                       | Source of water                                                                                                                                                                                                                                                                                                                                                                                                                                               | Bhukum Grampanchayat |
|                                   | Fresh water (CMD):                                                                                                                                                                                                                                                                                                                                                                                                                                            | 188.80(One Time)     |
|                                   | Recycled water - Flushing (CMD):                                                                                                                                                                                                                                                                                                                                                                                                                              | 56.16                |
|                                   | Recycled water - Gardening (CMD):                                                                                                                                                                                                                                                                                                                                                                                                                             | 10.00                |
|                                   | Swimming pool make up (Cum):                                                                                                                                                                                                                                                                                                                                                                                                                                  | 9.00                 |
|                                   | Total Water Requirement (CMD) :                                                                                                                                                                                                                                                                                                                                                                                                                               | 127.64               |
|                                   | Fire fighting - Underground water tank(CMD):                                                                                                                                                                                                                                                                                                                                                                                                                  | 150                  |
|                                   | Fire fighting - Overhead water tank(CMD):                                                                                                                                                                                                                                                                                                                                                                                                                     | 100                  |
|                                   | Excess treated water                                                                                                                                                                                                                                                                                                                                                                                                                                          | 89.98                |
| Wet season:                       | Source of water                                                                                                                                                                                                                                                                                                                                                                                                                                               | Bhukum Grampanchayat |
|                                   | Fresh water (CMD):                                                                                                                                                                                                                                                                                                                                                                                                                                            | 178.80 (One Time)    |
|                                   | Recycled water - Flushing (CMD):                                                                                                                                                                                                                                                                                                                                                                                                                              | 56.16                |
|                                   | Recycled water - Gardening (CMD):                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.00                 |
|                                   | Swimming pool make up (Cum):                                                                                                                                                                                                                                                                                                                                                                                                                                  | 9.00                 |
|                                   | Total Water Requirement (CMD) :                                                                                                                                                                                                                                                                                                                                                                                                                               | 127.64               |
|                                   | Fire fighting - Underground water tank(CMD):                                                                                                                                                                                                                                                                                                                                                                                                                  | 150                  |
|                                   | Fire fighting - Overhead water tank(CMD):                                                                                                                                                                                                                                                                                                                                                                                                                     | 100                  |
|                                   | Excess treated water                                                                                                                                                                                                                                                                                                                                                                                                                                          | 99.98                |
| Details of Swimming pool (If any) | Dimension of Swimming Pool:<br>Main Pool Size :15 M X 5 M X 1.2 M<br>Total water Requirement in KLD: 90000 Lit.<br>Water requirement in KLD: 9000 Lit/day<br>Details of Plant & Machinery used for treatment of Swimming pool water:<br>Details of quality to be achieved for swimming pool water and parameters to be monitored:<br>Budgetary allocation ( Capital cost and O & M cost):<br>Capital Cost : Rs 17.73 Lakh<br>O & M Cost : Rs. 0.18 Lakh /Year |                      |

| 24.Details of Total water consumed |                                          |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |                |                |                |                |
|------------------------------------|------------------------------------------|----------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|
| Particulars                        | Consumption (CMD)                        |                |                | Loss (CMD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                | Effluent (CMD) |                |                |
| Water Requirement                  | Existing                                 | Proposed       | Total          | Existing                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Proposed       | Total          | Existing       | Proposed       | Total          |
| Domestic                           | Not applicable                           | Not applicable | Not applicable | Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
|                                    |                                          |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |                |                |                |                |
| 25.Rain Water Harvesting (RWH)     | Level of the Ground water table:         |                |                | Summer Season - 19.00 m. to 24.00 m. BGL.(21.50 M. BGL Average) ,<br>Rainy Season - 8.20 m. to 10.80 BGL.(09.50 m. BGL Average), Winter Season - 13.60 m. to 17.40 m. BGL(15.50 M. BGL Average)                                                                                                                                                                                                                                                                                    |                |                |                |                |                |
|                                    | Size and no of RWH tank(s) and Quantity: |                |                | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                |                |                |                |
|                                    | Location of the RWH tank(s):             |                |                | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                |                |                |                |
|                                    | Quantity of recharge pits:               |                |                | 11 Nos.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                |                |                |                |
|                                    | Size of recharge pits :                  |                |                | 2.0 m. X 2.0 m. X 2.0 m. Depth with 60 m. Deep 6” Dia. Bore Well via 2 No. of de-siltation pits of 0.9 m. Dia. 1.0 m. Deep.                                                                                                                                                                                                                                                                                                                                                        |                |                |                |                |                |
|                                    | Budgetary allocation (Capital cost) :    |                |                | Rs 12.00 Lakh                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                |                |                |                |
|                                    | Budgetary allocation (O & M cost) :      |                |                | Rs.1.20 Lakh/Year                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |                |                |                |                |
|                                    | Details of UGT tanks if any :            |                |                | Residential (Senior Care Towers):<br>Domestic UG tank Capacity : 92.55 m3<br>Flushing UG tank Capacity : 31.80 m3<br>Fire UG tank Capacity : 150.00 m3<br><br>Hostel:<br>Domestic UG tank Capacity : 58.00 m3<br>Flushing UG tank Capacity : 31.22 m3<br>Fire UG tank Capacity : Included in residential<br><br>Sanitarium & Health Care Centre:<br>Domestic UG tank Capacity : 26.00 m3<br>Flushing UG tank Capacity : 8.80 m3<br>Fire UG tank Capacity : Included in residential |                |                |                |                |                |
| 26.Storm water drainage            | Natural water drainage pattern:          |                |                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |                |                |                |                |
|                                    | Quantity of storm water:                 |                |                | 23,983.78 m3 / Year i.e. 282.16 m3 / Day                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                |                |                |                |
|                                    | Size of SWD:                             |                |                | 450 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                |                |                |                |

|                                  |                                               |                                                                                            |
|----------------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>27.Sewage and Waste water</b> | <b>Sewage generation in KLD:</b>              | Senior Care Towers: 77.76 m3/day & Hostel + Sanitarium & Health Care Centre - 78.38 m3/day |
|                                  | <b>STP technology:</b>                        | MBBR                                                                                       |
|                                  | <b>Capacity of STP (CMD):</b>                 | 2 Nos.- 80 m3/day                                                                          |
|                                  | <b>Location &amp; area of the STP:</b>        | Area- 185 m2                                                                               |
|                                  | <b>Budgetary allocation (Capital cost):</b>   | STP 1(80 m3/day): Rs.30.00 Lakh, STP 2(80 m3/day): Rs.30.00 Lakh                           |
|                                  | <b>Budgetary allocation (O &amp; M cost):</b> | STP 1(80 m3/day): Rs 7.01 Lakh/Year, STP 2 80 m3/day): Rs 7.01 Lakh/Year                   |



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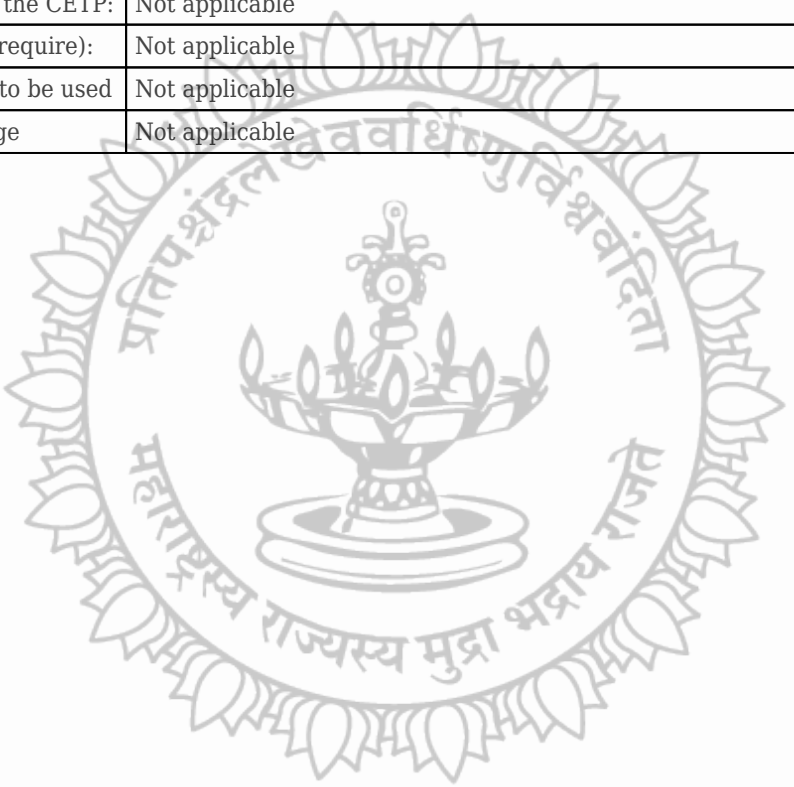
## 28.Solid waste Management

|                                                                         |                                                            |                                                                                                                  |
|-------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Waste generation in the Pre Construction and Construction phase:</b> | <b>Waste generation:</b>                                   | 30kg/day                                                                                                         |
|                                                                         | <b>Disposal of the construction waste debris:</b>          | Use for Leveling.                                                                                                |
| <b>Waste generation in the operation Phase:</b>                         | <b>Dry waste:</b>                                          | 128.00 kg/day(Senior Care Towers), 122.00 kg/day(Hostel + Sanitarium & Health Care Centre)                       |
|                                                                         | <b>Wet waste:</b>                                          | 192.00 kg/day(Senior Care Towers), 183.00 kg/day(Hostel + Sanitarium & Health Care Centre)                       |
|                                                                         | <b>Hazardous waste:</b>                                    | NA                                                                                                               |
|                                                                         | <b>Biomedical waste (If applicable):</b>                   | NA                                                                                                               |
|                                                                         | <b>STP Sludge (Dry sludge):</b>                            | 14.05 kg/day                                                                                                     |
|                                                                         | <b>Others if any:</b>                                      | -                                                                                                                |
| <b>Mode of Disposal of waste:</b>                                       | <b>Dry waste:</b>                                          | SWACH                                                                                                            |
|                                                                         | <b>Wet waste:</b>                                          | Organic waste converter                                                                                          |
|                                                                         | <b>Hazardous waste:</b>                                    | NA                                                                                                               |
|                                                                         | <b>Biomedical waste (If applicable):</b>                   | NA                                                                                                               |
|                                                                         | <b>STP Sludge (Dry sludge):</b>                            | Used as Manure after treatment in OWC                                                                            |
|                                                                         | <b>Others if any:</b>                                      | -                                                                                                                |
| <b>Area requirement:</b>                                                | <b>Location(s):</b>                                        | -                                                                                                                |
|                                                                         | <b>Area for the storage of waste &amp; other material:</b> | 40 m2(Senior Care Towers) & 50 m2 (Hostel + Sanitarium & Health Care Centre)                                     |
|                                                                         | <b>Area for machinery:</b>                                 | Included in other material area                                                                                  |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b>            | <b>Capital cost:</b>                                       | OWC 1(Senior Care Towers): Rs. 11.00 Lakh, OWC 2(Hostel + Sanitarium & Health Care Centre): Rs. 11.00 Lakh       |
|                                                                         | <b>O &amp; M cost:</b>                                     | OWC 1(Senior Care Towers): Rs 2.55 Lakh/year, OWC 2(Hostel + Sanitarium & Health Care Centre): Rs 2.53 Lakh/year |

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| 29.Effluent Charecterestics           |                |                |                                |                                 |                                     |
|---------------------------------------|----------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| Serial Number                         | Parameters     | Unit           | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
| 1                                     | Not applicable | Not applicable | Not applicable                 | Not applicable                  | Not applicable                      |
| Amount of effluent generation (CMD):  |                | Not applicable |                                |                                 |                                     |
| Capacity of the ETP:                  |                | Not applicable |                                |                                 |                                     |
| Amount of treated effluent recycled : |                | Not applicable |                                |                                 |                                     |
| Amount of water send to the CETP:     |                | Not applicable |                                |                                 |                                     |
| Membership of CETP (if require):      |                | Not applicable |                                |                                 |                                     |
| Note on ETP technology to be used     |                | Not applicable |                                |                                 |                                     |
| Disposal of the ETP sludge            |                | Not applicable |                                |                                 |                                     |


  
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| 30.Hazardous Waste Details |                |                |                |                |                |                |                    |
|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| Serial Number              | Description    | Cat            | UOM            | Existing       | Proposed       | Total          | Method of Disposal |
| 1                          | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable     |

| 31.Stacks emission Details |                         |                         |             |                              |                       |                        |
|----------------------------|-------------------------|-------------------------|-------------|------------------------------|-----------------------|------------------------|
| Serial Number              | Section & units         | Fuel Used with Quantity | Stack No.   | Height from ground level (m) | Internal diameter (m) | Temp. of Exhaust Gases |
| 1                          | DG Set- 82.5 KVA- 3Nos. | HSD-18.8 Liters/Hr.     | S-1,S-2,S-3 | 6                            | To be provided        | To be provided         |

| 32.Details of Fuel to be used |              |                |                 |                 |
|-------------------------------|--------------|----------------|-----------------|-----------------|
| Serial Number                 | Type of Fuel | Existing       | Proposed        | Total           |
| 1                             | HSD          | Not applicable | 18.8 Liters/Hr. | 18.8 Liters/Hr. |

|                                           |                                                          |
|-------------------------------------------|----------------------------------------------------------|
| 33.Source of Fuel                         | Bharat Petroleum Corporation Limited/Hindustan Petroleum |
| 34.Mode of Transportation of fuel to site | By Roadway                                               |

| 35.Energy          |                                                               |                                                                                     |
|--------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Power requirement: | Source of power supply :                                      | MSEDCL                                                                              |
|                    | During Construction Phase: (Demand Load)                      | 76.75KW                                                                             |
|                    | DG set as Power back-up during construction phase             | 82.5 KVA- 1 No.                                                                     |
|                    | During Operation phase (Connected load):                      | Senior Care Towers: 1068.59 KW, Hostel + Sanitarium & Health Care Centre: 746.00 KW |
|                    | During Operation phase (Demand load):                         | Senior Care Towers: 491.17 KW, Hostel + Sanitarium & Health Care Centre: 497.33 KW  |
|                    | Transformer:                                                  | 1 x 630 KVA, 1x 400 KVA & 1 x 315 KVA                                               |
|                    | DG set as Power back-up during operation phase:               | 3 No x 82.5 KVA                                                                     |
|                    | Fuel used:                                                    | HSD                                                                                 |
|                    | Details of high tension line passing through the plot if any: | No                                                                                  |

| Energy saving by non-conventional method:                                                                            |
|----------------------------------------------------------------------------------------------------------------------|
| 1. Energy efficient LED fixtures<br>2. Automatic Timer operation<br>3. Solar Water Heater<br>4. Low Loss Transformer |

| 36.Detail calculations & % of saving: |
|---------------------------------------|
|---------------------------------------|



| Serial Number | Energy Conservation Measures   | Saving %              |
|---------------|--------------------------------|-----------------------|
| 1             | Energy efficient LED fixtures: | 45066.60 KWH / Annum  |
| 2             | Automatic Timer operation      | 23134.92 KWH / Annum  |
| 3             | Solar Water Heater             | 120640.00 KWH / Annum |
| 4             | Low Loss Transformer           | 2014.80 KWH / Annum   |

### 37.Details of pollution control Systems

| Source      | Existing pollution control system | Proposed to be installed                                                                                                                             |
|-------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Air         | -                                 | Green belt will be provided.                                                                                                                         |
| Water       | -                                 | STP will be installed & excess treated water used for flushing & gardening                                                                           |
| Noise       | -                                 | Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed. |
| Solid Waste | -                                 | Wet Waste will be treated in OWC. STP sludge will be Used as Manure after treatment in OWC Dry Waste will be given to SWACH                          |

|                                                   |               |                    |
|---------------------------------------------------|---------------|--------------------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 116.40 Lakh    |
|                                                   | O & M cost:   | Rs. 4.40 Lakh/Year |

### 38.Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

| Serial Number | Attributes        | Parameter                                                                                                                                 | Total Cost per annum (Rs. In Lacs) |
|---------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 1             | Air Environment   | Water for Dust Suppression, Air & Noise Monitoring                                                                                        | 0.50 Lakh/Year                     |
| 2             | Water Environment | Tanker Water for Construction, Water Monitoring                                                                                           | 0.50 Lakh/Year                     |
| 3             | Land Environment  | Site Sanitation -Mobile toilets                                                                                                           | 0.50 Lakh/Year                     |
| 4             | Socio-economic    | Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Food for children, Personal Protective Equipment | 1.00 Lakh/Year                     |

#### b) Operation Phase (with Break-up):

| Serial Number | Component                  | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|----------------------------|-------------|--------------------------|---------------------------------------------------|
| 1             | STP 1                      | 80 m3/day   | 30.00                    | 7.01                                              |
| 2             | STP 2                      | 80 m3/day   | 30.00                    | 7.01                                              |
| 3             | RWH                        | -           | 12.00                    | 1.20                                              |
| 4             | MSW 1                      | 250 Kg/day  | 11.00                    | 2.55                                              |
| 5             | MSW 2                      | 250 Kg/day  | 11.00                    | 2.53                                              |
| 6             | Energy System              | -           | 116.40                   | 4.40                                              |
| 7             | Solar water Heating system | -           | 39.00                    | 0.78                                              |

|    |                      |   |        |       |
|----|----------------------|---|--------|-------|
| 8  | Landscaping          | - | 457.28 | 20.00 |
| 9  | Swimming Pool        | - | 17.17  | 0.18  |
| 10 | Safety Equipment     | - | 10.00  | 2.00  |
| 11 | Post EC Monitoring   | - | -      | 2.50  |
| 12 | Dry Waste Management | - | -      | 1.15  |

### 39.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

| Description    | Status         | Location       | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--------------------------------------------------------|---------------------------|------------------|-------------------------|
| Not applicable | Not applicable | Not applicable | Not applicable         | Not applicable                                         | Not applicable            | Not applicable   | Not applicable          |

### 40.Any Other Information

No Information Available

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|  |                                                                                                                |      |
|--|----------------------------------------------------------------------------------------------------------------|------|
|  | <b>CRZ/ RRZ clearance obtain, if any:</b>                                                                      | NA   |
|  | <b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b> | NA   |
|  | <b>Category as per schedule of EIA Notification sheet</b>                                                      | 8(a) |
|  | <b>Court cases pending if any</b>                                                                              | No   |
|  | <b>Other Relevant Informations</b>                                                                             | -    |
|  | <b>Have you previously submitted Application online on MOEF Website.</b>                                       | No   |
|  | <b>Date of online submission</b>                                                                               | -    |

**3. The proposal has been considered by SEIAA in its 164th 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:**

**Specific Conditions:**

|            |                                                                                                                                                                                        |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>I</b>   | Nil.                                                                                                                                                                                   |
| <b>II</b>  | 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.                                          |
| <b>III</b> | PP to submit CER plan to Municipal Commissioner, and submit the Acknowledgement copy to submit to Member Secretary, SEIAA.                                                             |
| <b>IV</b>  | SEIAA decided to grant EC for: FSI: 18336.41 m2, Non FSI: 7143.09 m2 & Total BUA:25479.50 m2. (IOD no. BMU/Mouze-Bhukum/gat No 16 ,17,19P /CR No.1048/16-17 Approval Date- 30.09.2016) |

**General Conditions:**

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>I</b>    | E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.                                                                                                                                                                                                                                                                                                                                       |
| <b>II</b>   | 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.                                                                                                                                                                          |
| <b>III</b>  | 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.                                                                         |
| <b>IV</b>   | PP has to abide by the conditions stipulated by SEAC& SEIAA.                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>V</b>    | 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. |
| <b>VI</b>   | 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.                                                                                                                                                                                                      |
| <b>VII</b>  | All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.                                                                                                                                                                                                                                                                                  |
| <b>VIII</b> | Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.                                                                                                                                                                               |

|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IX     | The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| X      | Disposal of muck during construction phase should not create any adverse effect on the 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.                                                                                                                                                                                                                                                                                                                                                                                            |
| XI     | Arrangement shall be made that waste water and storm water do not get mixed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| XII    | All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| XIII   | Additional soil for 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| XIV    | Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| XV     | Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| XVI    | Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| XVII   | Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| XVIII  | The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| XIX    | The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| XX     | Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| XXI    | Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.                                                                                                                                                                                                                                                                                                 |
| XXII   | Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).                                                                                                                                                                                                                                                                                                                                                                                     |
| XXIII  | Ready mixed concrete must be used in building construction.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| XXIV   | Storm water control and its re-use as per CGWB and BIS standards for various applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| XXV    | Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| XXVI   | The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| XXVII  | The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP. |
| XXVIII | Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| XXIX   | Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| XXX    | Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| XXXI   | Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| XXXII  | Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



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| XXXIII  | Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy. |
| XXXIV   | Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.                                                                                                                                                                            |
| XXXV    | Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.                                                                                                                                                                                                                                                                                                                                                                                                                |
| XXXVI   | Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| XXXVII  | Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.                                                                                                                                                                                                                                                                                                                                                                              |
| XXXVIII | The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| XXXIX   | Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| XL      | Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| XLI     | Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| XLII    | Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.                                                                                                            |
| XLIII   | Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| XLIV    | Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| XLV     | A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| XLVI    | In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| XLVII   | A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| XLVIII  | Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.                                                                                                                                                                                                                                                                                                    |
| XLIX    | The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a> .                                                                                                                                                  |
| L       | Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| LI      | A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.                                                                                                                                                                                                                                                                                                                                                           |

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|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LII</b>  | 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. |
| <b>LIII</b> | 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.                                                                                                                                                                                                                                                                                                           |
| <b>LIV</b>  | 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.                                                                                                                                               |



# Government of Maharashtra



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

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th 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 Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

  
Shri. Anil Diggikar (Member Secretary SEIAA)

**Copy to:**

1. SECRETARY MOEF & CC
2. IA- DIVISION MOEF & CC
3. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
4. REGIONAL OFFICE MOEF & CC NAGPUR
5. MUNICIPAL COMMISSIONER PUNE
6. MUNICIPAL COMMISSIONER SATARA
7. REGIONAL OFFICE MPCB PUNE
8. REGIONAL OFFICE MIDC PUNE
9. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
10. COLLECTOR OFFICE PUNE
11. COLLECTOR OFFICE SATARA
12. COLLECTOR OFFICE SOLAPUR