

## 64 th Meeting of SEAC-3

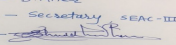
**SEAC Meeting number: 64 Meeting Date March 19, 2018**

**Subject:** Environment Clearance for Proposed Residential & Commercial project

**Is a Violation Case:** No

|   |   |
|---|---|
| <b>1.Name of Project</b>  | Palladio  |
| <b>2.Type of institution</b>  | Green Building  |
| <b>3.Name of Project Proponent</b>  | Mr. Sarvesh Vilas Javdekar  |
| <b>4.Name of Consultant</b>   | Green Circle Inc.   |
| <b>5.Type of project</b>  | Housing project   |
| <b>6.New project/expansion in existing project/modernization/diversification in existing project</b>          | New project   |
| <b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b> | Not applicable  |
| <b>8.Location of the project</b>  | S. No. 84/1A/1, 84/1A/2, village Tathawade, Tal. Mulshi, Dist. Pune, Maharashtra, Pin code-411033   |
| <b>9.Taluka</b>   | Mulshi  |
| <b>10.Village</b>   | Tathawade   |
| <b>Correspondence Name:</b>   | Mr. Sarvesh Javdekar, M/s Vilas Javdekar Eco Developers Pvt. Ltd.   |
| <b>Room Number:</b>   | 306   |
| <b>Floor:</b>   | 3rd floor   |
| <b>Building Name:</b>   | Siddharth Towers  |
| <b>Road/Street Name:</b>  | Sangam Press Road   |
| <b>Locality:</b>  | Near Karishma Housing Society   |
| <b>City:</b>  | Pune  |
| <b>11.Area of the project</b>   | Pimpri Chinchwad Municipal Corporation  |
| <b>12.IOD/IOA/Concession/Plan Approval Number</b>   | IOD obtained  |
|   | <b>IOD/IOA/Concession/Plan Approval Number:</b> BP/Env./Tathawade/04/2017 dated 17/11/2017  |
|   | <b>Approved Built-up Area:</b> 60050.18   |
| <b>13.Note on the initiated work (If applicable)</b>  | We had earlier applied for Environment Clearance to SEAC III. But as per MoM 2nd SEAC meeting dated 12.12.2013, the case was closed since the total BUA is below 20,000 sq.m . Currently 3 residential buildings (B,C & D) are constructed on site covering total BUA of 19326.93 sq.m. The project has received Final GRIHA 4 star certification . |
| <b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>   | Not Applicable  |
| <b>15.Total Plot Area (sq. m.)</b>  | 16000   |
| <b>16.Deductions</b>  | 1441.25   |
| <b>17.Net Plot area</b>   | 14558.75  |
| <b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>  | <b>a) FSI area (sq. m.):</b> 27743.94   |
|   | <b>b) Non FSI area (sq. m.):</b> 32306.24   |
|   | <b>c) Total BUA area (sq. m.):</b> 60050.18   |
| <b>18 (b).Approved Built up area as per DCR</b>   | <b>Approved FSI area (sq. m.):</b>  |
|   | <b>Approved Non FSI area (sq. m.):</b>  |
|   | <b>Date of Approval:</b>  |
| <b>19.Total ground coverage (m2)</b>  | 2686.90   |
| <b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>                           | 18.45   |
| <b>21.Estimated cost of the project</b>   | 1300000000  |

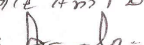
## 22.Number of buildings & its configuration

Name - S.D.Aher  
Designation - Secretary SEAC-III  
Sign - 

**S.D.Aher (Secretary SEAC-III)**

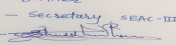
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Name: K. Anil Kale  
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**Shri. Anil Kale (Chairman SEAC-III)**

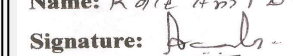
| Serial number  | Building Name & number | Number of floors   | Height of the building (Mtrs) |                |
|--|------------------------|--|-------------------------------|----------------|
| 1  | Building A             | P+12   | 39.50                         |                |
| 2  | Building B             | P+12   | 37.70                         |                |
| 3  | Building C             | P+12   | 37.70                         |                |
| 4  | Building D             | P+12   | 37.70                         |                |
| 5  | Building E             | B+G.LP+G.UP+21   | 69.85                         |                |
| 6  | EWS building           | P+8  | 30.65                         |                |
| 7  | Commercial building    | B+G+M  | 7.10                          |                |
| <b>23.Number of tenants and shops</b>  |                        | 375 tenements & 15 shops                                 |                               |                |
| <b>24.Number of expected residents / users</b>   |                        | 1875 residents & 212 commercial users = Total 2087 users |                               |                |
| <b>25.Tenant density per hectare</b>   |                        | 286.20   |                               |                |
| <b>26.Height of the building(s)</b>  |                        |  |                               |                |
| <b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>                                 |                        | 24 m. wide DP road                                       |                               |                |
| <b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b> |                        | 9.0 m  |                               |                |
| <b>29.Existing structure (s) if any</b>  |                        | Buildings B, C, D & their services                       |                               |                |
| <b>30.Details of the demolition with disposal (If applicable)</b>  |                        | Not Applicable   |                               |                |
| <b>31.Production Details</b>   |                        |  |                               |                |
| Serial Number  | Product                | Existing (MT/M)  | Proposed (MT/M)               | Total (MT/M)   |
| 1  | Not applicable         | Not applicable   | Not applicable                | Not applicable |
| <b>32.Total Water Requirement</b>  |                        |  |                               |                |

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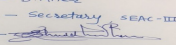
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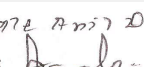

| Dry season:                               | Source of water   | Pimpri-Chinchwad Municipal Corporation (PCMC) |       |            |          |       |                |          |       |
|---|---|---|-------|------------|----------|-------|----------------|----------|-------|
|   | Fresh water (CMD):  | 173   |       |            |          |       |                |          |       |
|   | Recycled water - Flushing (CMD):  | 90  |       |            |          |       |                |          |       |
|   | Recycled water - Gardening (CMD):   | 15  |       |            |          |       |                |          |       |
|   | Swimming pool make up (Cum):  | 3   |       |            |          |       |                |          |       |
|   | Total Water Requirement (CMD) :   | 281   |       |            |          |       |                |          |       |
|   | Fire fighting - Underground water tank(CMD):  | 300   |       |            |          |       |                |          |       |
|   | Fire fighting - Overhead water tank(CMD):   | 130   |       |            |          |       |                |          |       |
|   | Excess treated water  | 132   |       |            |          |       |                |          |       |
| Wet season:                               | Source of water   | Pimpri-Chinchwad Municipal Corporation (PCMC) |       |            |          |       |                |          |       |
|   | Fresh water (CMD):  | 173   |       |            |          |       |                |          |       |
|   | Recycled water - Flushing (CMD):  | 90  |       |            |          |       |                |          |       |
|   | Recycled water - Gardening (CMD):   | 0   |       |            |          |       |                |          |       |
|   | Swimming pool make up (Cum):  | 3   |       |            |          |       |                |          |       |
|   | Total Water Requirement (CMD) :   | 266   |       |            |          |       |                |          |       |
|   | Fire fighting - Underground water tank(CMD):  | 300   |       |            |          |       |                |          |       |
|   | Fire fighting - Overhead water tank(CMD):   | 130   |       |            |          |       |                |          |       |
|   | Excess treated water  | 147   |       |            |          |       |                |          |       |
| Details of Swimming pool (If any)         | Size 7.10x13.30x1.20m., Total water requirement= 113 m3<br>Daily make-up water requirement @3% losses= 3 m3 |   |       |            |          |       |                |          |       |
| <b>33.Details of Total water consumed</b> |   |   |       |            |          |       |                |          |       |
| Particulars                               | Consumption (CMD)   |   |       | Loss (CMD) |          |       | Effluent (CMD) |          |       |
|   | Existing  | Proposed                                      | Total | Existing   | Proposed | Total | Existing       | Proposed | Total |
| Domestic                                  | 93  | 188   | 281   | 0          | 3        | 3     | 84             | 152.4    | 236.4 |
| Gardening                                 | 7   | 8   | 15    | 0          | 0        | 0     | 0              | 0        | 0     |
| Fresh water requirement                   | 62  | 111   | 173   | 0          | 0        | 0     | 0              | 0        | 0     |

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**Shri. Anil Kale (Chairman SEAC-III)**

|   |   |   |
|---|---|---|
| <b>34.Rain Water Harvesting (RWH)</b>   | <b>Level of the Ground water table:</b>           | Pre Monsoon 7-8 m BGL, Post Monsoon 3-4 m BGL   |
|   | <b>Size and no of RWH tank(s) and Quantity:</b>   | 01 nos. tank- 270 cu.m.   |
|   | <b>Location of the RWH tank(s):</b>               | South-east side of plot   |
|   | <b>Quantity of recharge pits:</b>                 | 4 Nos.  |
|   | <b>Size of recharge pits :</b>                    | 5 X 3 X 2 m.  |
|   | <b>Budgetary allocation (Capital cost) :</b>      | 1000000   |
|   | <b>Budgetary allocation (O &amp; M cost) :</b>    | 100000  |
|   | <b>Details of UGT tanks if any :</b>              | Tank 1= For Buildings B & C= 93.15 cu.m.,<br>Tank 2= For Buildings A, D & Fire= 294.1 cu.m.<br>Tank 3= For Buildings E, commercial & EWS= 480.22 cu.m.  |
| <b>35.Storm water drainage</b>  | <b>Natural water drainage pattern:</b>            | From West to East   |
|   | <b>Quantity of storm water:</b>                   | 629.2 cu.m./hr  |
|   | <b>Size of SWD:</b>                               | 450 mm.   |
| <b>Sewage and Waste water</b>   | <b>Sewage generation in KLD:</b>                  | 236.40  |
|   | <b>STP technology:</b>                            | MBBR  |
|   | <b>Capacity of STP (CMD):</b>                     | 02 Nos. STP- 240 cu.m./day + 30 cu.m./day   |
|   | <b>Location &amp; area of the STP:</b>            | South-east side of plot, area 195.00 sq.m.  |
|   | <b>Budgetary allocation (Capital cost):</b>       | 9000000   |
|   | <b>Budgetary allocation (O &amp; M cost):</b>     | 1200000   |
| <b>36.Solid waste Management</b>  |   |   |
| <b>Waste generation in the Pre Construction and Construction phase:</b>   | <b>Waste generation:</b>                          | Construction waste will be generated from the building, mainly comprising of waste concrete, excavated soil, broken bricks, waste plaster, metallic scrap etc. Debris chute will be used to channelize the waste from the building to the point of pick up on ground. |
|   | <b>Disposal of the construction waste debris:</b> | Construction debris will be used for base preparation of road and for site leveling. Dry waste will be handed over to PCMC Ghantagaadi.   |
| <b>Waste generation in the operation Phase:</b>   | <b>Dry waste:</b>                                 | 439 kg/day  |
|   | <b>Wet waste:</b>                                 | 606 kg/day  |
|   | <b>Hazardous waste:</b>                           | Not Applicable  |
|   | <b>Biomedical waste (If applicable):</b>          | Not Applicable  |
|   | <b>STP Sludge (Dry sludge):</b>                   | 5.17 cu.m./day  |
|   | <b>Others if any:</b>                             | 52.8 kg/day dry sludge  |
| Name - S.D.Aher<br>Designation - Secretary SEAC-III<br>Sign  |   | Name: K. Anil Kale<br>Signature:   |
| <b>S.D.Aher (Secretary SEAC-III)</b>  |   | <b>SEAC Meeting No: 64 Meeting Date: March 19, 2018</b>   |
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|   |   | <b>Shri. Anil Kale (Chairman SEAC-III)</b>  |

|  |  |                                |
|--|--|--------------------------------|
| <b>Mode of Disposal of waste:</b>                            | <b>Dry waste:</b>  | PCMC Ghantagaadi/ SWACH        |
|  | <b>Wet waste:</b>  | Organic Waste Composter        |
|  | <b>Hazardous waste:</b>                                    | Not Applicable                 |
|  | <b>Biomedical waste (If applicable):</b>                   | Not Applicable                 |
|  | <b>STP Sludge (Dry sludge):</b>                            | Used as Manure for landscaping |
|  | <b>Others if any:</b>                                      | Not Applicable                 |
| <b>Area requirement:</b>                                     | <b>Location(s):</b>  | South-east side of plot        |
|  | <b>Area for the storage of waste &amp; other material:</b> | 15 sq.m.                       |
|  | <b>Area for machinery:</b>                                 | 42.31 sq.m.                    |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>                                       | 2000000                        |
|  | <b>O &amp; M cost:</b>                                     | 300000                         |

### 37. Effluent Characteristics

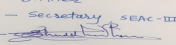
| Serial Number                         | Parameters          | Unit           | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------------------------------|---------------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| 1                                     | pH                  | NA             | 7.6                            | 7.5                             | 5.5-9.0                             |
| 2                                     | Suspended Solids    | mg/l           | 200                            | 20                              | <50                                 |
| 3                                     | 3 days BOD @ 27degC | mg/l           | 250                            | 10                              | <30                                 |
| 4                                     | COD                 | mg/l           | 300                            | 75                              | <100                                |
| 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 |                                |                                 |                                     |

### 38. 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     |

### 39. Stacks emission Details

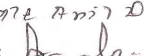
| Serial Number | Section & units             | Fuel Used with Quantity | Stack No. | Height from ground level (m) | Internal diameter (m) | Temp. of Exhaust Gases |
|---------------|-----------------------------|-------------------------|-----------|------------------------------|-----------------------|------------------------|
| 1             | Building A- 62.5 KVA DG set | HSD                     | 1         | 40                           | 0.1                   | 450 deg C              |
| 2             | Building B- 62.5 KVA DG set | HSD                     | 2         | 40                           | 0.1                   | 450 deg C              |
| 3             | Building C- 62.5 KVA DG set | HSD                     | 3         | 40                           | 0.1                   | 450 deg C              |

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|   |  |     |   |    |       |           |
|---|--|-----|---|----|-------|-----------|
| 4 | Building D- 62.5 KVA DG set                          | HSD | 4 | 40 | 0.1   | 450 deg C |
| 5 | Building E- 180 KVA DG set                           | HSD | 5 | 70 | 0.125 | 450 deg C |
| 6 | Commercial Building- 100 KVA DG set                  | HSD | 6 | 3  | 0.1   | 450 deg C |
| 7 | Common Area- STP, street lights etc.- 160 KVA DG set | HSD | 7 | 3  | 0.125 | 450 deg C |

#### 40.Details of Fuel to be used

| Serial Number                             | Type of Fuel   | Existing       | Proposed       | Total          |
|---|----------------|----------------|----------------|----------------|
| 1   | Not Applicable | Not applicable | Not applicable | Not applicable |
| 41.Source of Fuel                         |                | Not applicable |                |                |
| 42.Mode of Transportation of fuel to site |                | Not applicable |                |                |

|                                  |  |  |
|----------------------------------|--|--|
| <b>43.Green Belt Development</b> | <b>Total RG area :</b>                         | 1456   |
|                                  | <b>No of trees to be cut :</b>                 | 0  |
|                                  | <b>Number of trees to be planted :</b>         | 207  |
|                                  | <b>List of proposed native trees :</b>         | 207  |
|                                  | <b>Timeline for completion of plantation :</b> | 151 trees already planted & balance 56 trees will be planted within next 3 years |

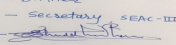
#### 44.Number and list of trees species to be planted in the ground

| Serial Number | Name of the plant  | Common Name     | Quantity | Characteristics & ecological importance             |
|---------------|--------------------|-----------------|----------|---|
| 1             | Bahunia Purpurea   | Kanchan         | 6        | Medicinal & drought tolerant                        |
| 2             | Ficus Benjamina    | Nandarukh       | 13       | Tall & dense foliage with good shade                |
| 3             | Wodyetia bifurcata | Foxtail Palm    | 12       | Avenue plant  |
| 4             | Ficus Variegated   | Ficus Variegata | 2        | Tall & dense foliage                                |
| 5             | Grevillia Robusta  | Silver Oak      | 3        | Shady plant, used as support for creepers           |
| 6             | Azadirachta Indica | Neem            | 4        | Medicinal   |
| 7             | Plumeria Alba      | Chapha          | 13       | Medicinal, fragrant, bird attracting & fast growing |
| 8             | Callistemon        | Bottle brush    | 3        | For hot & dry areas, attractive & scented plant     |

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

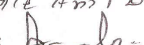
| Serial Number | Name                   | C/C Distance | Area m2 |
|---------------|------------------------|--------------|---------|
| 1             | Spider Lily            | 0.23         | 18.32   |
| 2             | Plumeria Alba          | 1.6          | 7.14    |
| 3             | Nyctanthes Arborescens | 1            | 10.5    |

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|   |               |      |    |
|---|---------------|------|----|
| 4 | Foxtail Palm  | 2    | 20 |
| 5 | Golden Bamboo | 0.45 | 60 |
| 6 | Hibiscus      | 0.3  | 24 |

### 47. Energy

|                           |  |   |
|---------------------------|--|---|
| <b>Power requirement:</b> | <b>Source of power supply :</b>                                      | MSEDCL  |
|                           | <b>During Construction Phase: (Demand Load)</b>                      | 78.25 KW  |
|                           | <b>DG set as Power back-up during construction phase</b>             | 01 nos. X 125 KVA   |
|                           | <b>During Operation phase (Connected load):</b>                      | 2326.09 KW  |
|                           | <b>During Operation phase (Demand load):</b>                         | 1067.54 KW  |
|                           | <b>Transformer:</b>  | 02 nos. X 630 KVA, 01 nos. X 315 KVA  |
|                           | <b>DG set as Power back-up during operation phase:</b>               | 04 nos. X 62.5 KVA, 01 nos. X 180 KVA, 01 nos. X 100 KVA, 01 nos. X 160 KVA |
|                           | <b>Fuel used:</b>  | HSD   |
|                           | <b>Details of high tension line passing through the plot if any:</b> | Not Applicable  |

### 48. Energy saving by non-conventional method:

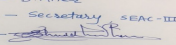
Solar Water Heating Systems @ 125 litres/apartment,  
Solar photo voltaic generation panels- 25 KW capacity,  
LED lights for common areas,  
Timer switches for street lights,  
Skylights for podium parking,  
Energy efficient pumps

### 49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures  | Saving %                  |
|---------------|---|---------------------------|
| 1             | Energy Saving using Energy efficient LED fixtures Against Conventional CFL/T8 fixture with Electronic Ballast for Common Area | 44427.8 kWh/annum= 37.77% |
| 2             | Energy Saving using Automatic Timer operation Against Manual operation for External & Common Area Lighting                    | 7689.33 kWh/annum= 33.33% |
| 3             | Energy Saving using Solar Water Heater Against Electrical water Heater  | 193440 kWh/annum= 74.29%  |
| 4             | Energy saving using Low Loss Transformer Against Conventional Transformer   | 11475.6 kWh/annum= 6.08%  |

### 50. Details of pollution control Systems

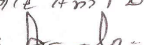
| Source | Existing pollution control system | Proposed to be installed |
|--------|-----------------------------------|--------------------------|
| Dust   | Not applicable                    | Water sprinklers         |
| Sewage | Not applicable                    | Sewage Treatment Plant   |

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|  |                        |                         |
|--|------------------------|-------------------------|
| Solid waste  | Not applicable         | Organic Waste Composter |
| Vehicular  | Not applicable         | PUC check               |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>   | 7800000                 |
|  | <b>O &amp; M cost:</b> | 400000                  |

## 51.Environmental Management plan Budgetary Allocation

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

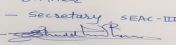
| Serial Number | Attributes                             | Parameter  | Total Cost per annum (Rs. In Lacs) |
|---------------|--|--|------------------------------------|
| 1             | Water for dust suppression             | Sprinklers system  | 200000                             |
| 2             | Site sanitation, disinfection & safety | Mobile toilets, fumigation, Personal protective equipments | 1000000                            |
| 3             | Environment monitoring                 | Air, noise, water & soil                                   | 200000                             |
| 4             | Health checkup                         | Hospital   | 200000                             |
| 5             | Environment Management Cell            | Formation of cell  | 400000                             |

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

| Serial Number | Component                   | Description  | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|-----------------------------|--|--------------------------|---|
| 1             | Rain Water Harvesting       | 04 nos. of recharge pits & Rain water harvesting tank of 270 cu.m. | 1000000                  | 100000  |
| 2             | Sewage Treatment Plant      | 240 KLD + 30 KLD STP   | 9000000                  | 1200000   |
| 3             | Organic Waste Composter     | 606 kg/ day  | 2000000                  | 300000  |
| 4             | Tree plantation             | 207 nos. of trees  | 1000000                  | 300000  |
| 5             | Energy Conservation         | Solar water heating systems, Solar photo voltaic generation        | 7800000                  | 400000  |
| 6             | Environment Management Cell | Comprising of society & technical staff                            | 0                        | 100000  |
| 7             | Basement ventilation        | Exhaust fans   | 5000000                  | 500000  |
| 8             | Environment Monitoring      | Air, noise, water & soil   | 0                        | 40  |

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

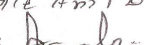
| Description    | Status         | Location       | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|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

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## 52.Any Other Information

No Information Available

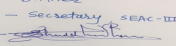
## 53.Traffic Management

|                         |  |   |
|-------------------------|--|---|
|                         | <b>Nos. of the junction to the main road &amp; design of confluence:</b>                                       | The project is located on 24.0 m. wide D.P. road & entrance gate is planned in such a way that vehicular movement on main road will not be affected |
| <b>Parking details:</b> | <b>Number and area of basement:</b>  | 01 nos.- 2323 sq.m.   |
|                         | <b>Number and area of podia:</b>   | 02 nos.- 3463.69 sq.m.  |
|                         | <b>Total Parking area:</b>   | 9694 sq.m.  |
|                         | <b>Area per car:</b>   | 12.5  |
|                         | <b>Area per car:</b>   | 12.5  |
|                         | <b>Number of 2-Wheelers as approved by competent authority:</b>  | 798   |
|                         | <b>Number of 4-Wheelers as approved by competent authority:</b>  | 204   |
|                         | <b>Public Transport:</b>   | PMPML bus service   |
|                         | <b>Width of all Internal roads (m):</b>  | 6   |
|                         | <b>CRZ/ RRZ clearance obtain, if any:</b>  | Not Applicable  |
|                         | <b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b> | Not Applicable  |
|                         | <b>Category as per schedule of EIA Notification sheet</b>  | 8(b)  |
|                         | <b>Court cases pending if any</b>  | Not Applicable  |
|                         | <b>Other Relevant Informations</b>   | The project has obtained Final GRIHA 4-star certification & is a certified Green Building Project   |
|                         | <b>Have you previously submitted Application online on MOEF Website.</b>                                       | No  |
|                         | <b>Date of online submission</b>   | -   |

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

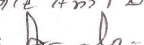
## Brief information of the project by SEAC

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Environment Clearance for Proposed Residential & Commercial project at S. No. 84/1A/1, 84/1A/2, village Tathawade, Tal. Mulshi, Dist. Pune, Maharashtra, Pin code-411033. by **M/s. Palladio.**

PP submitted their application for prior Environmental clearance for total plot area of 16000 Sq. Mtrs, BUA of 60050.18 Sq. Mtrs and FSI area of 27743.94 Sq. Mtrs. PP proposes to construct 5 nos. of residential buildings, and 1 building for EWS.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

### DECISION OF SEAC

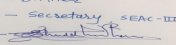
**SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the following conditions.**

**Specific Conditions by SEAC:**

- 1) PP to upload site specific EMP/DMP On website.
- 2) PP to explore to increase tree species and plant more local species trees.
- 3) PP to provide separate OWC for EWS building.
- 4) PP to upload NOC/undertaking for sewer line connectivity.

### FINAL RECOMMENDATION

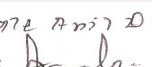
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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## 64 th Meeting of SEAC-3

**SEAC Meeting number: 64 Meeting Date March 19, 2018**

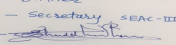
**Subject:** Environment Clearance for Construction Project by M/s.MANTRA INNFRRA DEVELOPER LLP

**Is a Violation Case:** No

|  |   |
|--|---|
| 1.Name of Project  | Mantra Marigold   |
| 2.Type of institution  | Private   |
| 3.Name of Project Proponent  | Mr Sailesh Agarwal  |
| 4.Name of Consultant   | M/s. Ultra-Tech (Environmental Consultancy & Laboratory)                              |
| 5.Type of project  | Residential Development   |
| 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  | Sr.no.10/4/2 ,10/2/5,10/4/4,10/4/5a ,village Yewlewadi ,taluka haveli , Dist. - Pune. |
| 9.Taluka   | Haveli  |
| 10.Village   | Yewlewadi   |
| 11.Area of the project   | PMC, Pune   |
| 12.IOD/IOA/Concession/Plan Approval Number   | Applied   |
|  | <b>IOD/IOA/Concession/Plan Approval Number:</b> Applied                               |
|  | <b>Approved Built-up Area:</b> 50172.12   |
| 13.Note on the initiated work (If applicable)  | NA  |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)   | NA  |
| 15.Total Plot Area (sq. m.)  | 17050.00 m <sup>2</sup>   |
| 16.Deductions  | 3514.6 m <sup>2</sup>   |
| 17.Net Plot area   | 13535.40 m <sup>2</sup>   |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI)  | a) FSI area (sq. m.): 30504.94 m <sup>2</sup>   |
|  | b) Non FSI area (sq. m.): 19667.18 m <sup>2</sup>                                     |
|  | c) Total BUA area (sq. m.): 50172.12  |
| 18 (b).Approved Built up area as per DCR   | Approved FSI area (sq. m.):   |
|  | Approved Non FSI area (sq. m.):   |
|  | Date of Approval:   |
| 19.Total ground coverage (m <sup>2</sup> )   | 2546.09 m <sup>2</sup>  |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)                           | 20%   |
| 21.Estimated cost of the project   | 480000000.00  |

### 22.Number of buildings & its configuration

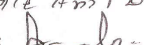
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------|------------------|-------------------------------|
| 1             | A                      | 2P + 11          | 37.20 m                       |
| 2             | B                      | 2P + 11          | 37.20 m                       |
| 3             | C                      | 3P + 14          | 45.00 m                       |
| 4             | D                      | 3P + 14          | 45.00 m                       |
| 5             | MHADA                  | P + 9            | 28.50 m                       |
| 6             | 46MHADA                | P + 9            | 28.50 M                       |

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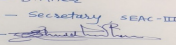
|   |  |
|---|--|
| 23.Number of tenants and shops  | No. of tenants: 577 Nos.,<br>No. of shops: 0 |
| 24.Number of expected residents / users   | 2885   |
| 25.Tenant density per hectare   | 338.40 Tenements/ hectore                    |
| 26.Height of the building(s)  |  |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | 40 m   |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 9 m  |
| 29.Existing structure (s) if any  | NA   |
| 30.Details of the demolition with disposal (If applicable)  | NA   |

### 31.Production Details

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

### 32.Total Water Requirement

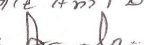
|             |  |                         |
|-------------|--|-------------------------|
| Dry season: | Source of water                              | YEWLEWADI GRAMPANCHAYAT |
|             | Fresh water (CMD):                           | 261                     |
|             | Recycled water - Flushing (CMD):             | 131                     |
|             | Recycled water - Gardening (CMD):            | 20                      |
|             | Swimming pool make up (Cum):                 | NA                      |
|             | Total Water Requirement (CMD) :              | 281                     |
|             | Fire fighting - Underground water tank(CMD): | 250                     |
|             | Fire fighting - Overhead water tank(CMD):    | 100                     |
|             | Excess treated water                         | 229                     |

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|                    |   |                         |
|--------------------|---|-------------------------|
| <b>Wet season:</b> | <b>Source of water</b>                              | YEWLEWADI GRAMPANCHAYAT |
|                    | <b>Fresh water (CMD):</b>                           | 261                     |
|                    | <b>Recycled water - Flushing (CMD):</b>             | 131                     |
|                    | <b>Recycled water - Gardening (CMD):</b>            | NA                      |
|                    | <b>Swimming pool make up (Cum):</b>                 | NA                      |
|                    | <b>Total Water Requirement (CMD) :</b>              | 261                     |
|                    | <b>Fire fighting - Underground water tank(CMD):</b> | 250                     |
|                    | <b>Fire fighting - Overhead water tank(CMD):</b>    | 100                     |
|                    | <b>Excess treated water</b>                         | 249                     |

**Details of Swimming pool (If any)**

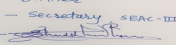
NA

### 33.Details of Total water consumed

| Particulars             | Consumption (CMD) |          |       | Loss (CMD) |          |       | Effluent (CMD) |          |       |
|-------------------------|-------------------|----------|-------|------------|----------|-------|----------------|----------|-------|
|                         | Existing          | Proposed | Total | Existing   | Proposed | Total | Existing       | Proposed | Total |
| Water Requirement       |                   |          |       |            |          |       |                |          |       |
| Fresh water requirement | NA                | 261      | 261   | NA         | 39       | 39    | NA             | 222      | 222   |
| Domestic                | NA                | 131      | 131   | NA         | 131      | 131   | NA             | 131      | 131   |
| Gardening               | NA                | 20       | 20    | NA         | 0        | 0     | 0              | 0        | 0     |

### 34.Rain Water Harvesting (RWH)

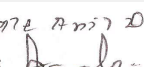

|   |   |
|---|---|
| <b>Level of the Ground water table:</b>         | 18.00 m. to 24.00 m. BGL.   |
| <b>Size and no of RWH tank(s) and Quantity:</b> | NA  |
| <b>Location of the RWH tank(s):</b>             | NA  |
| <b>Quantity of recharge pits:</b>               | 7 Nos.  |
| <b>Size of recharge pits :</b>                  | 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. |
| <b>Budgetary allocation (Capital cost) :</b>    | 7.0 lakhs   |
| <b>Budgetary allocation (O &amp; M cost) :</b>  | 0.50 lakhs/ annum   |
| <b>Details of UGT tanks if any :</b>            | Domestic UG tank Capacity (CMD):265<br>Flushing UG tank Capacity(CMD): 135<br>Firefighting (CMD): 250                       |

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|                                |  |                             |
|--------------------------------|--|-----------------------------|
| <b>35.Storm water drainage</b> | <b>Natural water drainage pattern:</b> | Sloping from South to North |
|                                | <b>Quantity of storm water:</b>        | 16.92 m3/min                |
|                                | <b>Size of SWD:</b>                    | 600mm dia                   |

|                               |   |                         |
|-------------------------------|---|-------------------------|
| <b>Sewage and Waste water</b> | <b>Sewage generation in KLD:</b>              | 353 KLD                 |
|                               | <b>STP technology:</b>                        | MBBR Technology         |
|                               | <b>Capacity of STP (CMD):</b>                 | 1 No., 360 KLD capacity |
|                               | <b>Location &amp; area of the STP:</b>        | Near building D         |
|                               | <b>Budgetary allocation (Capital cost):</b>   | Rs. 104.46 lakhs        |
|                               | <b>Budgetary allocation (O &amp; M cost):</b> | Rs. 14.00 lakhs/annum   |

### 36.Solid waste Management

|   |   |  |
|---|---|--|
| <b>Waste generation in the Pre Construction and Construction phase:</b> | <b>Waste generation:</b>                          | Debris 7638 m3, 45 kg/d -construction worker waste |
|   | <b>Disposal of the construction waste debris:</b> | used for back filling                              |

|   |  |           |
|---|--|-----------|
| <b>Waste generation in the operation Phase:</b> | <b>Dry waste:</b>                        | 389 kd/d  |
|   | <b>Wet waste:</b>                        | 909 kg/d  |
|   | <b>Hazardous waste:</b>                  | Nil       |
|   | <b>Biomedical waste (If applicable):</b> | NA        |
|   | <b>STP Sludge (Dry sludge):</b>          | 53 Kg/day |
|   | <b>Others if any:</b>                    | NA        |

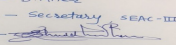
|                                   |  |                                     |
|-----------------------------------|--|-------------------------------------|
| <b>Mode of Disposal of waste:</b> | <b>Dry waste:</b>                        | handed over to authorized recyclers |
|                                   | <b>Wet waste:</b>                        | Smart Organic waste composter       |
|                                   | <b>Hazardous waste:</b>                  | NA                                  |
|                                   | <b>Biomedical waste (If applicable):</b> | NA                                  |
|                                   | <b>STP Sludge (Dry sludge):</b>          | used as manure                      |
|                                   | <b>Others if any:</b>                    | NA                                  |

|                          |  |                 |
|--------------------------|--|-----------------|
| <b>Area requirement:</b> | <b>Location(s):</b>  | Near Building C |
|                          | <b>Area for the storage of waste &amp; other material:</b> | 64 m2           |
|                          | <b>Area for machinery:</b>                                 | 64 m2           |

|  |                        |                   |
|--|------------------------|-------------------|
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>   | 25.75 lakhs       |
|  | <b>O &amp; M cost:</b> | 5.60 lakhs/ annum |

### 37.Effluent Charecterestics

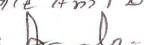
| Serial Number | Parameters | Unit | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|---------------|------------|------|--------------------------------|---------------------------------|-------------------------------------|
|---------------|------------|------|--------------------------------|---------------------------------|-------------------------------------|

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|                                       |                |                |                |                |                |
|---------------------------------------|----------------|----------------|----------------|----------------|----------------|
| 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 |                |                |                |

### 38.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     |

### 39.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             | attached to DG set | Diesel, 43 lit/hr.      | 1         | 5                            | 3                     | 400 0C                 |

### 40.Details of Fuel to be used

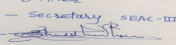
| Serial Number                             | Type of Fuel | Existing          | Proposed | Total  |
|---|--------------|-------------------|----------|--------|
| 1   | Diesel       | Not applicable    | Diesel   | Diesel |
| 41.Source of Fuel                         |              | Authorized Vendor |          |        |
| 42.Mode of Transportation of fuel to site |              | by road           |          |        |

### 43.Green Belt Development

|  |  |
|--|--|
| <b>Total RG area :</b>                         | 990.29 m2 on ground, 602.00 m2 on podium |
| <b>No of trees to be cut :</b>                 | NA                                       |
| <b>Number of trees to be planted :</b>         | 213                                      |
| <b>List of proposed native trees :</b>         | 213                                      |
| <b>Timeline for completion of plantation :</b> | within 3 to 4 years                      |

### 44.Number and list of trees species to be planted in the ground

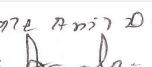

| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance             |
|---------------|-------------------|-------------|----------|---|
| 1             | Cassla grandls    | Pink Shower | 20       | Drought tolerant, ornamental & medicinal plant      |
| 2             | Michellachampa    | Champa      | 17       | Evergreen timber plant, ornamental,                 |
| 3             | Mimusopes elengii | Bakul       | 10       | Evergreen tree, timber yielding and medicinal plant |

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|  |                     |                    |     |   |
|--|---------------------|--------------------|-----|---|
| 4  | Ficus benjamino     | Weeping fig        | 09  | Evergreen tree, timber yielding and medicinal plant |
| 5  | Syzygium cumini     | Jambul             | 39  | fruit tree & bird attracting                        |
| 6  | Butea monosperma    | Flame tree         | 21  | Used in pesticide & dye preparation,                |
| 7  | Magnifera indica    | Mango              | 21  | Evergreen & bird attracting tree                    |
| 8  | Cassis fistula      | Golden shower      | 10  | Drought tolerant, ornamental & medicinal plant      |
| 9  | Saraca indica       | Sita Ashok         | 21  | Evergreen medicinal plant                           |
| 10   | Roystinia regia     | Royal plam         | 10  | Nitrogen fixer, ornamental plant                    |
| 11   | Manikara zapota     | Chikoo             | 10  | Tropical fruit tree & bird attracting tree          |
| 12   | Neolamarika cadamba | Kadamba tree       | 07  | Tropical fruit tree & bird attracting tree          |
| 13   | Total               | Total              | 213 | Total   |
| 14   | Existing tree       | Neem keep as it is | 1   | Evergreen medicinal plant                           |
| <b>45.Total quantity of plants on ground</b> |                     |                    |     |   |

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

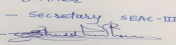
| Serial Number | Name | C/C Distance | Area m2 |
|---------------|------|--------------|---------|
| 1             | NA   | NA           | NA      |

#### 47.Energy

|                           |  |                 |
|---------------------------|--|-----------------|
| <b>Power requirement:</b> | <b>Source of power supply :</b>                                      | MSEDCL          |
|                           | <b>During Construction Phase: (Demand Load)</b>                      | 75 KW           |
|                           | <b>DG set as Power back-up during construction phase</b>             | 1 No.           |
|                           | <b>During Operation phase (Connected load):</b>                      | 2330 KW         |
|                           | <b>During Operation phase (Demand load):</b>                         | 1217 KW         |
|                           | <b>Transformer:</b>  | 2 Nos., 630 KVA |
|                           | <b>DG set as Power back-up during operation phase:</b>               | 1 No. 250 KVA   |
|                           | <b>Fuel used:</b>  | Diesel          |
|                           | <b>Details of high tension line passing through the plot if any:</b> | NA              |

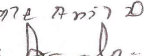
#### 48.Energy saving by non-conventional method:

Auto Timer control for external & Common lighting  
 Use of CFL / LED lamps in all public/ common areas.  
 Solar powered water heating.  
 Electronic V3F Drives for Elevators  
 Solar PV Panel power for common area lighting

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| 49.Detail calculations & % of saving: |                                |          |
|---------------------------------------|--------------------------------|----------|
| Serial Number                         | Energy Conservation Measures   | Saving % |
| 1                                     | Solar PV Panels                | 0.29     |
| 2                                     | Timer Logic Controller         | 1.21     |
| 3                                     | Electronic VVF drive for Lifts | 0.46     |
| 4                                     | Solar Water Heater             | 16.99    |
| 5                                     | TOTAL                          | 18.95    |

| 50.Details of pollution control Systems                 |                                   |                          |
|---|-----------------------------------|--------------------------|
| Source  | Existing pollution control system | Proposed to be installed |
| DG set<br>Stack   | NA                                | Stack                    |
| Budgetary allocation<br>(Capital cost and<br>O&M cost): | Capital cost:                     | 94.83 lakhs              |
|   | O & M cost:                       | 2.96 lakhs/ annum        |

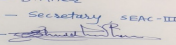
### 51.Environmental Management plan Budgetary Allocation

#### 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  | 0.84                               |
| 2             | WATER ENVIRONMENT           | tanker water for construction Water monitoring SITE SANITATION   | 2.22                               |
| 3             | LAND ENVIRONMENT            | SITE SANITATION  | 5.4                                |
| 4             | BIOLOGICAL ENVIRONMENT      | Gardening Set up Top soil preservation cost Cost of transplantation of trees                                       | 1.55                               |
| 5             | SOCIO- ECONOMIC ENVIRONMENT | DISINFECTION- PEST CONTROL first aid facilities HEALTH CHECK UP Creches for children Personal protective equipment | 7.6                                |
| 6             | TOTAL                       | TOTAL  | 17.67                              |

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

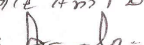
| Serial Number | Component  | Description            | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|------------|------------------------|--------------------------|---|
| 1             | STP        | 1 No. 360 KLD          | 104.46                   | 14.00   |
| 2             | OWC        | 1 No.                  | 25.75                    | 5.60  |
| 3             | RWH        | 7 Nos.                 | 7.00                     | 0.50  |
| 4             | Green Belt | green belt development | 15.52                    | 0.25  |

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

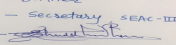
| Description    | Status         | Location       | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|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

## 52.Any Other Information

No Information Available

## 53.Traffic Management

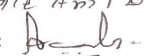
|                         |   |                                   |
|-------------------------|---|-----------------------------------|
|                         | Nos. of the junction to the main road & design of confluence:   | 1                                 |
| <b>Parking details:</b> | Number and area of basement:  | NA                                |
|                         | Number and area of podia:   | 1 No. - for gardening 602.11 sq.m |
|                         | Total Parking area:   | 5712.5                            |
|                         | Area per car:   | 12.5                              |
|                         | Area per car:   | 12.5                              |
|                         | Number of 2-Wheelers as approved by competent authority:  | 1012 Nos.                         |
|                         | Number of 4-Wheelers as approved by competent authority:  | 457 Nos.                          |
|                         | Public Transport:   | NA                                |
|                         | Width of all Internal roads (m):  | 6 m                               |
|                         | CRZ/ RRZ clearance obtain, if any:  | NA                                |
|                         | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | NA                                |
|                         | Category as per schedule of EIA Notification sheet  | 8a (B2)                           |
|                         | Court cases pending if any  | NA                                |
|                         | Other Relevant Informations   | NA                                |

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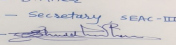
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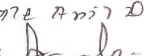
|   |  |            |
|---|--|------------|
|   | <b>Have you previously submitted Application online on MOEF Website.</b> | Yes        |
|   | <b>Date of online submission</b>   | 05-08-2016 |
| <b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>   |  |            |
| Summarised in brief information of Project as below.  |  |            |
| <b>Brief information of the project by SEAC</b>   |  |            |
| Environment Clearance for Construction Project at Sr.no.10/4/2 ,10/2/5,10/4/4,10/4/5a ,village Yewlewadi ,taluka haveli , Dist. - Pune. by <b>M/s.Mantra Innfra Developer LLP.</b>  |  |            |
| <b>DECISION OF SEAC</b>   |  |            |
| <p>PP requested for withdrawal of proposal, due to some amendment in the submitted proposal, PP uploaded new proposal dated 16.01.2018 having Unique No. 0000000851. Therefore, PP stated that they would like to withdraw earlier proposal having UID no 498 and consider proposal having UID No. 851 for further appraisal of the project. And request to withdrawal of proposal and pardon our absence.</p> <p><b>Committee decided to delist the proposal.</b></p> <p><b>Specific Conditions by SEAC:</b></p> |  |            |
| <b>FINAL RECOMMENDATION</b>   |  |            |
| Kindly find SEAC decision above.  |  |            |

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## 64 th Meeting of SEAC-3

**SEAC Meeting number: 64 Meeting Date March 19, 2018**

**Subject:** Environment Clearance for New construction project by M/s Namrata Construction

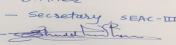
**Is a Violation Case:** No

|  |   |
|--|---|
| 1.Name of Project  | Namrata Gloria  |
| 2.Type of institution  | Private   |
| 3.Name of Project Proponent  | Mr.Ravindra Dhondiba Namde  |
| 4.Name of Consultant   | M/s. Saitech Research & Development Organization  |
| 5.Type of project  | Residential & Commercial  |
| 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  | S.no.76/2, Behind Water Tank, Mukai Chowk, Ravet  |
| 9.Taluka   | Haveli  |
| 10.Village   | Ravet   |
| 11.Area of the project   | Pimpri Chinchwad Muncipal Carporation   |
| 12.IOD/IOA/Concession/Plan Approval Number   | Applied   |
|  | <b>IOD/IOA/Concession/Plan Approval Number: -</b>   |
|  | <b>Approved Built-up Area: 21006.60</b>   |
| 13.Note on the initiated work (If applicable)  | 5940.21 (Bldg A P+11)   |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)   | 1244.34 m2  |
| 15.Total Plot Area (sq. m.)  | 7300.00 m2  |
| 16.Deductions  | 1146.12 m2  |
| 17.Net Plot area   | 6153.88 m2  |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI)  | <b>a) FSI area (sq. m.):</b> (Resi-Comm.-10228.83 m2 ) +(MHADA Proposed-1244.34) = 11473.17m2 |
|  | <b>b) Non FSI area (sq. m.):</b> 9533.43m2  |
|  | <b>c) Total BUA area (sq. m.):</b> 21006.60 m2  |
| 18 (b).Approved Built up area as per DCR   | <b>Approved FSI area (sq. m.):</b>  |
|  | <b>Approved Non FSI area (sq. m.):</b>  |
|  | <b>Date of Approval:</b>  |
| 19.Total ground coverage (m2)  | 1516.43m2   |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)                           | 20.77 % of Total plot area and 24.64 % of Net Plot Area                                       |
| 21.Estimated cost of the project   | 523500000   |

### 22.Number of buildings & its configuration

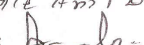
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------|------------------|-------------------------------|
| 1             | Building A             | P+11             | 36.00                         |
| 2             | Building B             | P+11             | 36.00                         |
| 3             | Building C             | P+10             | 33.00                         |
| 4             | Building D             | P+6              | 21.00                         |

**23.Number of tenants and shops** Total Tenements -232 Nos.  
Shops = 4 Nos.

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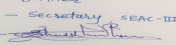
|   |   |
|---|---|
| 24.Number of expected residents / users   | Residential Users: 1160 Nos. Commercial Users: 24 Nos. Total Users: 1184 Nos. |
| 25.Tenant density per hectare   | 226.9   |
| 26.Height of the building(s)  |   |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | 12 M wide road  |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 9 m   |
| 29.Existing structure (s) if any  | Not Applicable  |
| 30.Details of the demolition with disposal (If applicable)  | Not Applicable  |

### 31.Production Details

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

### 32.Total Water Requirement

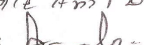
|             |  |        |
|-------------|--|--------|
| Dry season: | Source of water                              | PCMC   |
|             | Fresh water (CMD):                           | 167.66 |
|             | Recycled water - Flushing (CMD):             | 60.86  |
|             | Recycled water - Gardening (CMD):            | 5.66   |
|             | Swimming pool make up (Cum):                 | NA     |
|             | <b>Total Water Requirement (CMD) :</b>       | 106.80 |
|             | Fire fighting - Underground water tank(CMD): | 250.00 |
|             | Fire fighting - Overhead water tank(CMD):    | 70.00  |
|             | Excess treated water                         | 84.94  |

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|             |  |        |
|-------------|--|--------|
| Wet season: | Source of water                              | PCMC   |
|             | Fresh water (CMD):                           | 162.00 |
|             | Recycled water - Flushing (CMD):             | 60.86  |
|             | Recycled water - Gardening (CMD):            | 0.00   |
|             | Swimming pool make up (Cum):                 | NA     |
|             | Total Water Requirement (CMD) :              | 106.80 |
|             | Fire fighting - Underground water tank(CMD): | 250.00 |
|             | Fire fighting - Overhead water tank(CMD):    | 70.00  |
|             | Excess treated water                         | 90.60  |

Details of Swimming pool (If any)

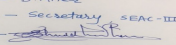
NA

### 33.Details of Total water consumed

| Particulars | Consumption (CMD) |                |                | Loss (CMD)     |                |                | Effluent (CMD) |                |                |
|-------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|             | 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 |

### 34.Rain Water Harvesting (RWH)

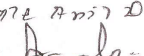

|  |  |
|--|--|
| Level of the Ground water table:         | 10 m BGL   |
| Size and no of RWH tank(s) and Quantity: | NA   |
| Location of the RWH tank(s):             | NA   |
| Quantity of recharge pits:               | 10 Nos.  |
| Size of recharge pits :                  | 2M X 2M X 2M   |
| Budgetary allocation (Capital cost) :    | 5.00 Lakh  |
| Budgetary allocation (O & M cost) :      | 0.5 Lakh/Year  |
| Details of UGT tanks if any :            | Domestic UG tank Capacity :158.00 m3<br>Flushing UG tank Capacity: 83.00 m3<br>Fire UG tank Capacity : 250.00 m3 |

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|                                |  |             |
|--------------------------------|--|-------------|
| <b>35.Storm water drainage</b> | <b>Natural water drainage pattern:</b> | -           |
|                                | <b>Quantity of storm water:</b>        | 3.54 m3/day |
|                                | <b>Size of SWD:</b>                    | 450 mm      |

|                               |   |                   |
|-------------------------------|---|-------------------|
| <b>Sewage and Waste water</b> | <b>Sewage generation in KLD:</b>              | 145.80 m3/day     |
|                               | <b>STP technology:</b>                        | MBBR              |
|                               | <b>Capacity of STP (CMD):</b>                 | 1 NOS. 150 m3/day |
|                               | <b>Location &amp; area of the STP:</b>        | -                 |
|                               | <b>Budgetary allocation (Capital cost):</b>   | 43.00 lakh        |
|                               | <b>Budgetary allocation (O &amp; M cost):</b> | 9.92 Lakh/year    |

### 36.Solid waste Management

|   |   |                  |
|---|---|------------------|
| <b>Waste generation in the Pre Construction and Construction phase:</b> | <b>Waste generation:</b>                          | 25 kg/day        |
|   | <b>Disposal of the construction waste debris:</b> | Use for Leveling |

|   |  |               |
|---|--|---------------|
| <b>Waste generation in the operation Phase:</b> | <b>Dry waste:</b>                        | 236.00 kg/day |
|   | <b>Wet waste:</b>                        | 349.00 kg/day |
|   | <b>Hazardous waste:</b>                  | NA            |
|   | <b>Biomedical waste (If applicable):</b> | NA            |
|   | <b>STP Sludge (Dry sludge):</b>          | 11.00 kg/day  |
|   | <b>Others if any:</b>                    | NA            |

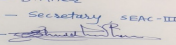
|                                   |  |  |
|-----------------------------------|--|--|
| <b>Mode of Disposal of waste:</b> | <b>Dry waste:</b>                        | SWACH                                  |
|                                   | <b>Wet waste:</b>                        | OWC                                    |
|                                   | <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> | 33 m2 |
|                          | <b>Area for machinery:</b>                                 | 15 m2 |

|  |                        |                |
|--|------------------------|----------------|
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>   | 15.25 Lakh     |
|  | <b>O &amp; M cost:</b> | 3.44 Lakh/year |

### 37.Effluent Charecterestics

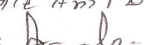
| Serial Number | Parameters | Unit | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|---------------|------------|------|--------------------------------|---------------------------------|-------------------------------------|
|---------------|------------|------|--------------------------------|---------------------------------|-------------------------------------|

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|                                       |                |                |                |                |                |
|---------------------------------------|----------------|----------------|----------------|----------------|----------------|
| 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 |                |                |                |

### 38.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     |

### 39.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- 125 KVA | HSD                     | 1         | 1.0 m                        | to be provided        | to be provided         |

### 40.Details of Fuel to be used

| Serial Number | Type of Fuel | Existing       | Proposed  | Total     |
|---------------|--------------|----------------|-----------|-----------|
| 1             | HSD          | Not applicable | 20 Lit/Hr | 20 Lit/Hr |

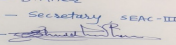
41.Source of Fuel Bharat Petroleum Corporation Limited/Hindustan Petroleum

42.Mode of Transportation of fuel to site By roadway

|                                  |  |                       |
|----------------------------------|--|-----------------------|
| <b>43.Green Belt Development</b> | <b>Total RG area :</b>                         | 683.77 m <sup>2</sup> |
|                                  | <b>No of trees to be cut :</b>                 | -                     |
|                                  | <b>Number of trees to be planted :</b>         | 88 nos.               |
|                                  | <b>List of proposed native trees :</b>         | -                     |
|                                  | <b>Timeline for completion of plantation :</b> | Mid of constuction    |

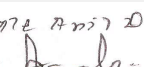

### 44.Number and list of trees species to be planted in the ground

| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance       |
|---------------|-------------------|-------------|----------|---|
| 1             | Psidium guajava   | Guava       | 6        | Fruit trees attracting butterflies.           |
| 2             | Manilkara zapota  | Chikku      | 6        | Fruit trees attracting butterflies and birds. |
| 3             | Ficus retusa      | Nandruk     | 12       | Medium sized evergreen tree, shady tree.      |

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|   |                            |           |    |   |
|---|----------------------------|-----------|----|---|
| 4 | Cassia fistula             | Bahava    | 16 | Medium sized deciduous tree and butterfly host plant.                         |
| 5 | Nycatanthes arbor-tristis  | Parijatak | 14 | Deciduous fast growing tree, beautiful flowers.                               |
| 6 | Citrus spp.                | Lemaon    | 5  | Butterfly host plant fragrance tree.  |
| 7 | Michelia champaca          | Chapha    | 13 | Evergreen tree, fragrant flowers, Butterfly host plant.                       |
| 8 | Lagerstroemia flosregineae | Tamhan    | 16 | Stat flower tree of Maharashtra, medium sized tree, beautiful purple flowers. |

45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

| Serial Number | Name | C/C Distance | Area m2 |
|---------------|------|--------------|---------|
| 1             | -    | -            | -       |

#### 47.Energy

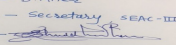
|                           |  |                 |
|---------------------------|--|-----------------|
| <b>Power requirement:</b> | <b>Source of power supply :</b>                                      | MSEDCL          |
|                           | <b>During Construction Phase: (Demand Load)</b>                      | 30 KW           |
|                           | <b>DG set as Power back-up during construction phase</b>             | 40 KVA - 1 No.  |
|                           | <b>During Operation phase (Connected load):</b>                      | 933.45 KW       |
|                           | <b>During Operation phase (Demand load):</b>                         | 507.97 KW       |
|                           | <b>Transformer:</b>  | 630 KVA -1 NOS. |
|                           | <b>DG set as Power back-up during operation phase:</b>               | 125 KVA -1 NOS  |
|                           | <b>Fuel used:</b>  | 20 Lit/Hr.      |
|                           | <b>Details of high tension line passing through the plot if any:</b> | NA              |

#### 48.Energy saving by non-conventional method:

As per MSEDCL requirements, we planned to use high efficiency Transformer & to reduce losses. Losses for Transformer will be as per IS standards & ECBC norms.  
We are planning to keep power factor of the common load installation near unity.  
Following are the Energy efficient fixtures should be used in our project for energy conservation :-  
Energy efficient LED fixtures are proposed for parking area of all buildings.  
LED lighting fixtures are proposed for general lighting for common passages, st

#### 49.Detail calculations & % of saving:

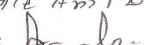
| Serial Number | Energy Conservation Measures              | Saving %      |
|---------------|---|---------------|
| 1             | Total Energy Saved Using LED              | 19.27 KW/ day |
| 2             | Total Energy Saved From External Lighting | 1.30 KW/ day  |

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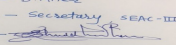
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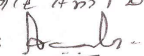
|  |  |  |   |  |
|--|--|--|---|--|
| 3  | Total KW Saved by Solar Water Heater     | 348.00 KW/ day   |   |  |
| <b>50.Details of pollution control Systems</b>               |  |  |   |  |
| <b>Source</b>  | <b>Existing pollution control system</b> | <b>Proposed to be installed</b>  |   |  |
| Air  | -  | 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                          |   |  |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>                     | 11.48 Lakh   |   |  |
|  | <b>O &amp; M cost:</b>                   | 0.5 Lakh/year  |   |  |
| <b>51.Environmental Management plan Budgetary Allocation</b> |  |  |   |  |
| <b>a) Construction phase (with Break-up):</b>                |  |  |   |  |
| <b>Serial Number</b>   | <b>Attributes</b>                        | <b>Parameter</b>   | <b>Total Cost per annum (Rs. In Lacs)</b> |  |
| 1  | Air Environment                          | Water for Dust Suppression, Air & Noise Monitoring   | 0.50                                      |  |
| 2  | Water Environment                        | Tanker Water for Construction, Water Monitoring  | 0.50                                      |  |
| 3  | Land Environment                         | Site Sanitation<br>Mobile toilets  | 0.50                                      |  |
| 4  | Socio-economic                           | Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Food for children, Personal Protective Equipment            | 1.00                                      |  |
| <b>b) Operation Phase (with Break-up):</b>                   |  |  |   |  |
| <b>Serial Number</b>   | <b>Component</b>                         | <b>Description</b>   | <b>Capital cost Rs. In Lacs</b>           | <b>Operational and Maintenance cost (Rs. in Lacs/yr)</b> |
| 1  | STP                                      | Sewage Treatment Plant for Residential   | 43.00                                     | 9.92   |
| 2  | RWH                                      | Rain Water Harvesting  | 5.00                                      | 0.50   |
| 3  | MSW                                      | Municipal Solid Waste  | 15.25                                     | 3.44   |
| 4  | Solar PV Panel                           | Solar PV Panel   | 59.50                                     | 2.38   |
| 5  | Energy System                            | Energy System  | 11.48                                     | 0.50   |
| 6  | Landscaping                              | Landscaping  | 13.09                                     | 1.80   |
| 7  | Safety Equipments                        | Safety Equipments  | 10.00                                     | 2.00   |
| 8  | Post EC Monitoring                       | Post EC Monitoring   | -   | 2.50   |
| 9  | Dry Waste management                     | Dry Waste management   | -   | 13.92  |

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

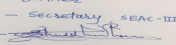
| Description    | Status         | Location       | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|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

## 52.Any Other Information

No Information Available

## 53.Traffic Management

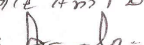
|                         |   |                        |
|-------------------------|---|------------------------|
|                         | Nos. of the junction to the main road & design of confluence:   | -                      |
| <b>Parking details:</b> | Number and area of basement:  | NA                     |
|                         | Number and area of podia:   | NA                     |
|                         | Total Parking area:   | 5605.80 m <sup>2</sup> |
|                         | Area per car:   | 46.69 m <sup>2</sup>   |
|                         | Area per car:   | 46.69 m <sup>2</sup>   |
|                         | Number of 2-Wheelers as approved by competent authority:  | 479                    |
|                         | Number of 4-Wheelers as approved by competent authority:  | 120                    |
|                         | Public Transport:   | NA                     |
|                         | Width of all Internal roads (m):  | 6                      |
|                         | CRZ/ RRZ clearance obtain, if any:  | NA                     |
|                         | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | NA                     |
|                         | Category as per schedule of EIA Notification sheet  | B2                     |
|                         | Court cases pending if any  | NA                     |
|                         | Other Relevant Informations   | NA                     |

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|  |  |            |
|--|--|------------|
|  | <b>Have you previously submitted Application online on MOEF Website.</b> | Yes        |
|  | <b>Date of online submission</b>   | 23-11-2016 |
| <b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>  |  |            |
| Summarised in brief information of Project as below.   |  |            |
| <b>Brief information of the project by SEAC</b>  |  |            |
| Environment Clearance for New construction project at S.no.76/2, Behind Water Tank, Mukai Chowk, Ravet by <b>M/s Namrata Construction.</b> |  |            |
| <b>DECISION OF SEAC</b>  |  |            |
| <b>PP remained absent.hence committee decided to defere the proposal.</b>  |  |            |
| Specific Conditions by SEAC:   |  |            |
| <b>FINAL RECOMMENDATION</b>  |  |            |
| SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days                   |  |            |

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|  |  |                             |  |
|--|--|-----------------------------|--|
| <p>Name - S.D.Aher<br/>Designation - Secretary SEAC-III<br/>Sign </p> <p><b>S.D.Aher (Secretary SEAC-III)</b></p> | <p><b>SEAC Meeting No: 64 Meeting Date: March 19, 2018</b></p> | <p><b>Page 28 of 58</b></p> | <p>Name: K. Anil Kale<br/>Signature: </p> <p><b>Shri. Anil Kale (Chairman SEAC-III)</b></p> |
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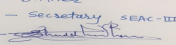
## 64 th Meeting of SEAC-3

**SEAC Meeting number: 64 Meeting Date March 19, 2018**

**Subject:** Environment Clearance for Environmental Clearance for "THE KING'S WAY" - Amendment in Proposed Housing Project by Shree Venkatesh Constructions Promoters & Developers, Shree Venkatesh Creators Promoters & Developers at S. No 67A/6A, 67A/8A, 67A/8B at Ghorpadi, Tal: Haveli, Dist: Pune.

**Is a Violation Case:** No

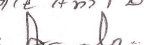
|   |   |
|---|---|
| <b>1.Name of Project</b>  | "THE KING'S WAY" - Amendment in Proposed Housing Project by Shree Venkatesh Constructions Promoters & Developers, Shree Venkatesh Creators Promoters & Developers at S. No 67A/6A, 67A/8A, 67A/8B at Ghorpadi, Tal: Haveli, Dist: Pune. |
| <b>2.Type of institution</b>  | Private   |
| <b>3.Name of Project Proponent</b>  | Mr. Aditya Gadiya   |
| <b>4.Name of Consultant</b>   | J M EnviroNet Pvt Ltd- Sayali Jagtap(EIA Co-ordinator-9960159156)   |
| <b>5.Type of project</b>  | Housing project   |
| <b>6.New project/expansion in existing project/modernization/diversification in existing project</b>          | Expansion   |
| <b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b> | Yes. EC letter no. SEAC-III-2015/CR-33/TC-3 dated 17.03.2015  |
| <b>8.Location of the project</b>  | S.No. 67A/6A, 67A/8A, 67A/8B, Ghorpadi  |
| <b>9.Taluka</b>   | Haveli  |
| <b>10.Village</b>   | Ghorpadi  |
| <b>Correspondence Name:</b>   | Sayali Jagtap   |
| <b>Room Number:</b>   | F3  |
| <b>Floor:</b>   | First floor   |
| <b>Building Name:</b>   | Dindayal nagar  |
| <b>Road/Street Name:</b>  | Medical college road  |
| <b>Locality:</b>  | Katraj  |
| <b>City:</b>  | Pune  |
| <b>11.Area of the project</b>   | Pune Municipal Corporation  |
| <b>12.IOD/IOA/Concession/Plan Approval Number</b>   | Received<br><b>IOD/IOA/Concession/Plan Approval Number:</b> CC-2802/17 dated 24.01.2018<br><b>Approved Built-up Area:</b> 26464.36  |
| <b>13.Note on the initiated work (If applicable)</b>  | Total constructed area : 19142.46 Sq.m as per old EC  |
| <b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>   | Not Applicable  |
| <b>15.Total Plot Area (sq. m.)</b>  | 14100 Sq.m  |
| <b>16.Deductions</b>  | 2556.26 Sq.m  |
| <b>17.Net Plot area</b>   | 11443.74 Sq.m   |
| <b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>  | <b>a) FSI area (sq. m.):</b> 14726.38 sq. m   |
|   | <b>b) Non FSI area (sq. m.):</b> 11737.98 sq. m   |
|   | <b>c) Total BUA area (sq. m.):</b> 26464.36   |
| <b>18 (b).Approved Built up area as per DCR</b>   | <b>Approved FSI area (sq. m.):</b> 14726.38 sq. m   |
|   | <b>Approved Non FSI area (sq. m.):</b> 11737.98 sq. m   |
|   | <b>Date of Approval:</b> 24-01-2018   |
| <b>19.Total ground coverage (m2)</b>  | 2247.11 sq. m   |
| <b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>                           | 19.63 %   |
| <b>21.Estimated cost of the project</b>   | 30000000  |

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**S.D.Aher (Secretary SEAC-III)**

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## 22.Number of buildings & its configuration

| Serial number | Building Name & number | Number of floors      | Height of the building (Mtrs) |
|---------------|------------------------|-----------------------|-------------------------------|
| 1             | Building A1            | 2 Parking + 12 floors | 41.66 m                       |
| 2             | Building A2            | 2 Parking + 12 floors | 41.66 m                       |
| 3             | Building A3            | 2 Parking + 12 floors | 41.66 m                       |
| 4             | Building A4            | Parking + 1 floors    | 9.06 m                        |
| 5             | Building A5            | Parking + 6 floors    | 20.94 m                       |
| 6             | Club house             | Ground +1 floors      | 7.6 m                         |

|   |   |
|---|---|
| 23.Number of tenants and shops  | Residential : 193   |
| 24.Number of expected residents / users   | Residential : 965 nos   |
| 25.Tenant density per hectare   | 687.94 per Ha   |
| 26.Height of the building(s)  |   |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | Width of right of way 18 m from nearest fire station at Cantonment, Shankar seth road, Pune |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 9.00 m  |
| 29.Existing structure (s) if any  | Not applicable  |
| 30.Details of the demolition with disposal (If applicable)  | Not applicable  |

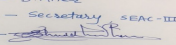
## 31.Production Details

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

## 32.Total Water Requirement

|  |  |                             |  |
|--|--|-----------------------------|--|
| <p>Name - S.D.Aher<br/>Designation - Secretary SEAC-III<br/>Sign - </p> <p><b>S.D.Aher (Secretary SEAC-III)</b></p> | <p><b>SEAC Meeting No: 64 Meeting Date: March 19, 2018</b></p> | <p><b>Page 30 of 58</b></p> | <p>Name: K. Anil Kale<br/>Signature: </p> <p><b>Shri. Anil Kale (Chairman SEAC-III)</b></p> |
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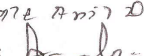

| Dry season:                               | Source of water                              | Pune Municipal Corporation |                |                |                |                |                |                |                |
|---|--|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|   | Fresh water (CMD):                           | 92                         |                |                |                |                |                |                |                |
|   | Recycled water - Flushing (CMD):             | 44                         |                |                |                |                |                |                |                |
|   | Recycled water - Gardening (CMD):            | 25                         |                |                |                |                |                |                |                |
|   | Swimming pool make up (Cum):                 | 0                          |                |                |                |                |                |                |                |
|   | Total Water Requirement (CMD) :              | 161                        |                |                |                |                |                |                |                |
|   | Fire fighting - Underground water tank(CMD): | 150                        |                |                |                |                |                |                |                |
|   | Fire fighting - Overhead water tank(CMD):    | 20                         |                |                |                |                |                |                |                |
|   | Excess treated water                         | 47.24                      |                |                |                |                |                |                |                |
| Wet season:                               | Source of water                              | Pune Municipal Corporation |                |                |                |                |                |                |                |
|   | Fresh water (CMD):                           | 92                         |                |                |                |                |                |                |                |
|   | Recycled water - Flushing (CMD):             | 44                         |                |                |                |                |                |                |                |
|   | Recycled water - Gardening (CMD):            | 0                          |                |                |                |                |                |                |                |
|   | Swimming pool make up (Cum):                 | 0                          |                |                |                |                |                |                |                |
|   | Total Water Requirement (CMD) :              | 136                        |                |                |                |                |                |                |                |
|   | Fire fighting - Underground water tank(CMD): | 150                        |                |                |                |                |                |                |                |
|   | Fire fighting - Overhead water tank(CMD):    | 20                         |                |                |                |                |                |                |                |
|   | Excess treated water                         | 72.24                      |                |                |                |                |                |                |                |
| Details of Swimming pool (If any)         | Not Applicable                               |                            |                |                |                |                |                |                |                |
| <b>33.Details of Total water consumed</b> |  |                            |                |                |                |                |                |                |                |
| Particulars                               | Consumption (CMD)                            |                            |                | Loss (CMD)     |                |                | Effluent (CMD) |                |                |
|   | 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 |

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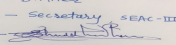
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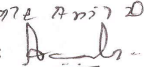
|   |   |   |
|---|---|---|
| <b>34.Rain Water Harvesting (RWH)</b>                                   | <b>Level of the Ground water table:</b>           | 4 to 6 m BGL  |
|   | <b>Size and no of RWH tank(s) and Quantity:</b>   | Not applicable  |
|   | <b>Location of the RWH tank(s):</b>               | Not applicable  |
|   | <b>Quantity of recharge pits:</b>                 | 6 nos.  |
|   | <b>Size of recharge pits :</b>                    | 2 x 2 x 2 m   |
|   | <b>Budgetary allocation (Capital cost) :</b>      | Rs. 6,00,000 /-   |
|   | <b>Budgetary allocation (O &amp; M cost) :</b>    | Rs. 1,20,000 /-   |
|   | <b>Details of UGT tanks if any :</b>              | Domestic : 137.77 Cum<br>Flushing : 65.13 Cum<br>Fire : 150 cum |
| <b>35.Storm water drainage</b>  | <b>Natural water drainage pattern:</b>            | East to west  |
|   | <b>Quantity of storm water:</b>                   | 29.12 cum per min.  |
|   | <b>Size of SWD:</b>                               | 450 mm  |
| <b>Sewage and Waste water</b>   | <b>Sewage generation in KLD:</b>                  | 122 KLD   |
|   | <b>STP technology:</b>                            | SMBR Technology   |
|   | <b>Capacity of STP (CMD):</b>                     | 135 KLD   |
|   | <b>Location &amp; area of the STP:</b>            | 157.56 sq. m  |
|   | <b>Budgetary allocation (Capital cost):</b>       | Rs. 37,25,000 /-  |
|   | <b>Budgetary allocation (O &amp; M cost):</b>     | Rs. 8,50,000 /-   |
| <b>36.Solid waste Management</b>  |   |   |
| <b>Waste generation in the Pre Construction and Construction phase:</b> | <b>Waste generation:</b>                          | 30 kg/day   |
|   | <b>Disposal of the construction waste debris:</b> | For site filling  |
| <b>Waste generation in the operation Phase:</b>                         | <b>Dry waste:</b>                                 | 101.85 kg/day   |
|   | <b>Wet waste:</b>                                 | 237.65 kg/day   |
|   | <b>Hazardous waste:</b>                           | Negligible  |
|   | <b>Biomedical waste (If applicable):</b>          | Not Applicable  |
|   | <b>STP Sludge (Dry sludge):</b>                   | 9 kg/day  |
|   | <b>Others if any:</b>                             | Not Applicable  |

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|  |  |                         |
|--|--|-------------------------|
| <b>Mode of Disposal of waste:</b>                            | <b>Dry waste:</b>  | Handover to SWACH, Pune |
|  | <b>Wet waste:</b>  | Treat through OWC       |
|  | <b>Hazardous waste:</b>                                    | Not Applicable          |
|  | <b>Biomedical waste (If applicable):</b>                   | Not Applicable          |
|  | <b>STP Sludge (Dry sludge):</b>                            | Will be used as manure  |
|  | <b>Others if any:</b>                                      | Not Applicable          |
| <b>Area requirement:</b>                                     | <b>Location(s):</b>  | Near Building A1        |
|  | <b>Area for the storage of waste &amp; other material:</b> | 30 Sq.m                 |
|  | <b>Area for machinery:</b>                                 | 10 Sq.m                 |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>                                       | Rs. 8,44,600 /-         |
|  | <b>O &amp; M cost:</b>                                     | Rs. 1,12,000 /-         |

### 37. Effluent Characteristics

| Serial Number                         | Parameters     | Unit           | Inlet Effluent Characteristics | Outlet Effluent Characteristics | 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 |                                |                                 |                                     |

### 38. Hazardous Waste Details

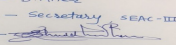
| Serial Number | Description    | Cat            | UOM            | Existing       | Proposed       | Total          | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1             | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable     |

### 39. 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             | Not applicable  | Not applicable          | Not applicable | Not applicable               | Not applicable        | Not applicable         |

### 40. Details of Fuel to be used

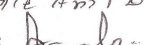
| Serial Number                              | Type of Fuel   | Existing       | Proposed       | Total          |
|--|----------------|----------------|----------------|----------------|
| 1  | Not applicable | Not applicable | Not applicable | Not applicable |
| 41. Source of Fuel                         |                | Not applicable |                |                |
| 42. Mode of Transportation of fuel to site |                | Not applicable |                |                |

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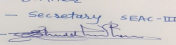
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**Shri. Anil Kale (Chairman SEAC-III)**

|                                  |  |   |
|----------------------------------|--|---|
| <b>43.Green Belt Development</b> | <b>Total RG area :</b>                         | Total RG area : 4065 sq. m RG on ground- 2490 Sq. m RG on podium - 1575 Sq. m |
|                                  | <b>No of trees to be cut :</b>                 | 0   |
|                                  | <b>Number of trees to be planted :</b>         | 0   |
|                                  | <b>List of proposed native trees :</b>         | On ground : 224 nos. ; On Podium : 54 nos.                                    |
|                                  | <b>Timeline for completion of plantation :</b> | up to completion of project   |

#### 44.Number and list of trees species to be planted in the ground

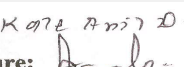

| Serial Number | Name of the plant          | Common Name                | Quantity | Characteristics & ecological importance   |
|---------------|----------------------------|----------------------------|----------|---|
| 1             | Ailanthus excelsa          | Maharukh                   | 39       | Large tree, good for roadside plantation, common in hotter parts in India.                                    |
| 2             | Azadirachta indica         | Neem                       | 13       | A medium to large size hardy tree that stand in drought conditions. Attain a much larger size in dry regions. |
| 3             | Acacia auriculiformis      | Ear leaf Acacia            | 23       | A medium size tree widely grown along roads, grows in warm climate under both dry and moist conditions.       |
| 4             | Ficus benghalensis         | Banyan tree                | 01       | Large, evergreen shady tree   |
| 5             | Spathodia campanulata      | Pitchkari                  | 16       | Large tree with beautiful orange flowers, good for roadside plantation  |
| 6             | Mimosops elengi            | Bakul                      | 08       | Medium sized evergreen tree, good for roadside plantation.  |
| 7             | Lagerstroemia flos-reginae | Taman/ Jarul               | 42       | State flower tree of Maharashtra, Medium sized tree, beautiful purple flowers                                 |
| 8             | Jacaranda mimosifolia      | Jacaranda                  | 03       | Medium sized gracious deciduous flowering tree which prefers moderate climate.                                |
| 9             | Putranjiva roxburghii      | Putranjiva/ Patangi        | 19       | Shady tree with red- yellow flowers.  |
| 10            | Khaya senghalis            | Khaya                      | 14       | Large roadside tree.  |
| 11            | Cassia fistula             | Bahava                     | 13       | Small deciduous tree. Excellent flowering tree for arid regions.  |
| 12            | Bombax ceiba               | Katesavar                  | 02       | Large deciduous tree, flowers attract many birds.   |
| 13            | Cryota urens               | Fish tail palm/ Bherli mad | 20       | Tall evergreen tree   |
| 14            | Butea monosperma           | Palas                      | 02       | Small deciduous. Good for roadside plantation.  |
| 15            | Erythrina indica           | Pangara                    | 05       | Medium sized deciduous tree. Bright scarlet flowers.  |
| 16            | Bauhinia racemosa          | Apta                       | 24       | Small hard tree.  |

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|    |                   |          |    |   |
|----|-------------------|----------|----|---|
| 17 | Albizzia lebbeck  | Shirish  | 13 | Shady Large tree, ball shaped flowers.                                      |
| 18 | Michella champaca | Sonchafa | 02 | Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant. |
| 19 | Plumeria alba     | Champa   | 26 | Ornamental flowering tree.  |

**45.Total quantity of plants on ground**

**46.Number and list of shrubs and bushes species to be planted in the podium RG:**

| Serial Number | Name                        | C/C Distance | Area m2     |
|---------------|-----------------------------|--------------|-------------|
| 1             | Plumeria alba               | 0.45 m c/c   | 33.14 Sq.m  |
| 2             | Lagerstroemia flos- reginae | 0.60 m c/c   | 12.93 sq. m |
| 3             | Cryota urens                | 0.45 m c/c   | 9.26 sq. m  |

**47.Energy**

|                           |  |                   |
|---------------------------|--|-------------------|
| <b>Power requirement:</b> | <b>Source of power supply :</b>                                      | MSEDCL            |
|                           | <b>During Construction Phase: (Demand Load)</b>                      | 10 KW             |
|                           | <b>DG set as Power back-up during construction phase</b>             | 15 kVA            |
|                           | <b>During Operation phase (Connected load):</b>                      | 1028.77 KW        |
|                           | <b>During Operation phase (Demand load):</b>                         | 692.69 kW         |
|                           | <b>Transformer:</b>  | 630 kVA & 160 kvA |
|                           | <b>DG set as Power back-up during operation phase:</b>               | 140 kVA           |
|                           | <b>Fuel used:</b>  | HSD               |
|                           | <b>Details of high tension line passing through the plot if any:</b> | No                |

**48.Energy saving by non-conventional method:**

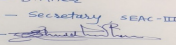
Solar Hot water system  
Solar PV Panels

**49.Detail calculations & % of saving:**

| Serial Number | Energy Conservation Measures  | Saving % |
|---------------|---|----------|
| 1             | Energy efficient LED fixtures for parking area & common area + Solar Hot water system + Solar PV panels | 6.19 %   |

**50.Details of pollution control Systems**

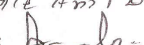
| Source         | Existing pollution control system | Proposed to be installed |
|----------------|-----------------------------------|--------------------------|
| Not applicable | Not applicable                    | Not applicable           |

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|  |                        |                  |
|--|------------------------|------------------|
| <b>Budgetary allocation<br/>(Capital cost and<br/>O&amp;M cost):</b> | <b>Capital cost:</b>   | Rs. 38,53,900 /- |
|  | <b>O &amp; M cost:</b> | Rs. 1,97,495 /-  |

## 51.Environmental Management plan Budgetary Allocation

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

| Serial Number | Attributes             | Parameter   | Total Cost per annum (Rs. In Lacs) |
|---------------|------------------------|---|------------------------------------|
| 1             | Air                    | Erosion control - dust suppression measures and barricading | Rs. 1,06,000 /-                    |
| 2             | Land                   | Site Sanitation   | Rs. 26,500 /-                      |
| 3             | Health & safety        | Site Safety   | Rs.88,000 /-                       |
| 4             | Environment management | Environmental Monitoring                                    | Rs. 1,20,000/-                     |
| 5             | Health & safety        | Disinfection and Health Check-ups                           | Rs. 45,000 /-                      |

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

| Serial Number | Component                | Description            | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|--------------------------|------------------------|--------------------------|---|
| 1             | Sewage Treatment Plant   | 1 STP                  | Rs. 37,25,000 /-         | Rs. 8,50,000 /-                                   |
| 2             | Rain Water Harvesting    | 6 nos. of pits         | Rs. 6,00,000 /-          | Rs. 1,20,000 /-                                   |
| 3             | Solid Waste Management   | 1 OWC                  | Rs. 8,44,600 /-          | Rs. 1,12,000 /-                                   |
| 4             | Green Belt Development   | 278 nos. of trees      | Rs. 89,00,000 /-         | Rs. 85,000 /-                                     |
| 5             | Electrical System        | DG + Solar system      | Rs. 38,53,900 /-         | Rs. 1,97,495 /-                                   |
| 6             | Environmental Monitoring | Environment management | -                        | Rs. 1,20,000/-                                    |

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

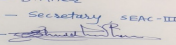
| Description    | Status         | Location       | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|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

### 52.Any Other Information

No Information Available

### 53.Traffic Management

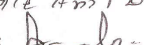
|  |  |
|--|--|
| <b>Nos. of the junction to the main road &amp; design of confluence:</b> | The project has direct access from the existing 8 m B T Kawade road connected to 18 m Pune- Solapur Highway. |
|--|--|

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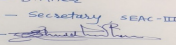
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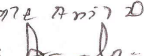
|   |  |                               |
|---|--|-------------------------------|
| <b>Parking details:</b>                               | <b>Number and area of basement:</b>  | No                            |
|   | <b>Number and area of podia:</b>   | 1887.63 Sq.m                  |
|   | <b>Total Parking area:</b>   | 10,108 sq. m                  |
|   | <b>Area per car:</b>   | 30 m                          |
|   | <b>Area per car:</b>   | 30 m                          |
|   | <b>Number of 2-Wheelers as approved by competent authority:</b>  | Scooters : 399 , cycles : 390 |
|   | <b>Number of 4-Wheelers as approved by competent authority:</b>  | 317 nos                       |
|   | <b>Public Transport:</b>   | PMC city buses                |
|   | <b>Width of all Internal roads (m):</b>  | 6.00 m                        |
|   | <b>CRZ/ RRZ clearance obtain, if any:</b>  | Not Applicable                |
|   | <b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b> | None within 10 km             |
|   | <b>Category as per schedule of EIA Notification sheet</b>  | B2                            |
|   | <b>Court cases pending if any</b>  | Not Applicable                |
|   | <b>Other Relevant Informations</b>   | Not Applicable                |
|   | <b>Have you previously submitted Application online on MOEF Website.</b>                                       | Yes                           |
|   | <b>Date of online submission</b>   | 08-12-2016                    |
| <b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>       |  |                               |
| Summorisred in brief information of Project as below. |  |                               |
| <b>Brief information of the project by SEAC</b>       |  |                               |

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**S.D.Aher (Secretary SEAC-III)**

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Environment Clearance for Environmental Clearance for Proposed Housing project THE KINGS WAY " at S.No. 67A/6A, 67A/8A, 67A/8B, Ghorpadi by **M/s. Shree Venkatesh Constructions Promoters & Developers.**

PP submitted their application for prior Environmental clearance for expansion of the previous EC (letter no .SEAC-III-2015/CR-33/TC-3) dated 17.03.2015 having total plot area of 14100 Sq. Mtrs, BUA of 26464.38 Sq. Mtrs and FSI area of 14679.96Sq. Mtrs. PP proposes to construct 5 nos. of residential buildings, and 1 Club house.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

### DECISION OF SEAC

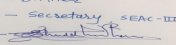
**SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the following conditions.**

**Specific Conditions by SEAC:**

- 1) PP to upload all six month compliance report on website.
- 2) PP to upload undertaking for alternative water supply.
- 3) PP to increase STP capacity i.e. up to 135 KLD.

### FINAL RECOMMENDATION

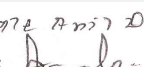

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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**S.D.Aher (Secretary SEAC-III)**

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## 64 th Meeting of SEAC-3

**SEAC Meeting number: 64 Meeting Date March 19, 2018**

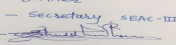
**Subject:** Environment Clearance for for project by M/s Monotype Grihanirman Pvt. Ltd.

**Is a Violation Case:** No

|  |   |
|--|---|
| 1.Name of Project  | TechPoint   |
| 2.Type of institution  | Private   |
| 3.Name of Project Proponent  | Mr. Rajkumar Sarda  |
| 4.Name of Consultant   | M/s Saitech Research & Development Organization   |
| 5.Type of project  | Commercial  |
| 6.New project/expansion in existing project/modernization/diversification in existing project          | New   |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Not applicable  |
| 8.Location of the project  | Survey no 12, H no 1/1+1/2C, Opposite Lafarge Concrete Plant, Solapur By-pass Road, Kharadi, Tehsil-Haveli, Dist-Pune-411014. |
| 9.Taluka   | Haveli  |
| 10.Village   | Kharadi   |
| 11.Area of the project   | Pune Municipal Corporation  |
| 12.IOD/IOA/Concession/Plan Approval Number   | Applied   |
|  | <b>IOD/IOA/Concession/Plan Approval Number: -</b>   |
|  | <b>Approved Built-up Area: 37441.19</b>   |
| 13.Note on the initiated work (If applicable)  | 19040 m2  |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)   | NA  |
| 15.Total Plot Area (sq. m.)  | 6866.11   |
| 16.Deductions  | Deductions - 921.11 (780 m2 open space +141.11 m2 Nala)   |
| 17.Net Plot area   | 5945.00   |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI)  | <b>a) FSI area (sq. m.):</b> 17636.13   |
|  | <b>b) Non FSI area (sq. m.):</b> 19805.06   |
|  | <b>c) Total BUA area (sq. m.):</b> 37441.19   |
| 18 (b).Approved Built up area as per DCR   | <b>Approved FSI area (sq. m.):</b>  |
|  | <b>Approved Non FSI area (sq. m.):</b>  |
|  | <b>Date of Approval:</b>  |
| 19.Total ground coverage (m2)  | 2509.00   |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)                           | 36.54 % of Total plot area & 42.20% of Net plot area  |
| 21.Estimated cost of the project   | 916000000   |

## 22.Number of buildings & its configuration

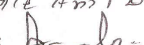
| Serial number                           | Building Name & number                                     | Number of floors | Height of the building (Mtrs) |
|---|--|------------------|-------------------------------|
| 1                                       | IT Building  | LB+UB+GR+6       | 29.55                         |
| 23.Number of tenants and shops          | Offices - 14 Nos   |                  |                               |
| 24.Number of expected residents / users | Office Users: 3109 Nos. Driver: 36 Nos. Visitors: 311 Nos. |                  |                               |

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**S.D.Aher (Secretary SEAC-III)**

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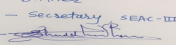
|   |                   |
|---|-------------------|
| 25.Tenant density per hectare   | NA                |
| 26.Height of the building(s)  |                   |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | 45 m wide DP road |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 9 m               |
| 29.Existing structure (s) if any  | NA                |
| 30.Details of the demolition with disposal (If applicable)  | NA                |

### 31.Production Details

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

### 32.Total Water Requirement

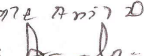
|             |  |                   |
|-------------|--|-------------------|
| Dry season: | Source of water                              | PMC               |
|             | Fresh water (CMD):                           | 218.50 (One Time) |
|             | Recycled water - Flushing (CMD):             | 49.00             |
|             | Recycled water - Gardening (CMD):            | 7.00              |
|             | Swimming pool make up (Cum):                 | NA                |
|             | Total Water Requirement (CMD):               | 97.50             |
|             | Fire fighting - Underground water tank(CMD): | 100.00            |
|             | Fire fighting - Overhead water tank(CMD):    | 20.00             |
|             | Excess treated water                         | 4.10              |

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|             |  |                   |
|-------------|--|-------------------|
| Wet season: | Source of water                              | PMC               |
|             | Fresh water (CMD):                           | 211.50 (One Time) |
|             | Recycled water - Flushing (CMD):             | 49.00             |
|             | Recycled water - Gardening (CMD):            | 0.00              |
|             | Swimming pool make up (Cum):                 | NA                |
|             | Total Water Requirement (CMD) :              | 97.50             |
|             | Fire fighting - Underground water tank(CMD): | 100.00            |
|             | Fire fighting - Overhead water tank(CMD):    | 20.00             |
|             | Excess treated water                         | 11.10             |

Details of Swimming pool (If any)

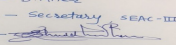
NA

### 33.Details of Total water consumed

| Particulars | Consumption (CMD) |                |                | Loss (CMD)     |                |                | Effluent (CMD) |                |                |
|-------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|             | 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 |

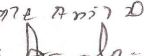

34.Rain Water Harvesting (RWH)

|  |  |
|--|--|
| Level of the Ground water table:         | Pre Monsoon- 6.15 m BGL, Post Monsoon- 3.15 m BGL  |
| Size and no of RWH tank(s) and Quantity: | 50 m3  |
| Location of the RWH tank(s):             | -  |
| Quantity of recharge pits:               | 9 Nos.   |
| Size of recharge pits :                  | 2 m. X 2 m. X 2 m  |
| Budgetary allocation (Capital cost) :    | Rs 3.00 Lakh   |
| Budgetary allocation (O & M cost) :      | Rs. 0.40 Lakh /Year  |
| Details of UGT tanks if any :            | Domestic UG tank Capacity : 146.25 m3<br>Flushing UG tank Capacity : 83.00 m3<br>Fire UG tank Capacity : 100.00 m3 |

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|                         |                                 |              |
|-------------------------|---------------------------------|--------------|
| 35.Storm water drainage | Natural water drainage pattern: | -            |
|                         | Quantity of storm water:        | 6.34 m3 /Min |
|                         | Size of SWD:                    | 300 mm       |

|                        |                                      |                   |
|------------------------|--------------------------------------|-------------------|
| Sewage and Waste water | Sewage generation in KLD:            | 131.85            |
|                        | STP technology:                      | MBBR              |
|                        | Capacity of STP (CMD):               | 139.00            |
|                        | Location & area of the STP:          | -                 |
|                        | Budgetary allocation (Capital cost): | Rs.35.00 Lakh     |
|                        | Budgetary allocation (O & M cost):   | Rs 6.94 Lakh/Year |

### 36.Solid waste Management

|  |  |                   |
|--|--|-------------------|
| Waste generation in the Pre Construction and Construction phase: | Waste generation:                          | 30 kg/day         |
|  | Disposal of the construction waste debris: | Use for Leveling. |

|  |                                   |               |
|--|-----------------------------------|---------------|
| Waste generation in the operation Phase: | Dry waste:                        | 518.00 kg/day |
|  | Wet waste:                        | 346.00 kg/day |
|  | Hazardous waste:                  | NA            |
|  | Biomedical waste (If applicable): | NA            |
|  | STP Sludge (Dry sludge):          | 11.84 kg/day  |
|  | Others if any:                    | NA            |

|                            |                                   |                                       |
|----------------------------|-----------------------------------|---------------------------------------|
| Mode of Disposal of waste: | Dry waste:                        | SWACH                                 |
|                            | Wet waste:                        | Organic waste converter               |
|                            | Hazardous waste:                  | NA                                    |
|                            | Biomedical waste (If applicable): | NA                                    |
|                            | STP Sludge (Dry sludge):          | Used as Manure after treatment in OWC |
|                            | Others if any:                    | NA                                    |

|                   |   |       |
|-------------------|---|-------|
| Area requirement: | Location(s):                                    | -     |
|                   | Area for the storage of waste & other material: | 45 M2 |
|                   | Area for machinery:                             | 15 M2 |

|   |               |                    |
|---|---------------|--------------------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 14.75 Lakh     |
|   | O & M cost:   | Rs. 3.04 Lakh/year |

### 37.Effluent Charecterestics

| Serial Number | Parameters | Unit | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|---------------|------------|------|--------------------------------|---------------------------------|-------------------------------------|
|---------------|------------|------|--------------------------------|---------------------------------|-------------------------------------|

|   |   |                      |  |
|---|---|----------------------|--|
| Name - S.D.Aher<br>Designation - Secretary SEAC-III<br>Sign - <br><b>S.D.Aher (Secretary SEAC-III)</b> | <b>SEAC Meeting No: 64 Meeting Date: March 19, 2018</b> | <b>Page 42 of 58</b> | Name: K. Anil Kale<br>Signature: <br><b>Shri. Anil Kale (Chairman SEAC-III)</b> |
|---|---|----------------------|--|

|                                       |                |                |                |                |                |
|---------------------------------------|----------------|----------------|----------------|----------------|----------------|
| 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 |                |                |                |

### 38.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     |

### 39.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-1.0 MVA- 3 Nos. | HSD-110 Lit/hrs         | S-1,S-2,S-3 | 32.55                        | to be provided        | to be provided         |

### 40.Details of Fuel to be used

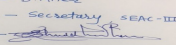
| Serial Number                             | Type of Fuel | Existing   | Proposed    | Total       |
|---|--------------|--|-------------|-------------|
| 1   | HSD          | Not applicable   | 110 Lit/hrs | 110 Lit/hrs |
| 41.Source of Fuel                         |              | Hindustan petroleum corporation limited/Bharat Petroleum |             |             |
| 42.Mode of Transportation of fuel to site |              | By Roadway   |             |             |

### 43.Green Belt Development

|  |                       |
|--|-----------------------|
| <b>Total RG area :</b>                         | 780.00 m <sup>2</sup> |
| <b>No of trees to be cut :</b>                 | NA                    |
| <b>Number of trees to be planted :</b>         | 104 Nos.              |
| <b>List of proposed native trees :</b>         | -                     |
| <b>Timeline for completion of plantation :</b> | Mid of construction   |

### 44.Number and list of trees species to be planted in the ground

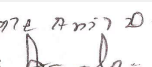

| Serial Number | Name of the plant | Common Name   | Quantity | Characteristics & ecological importance                                     |
|---------------|-------------------|---------------|----------|---|
| 1             | Cassia fistula    | Golden Shower | 03       | Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant |
| 2             | Pongamia pinnata  | Karanj        | 11       | Shady tree.   |
| 3             | Syzygium cumini   | Jamun         | 03       | Fruit tree  |
| 4             | Mangifera indica  | Mango         | 03       | Shady fruit tree.   |

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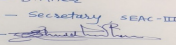
|    |                                |                 |    |  |
|----|--------------------------------|-----------------|----|--|
| 5  | Michelia Champaca              | Son Chapha      | 22 | Medium sized evergreen tree, Shady tree. fragment flower   |
| 6  | Manilkara zapota               | Chikku          | 04 | Fruit tree   |
| 7  | Casuarina equisetifolia        | Whistling tree  | 16 | It is an evergreen tree with a soft wispy pine-like appearance   |
| 8  | Cordea subestina               | Scarlet Cordia  | 02 | Ornamental, flowering tree   |
| 9  | Lagerstroemia flosregineae     | Crape Myrtle    | 03 | State flower tree of Maharashtra<br>Medium sized tree, beautiful purple flowers  |
| 10 | Tabebuia argentea              | Golden Bell     | 02 | The nectar of Tabebuia flowers is an important food source for several species of bees   |
| 11 | Tabebuia rosea                 | Trumpet tree    | 02 | It is a popular ornamental tree in subtropical and tropical regions, grown for its spectacular flower display on leafless shoots at the end of the dry season. |
| 12 | Bauhinia blakeana              | Kanchan         | 06 | This is a very popular ornamental tree in subtropical and tropical climates, grown for its scented flowers and also used as food item                          |
| 13 | Spathodia                      | Pichkari tree   | 07 | This tree is planted extensively as an ornamental tree and is much appreciated for its very showy reddish-orange or crimson                                    |
| 14 | Anthocephallus cadamba         | Kadam           | 03 | Shady, large tree, ball shaped flowers   |
| 15 | Thevetia peruviana             | Yellow Oleander | 08 | Evergreen Tropical shrub or small tree bears yellow trumpet like flowers.  |
| 16 | Terminalia catappa             | Khota Badam     | 09 | Shady tree   |
| 17 | Over and above-Roystonea regia | Royal palm      | 09 | Ornamental plant   |
| 18 | Wodytia bifurcata              | Foxtail palm    | 10 | Ornamental plant   |

**45.Total quantity of plants on ground**

**46.Number and list of shrubs and bushes species to be planted in the podium RG:**

| Serial Number | Name | C/C Distance | Area m2 |
|---------------|------|--------------|---------|
| 1             | -    | -            | -       |

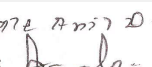

**47.Energy**

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|                           |  |                 |
|---------------------------|--|-----------------|
| <b>Power requirement:</b> | <b>Source of power supply :</b>                                      | MSEDCL          |
|                           | <b>During Construction Phase: (Demand Load)</b>                      | 49 KW           |
|                           | <b>DG set as Power back-up during construction phase</b>             | 125 KVA         |
|                           | <b>During Operation phase (Connected load):</b>                      | 3685.09 KW      |
|                           | <b>During Operation phase (Demand load):</b>                         | 2335.26 KW      |
|                           | <b>Transformer:</b>  | 1.5 MVA - 2 Nos |
|                           | <b>DG set as Power back-up during operation phase:</b>               | 1.0 MVA - 3 Nos |
|                           | <b>Fuel used:</b>  | 110 Liters/Hr.  |
|                           | <b>Details of high tension line passing through the plot if any:</b> | No              |

#### 48. Energy saving by non-conventional method:

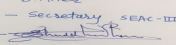
Replacing T8 fitting in stair case with T5.  
 Replacing 2 x 18W Down lighter in lift lobby with 24W LED.  
 Replacing 70W MHL Street lights with 24W LED.  
 Providing 20% of Street lights on solar.  
 Replacing normal lighting with LED for Landscape.  
 Using VFD's for Lift machines, we can save 10% of consumption.  
 By using Energy efficient motors, we can save 10% of energy.  
 By using Energy efficient motors, we can save 10% of energy.

#### 49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures                                  | Saving % |
|---------------|---|----------|
| 1             | Landscape Lighting (LED Lighting instead of Normal)           | 20.00%   |
| 2             | VFD's on Lifts  | 10.00%   |
| 3             | External Lighting (Solar as well LED instead of Metal Halide) | 31.429%  |
| 4             | Plumbing Plant room pumps                                     | 10.00%   |
| 5             | STP   | 10.00%   |
| 6             | Building( Lift lobby, Staircase)                              | 43.76%   |

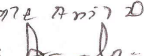

#### 50. Details of pollution control Systems

| 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. |

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|             |   |   |
|-------------|---|---|
| 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 64.21 Lakh      |
|   | O & M cost:   | Rs 12.84 Lakh/year |

## 51.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                  | -           | 35.00                    | 6.94  |
| 2             | RWH                  | -           | 3.00                     | 0.40  |
| 3             | MSW                  | -           | 14.75                    | 3.04  |
| 4             | Energy System        | -           | 64.21                    | 12.84   |
| 5             | Solar PV Panel       | -           | 40.00                    | 1.60  |
| 6             | Landscaping          | -           | 55.35                    | 6.00  |
| 7             | Safety Equipment     | -           | 10.00                    | 2.00  |
| 8             | Post EC Monitoring   | -           | -                        | 2.50  |
| 9             | Dry Waste Management | -           | -                        | 1.00  |

## 51.Storage of chemicals (inflamable/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          |

## 52.Any Other Information

|   |   |                      |  |
|---|---|----------------------|--|
| Name - S.D.Aher<br>Designation - Secretary SEAC-III<br>Sign -  | <b>SEAC Meeting No: 64 Meeting Date: March 19, 2018</b> | <b>Page 46 of 58</b> | Name: K. Anil Kale<br>Signature: <br><b>Shri. Anil Kale (Chairman SEAC-III)</b> |
|---|---|----------------------|--|

No Information Available

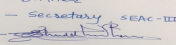
### 53.Traffic Management

|                  |   |             |
|------------------|---|-------------|
|                  | Nos. of the junction to the main road & design of confluence:   | -           |
| Parking details: | Number and area of basement:  | NA          |
|                  | Number and area of podia:   | NA          |
|                  | Total Parking area:   | 11676.60 m2 |
|                  | Area per car:   | 38.40 m2    |
|                  | Area per car:   | 38.40 m2    |
|                  | Number of 2-Wheelers as approved by competent authority:  | 752         |
|                  | Number of 4-Wheelers as approved by competent authority:  | 304         |
|                  | Public Transport:   | NA          |
|                  | Width of all Internal roads (m):  | 6 m         |
|                  | CRZ/ RRZ clearance obtain, if any:  | NA          |
|                  | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | NA          |
|                  | Category as per schedule of EIA Notification sheet  | 8(a)        |
|                  | Court cases pending if any  | NA          |
|                  | Other Relevant Informations   | NA          |
|                  | Have you previously submitted Application online on MOEF Website.                                       | No          |
|                  | Date of online submission   | -           |

### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

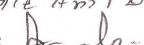
### Brief information of the project by SEAC

Name - S.D.Aher  
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**S.D.Aher (Secretary SEAC-III)**

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Signature: 

**Shri. Anil Kale (Chairman SEAC-III)**

Environment Clearance for for project at Survey no 12, H no 1/1+1/2C, Opposite Lafarge Concrete Plant, Solapur By-pass Road, Kharadi, Tehsil-Haveli, Dist-Pune-411014 by **M/s Monotype Grihanirman Pvt. Ltd.**

### DECISION OF SEAC

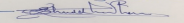
**PP remained absent, hence committee decided to defer the proposal.**

Specific Conditions by SEAC:

### FINAL RECOMMENDATION

SEAC-III decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

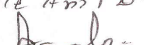
SEAC-AGENDA-00000000056

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Signature: 

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## 64 th Meeting of SEAC-3

**SEAC Meeting number: 64 Meeting Date March 19, 2018**

**Subject:** Environment Clearance for Proposed Residential Project "Optima Heights "

**Is a Violation Case:** No

|  |  |
|--|--|
| 1.Name of Project  | Optima Heights   |
| 2.Type of institution  | Private  |
| 3.Name of Project Proponent  | Mr. Prithviraj P. Solanke  |
| 4.Name of Consultant   | VK:e environmental LLP , Pune  |
| 5.Type of project  | Group Housing Project  |
| 6.New project/expansion in existing project/modernization/diversification in existing project          | Expansion in Existing Project  |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Yes  |
| 8.Location of the project  | Gat no 459(part)+460(part)+461+462(part) Village - Kesnand, Taluka - Haveli,, District-Pune , Maharashtra, Pune. |
| 9.Taluka   | Haveli   |
| 10.Village   | Kesnand  |
| Correspondence Name:   | NA   |
| Room Number:   | NA   |
| Floor:   | NA   |
| Building Name:   | NA   |
| Road/Street Name:  | NA   |
| Locality:  | NA   |
| City:  | NA   |
| 11.Area of the project   | PMRDA  |
| 12.IOD/IOA/Concession/Plan Approval Number   | CC_388/17-18   |
|  | <b>IOD/IOA/Concession/Plan Approval Number:</b> CC no_388/17-18  |
|  | <b>Approved Built-up Area:</b> 00  |
| 13.Note on the initiated work (If applicable)  | As per EC received , Construction of 24277.6 sq.m has been done  |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)   | NA   |
| 15.Total Plot Area (sq. m.)  | 38800  |
| 16.Deductions  | .....  |
| 17.Net Plot area   | 27919.86   |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI)  | a) FSI area (sq. m.): 46976.41   |
|  | b) Non FSI area (sq. m.): 39892.37   |
|  | c) Total BUA area (sq. m.): 86868.78   |
| 18 (b).Approved Built up area as per DCR   | Approved FSI area (sq. m.):  |
|  | Approved Non FSI area (sq. m.):  |
|  | Date of Approval:  |
| 19.Total ground coverage (m2)  | 8563.46  |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)                           | 30.67 % On net plot area   |
| 21.Estimated cost of the project   | 1383800000   |

## 22.Number of buildings & its configuration

|  |  |                                 |  |
|--|--|---------------------------------|--|
| <p>Name - S.D.Aher<br/>Designation - Secretary SEAC-III<br/>Sign - </p> <p><b>S.D.Aher (Secretary SEAC-III)</b></p> | <p><b>SEAC Meeting No: 64 Meeting Date: March 19, 2018</b></p> | <p><b>Page 49<br/>of 58</b></p> | <p>Name: K. Anil D.<br/>Signature: </p> <p><b>Shri. Anil Kale (Chairman SEAC-III)</b></p> |
|--|--|---------------------------------|--|

| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------|------------------|-------------------------------|
| 1             | B Building             | G+12             | 37.20                         |
| 2             | C Building             | G+12             | 37.70                         |
| 3             | D Building             | G+12             | 37.70                         |
| 4             | Club House 1           | P+2              | 10.95                         |
| 5             | E Building             | G+P+14           | 44.50                         |
| 6             | F Building             | B+G+P+14         | 44.50                         |
| 7             | G Building             | B+G+P+16         | 50.20                         |
| 8             | Club House 2           | P+2              | 10.95                         |

|   |   |
|---|---|
| 23.Number of tenants and shops  | 804   |
| 24.Number of expected residents / users   | 4020  |
| 25.Tenant density per hectare   | 207   |
| 26.Height of the building(s)  |   |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | 15 Mtr. wide (Nearest Fire Station - Yerawada fire station)   |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 9 mtr   |
| 29.Existing structure (s) if any  | As per EC received , Construction of 24277.6 sq.m has been done _Building B,C,D and club house 1 has been completed . |
| 30.Details of the demolition with disposal (If applicable)  | Temporary sheds for housing of labours and material storage will be demolished during construction phase              |

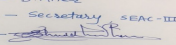
### 31.Production Details

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

### 32.Total Water Requirement

|  |  |                             |   |
|--|--|-----------------------------|---|
| <p>Name - S.D.Aher<br/>         Designation - Secretary SEAC-III<br/>         Sign </p> <p><b>S.D.Aher (Secretary SEAC-III)</b></p> | <p><b>SEAC Meeting No: 64 Meeting Date: March 19, 2018</b></p> | <p><b>Page 50 of 58</b></p> | <p>Name: K. Anil Kale<br/>         Signature: </p> <p><b>Shri. Anil Kale (Chairman SEAC-III)</b></p> |
|--|--|-----------------------------|---|

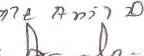

| Dry season:                               | Source of water                              | Kesnand Grampanchayat |                |                |                |                |                |                |                |
|---|--|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|   | Fresh water (CMD):                           | 372                   |                |                |                |                |                |                |                |
|   | Recycled water - Flushing (CMD):             | 181                   |                |                |                |                |                |                |                |
|   | Recycled water - Gardening (CMD):            | 18                    |                |                |                |                |                |                |                |
|   | Swimming pool make up (Cum):                 | 00                    |                |                |                |                |                |                |                |
|   | Total Water Requirement (CMD) :              | 571                   |                |                |                |                |                |                |                |
|   | Fire fighting - Underground water tank(CMD): | 300                   |                |                |                |                |                |                |                |
|   | Fire fighting - Overhead water tank(CMD):    | 220                   |                |                |                |                |                |                |                |
|   | Excess treated water                         | 274                   |                |                |                |                |                |                |                |
| Wet season:                               | Source of water                              | Kesnand Grampanchayat |                |                |                |                |                |                |                |
|   | Fresh water (CMD):                           | 372                   |                |                |                |                |                |                |                |
|   | Recycled water - Flushing (CMD):             | 181                   |                |                |                |                |                |                |                |
|   | Recycled water - Gardening (CMD):            | 00                    |                |                |                |                |                |                |                |
|   | Swimming pool make up (Cum):                 | 00                    |                |                |                |                |                |                |                |
|   | Total Water Requirement (CMD) :              | 553                   |                |                |                |                |                |                |                |
|   | Fire fighting - Underground water tank(CMD): | 300                   |                |                |                |                |                |                |                |
|   | Fire fighting - Overhead water tank(CMD):    | 220                   |                |                |                |                |                |                |                |
|   | Excess treated water                         | 292                   |                |                |                |                |                |                |                |
| Details of Swimming pool (If any)         | NA   |                       |                |                |                |                |                |                |                |
| <b>33.Details of Total water consumed</b> |  |                       |                |                |                |                |                |                |                |
| Particulars                               | Consumption (CMD)                            |                       |                | Loss (CMD)     |                |                | Effluent (CMD) |                |                |
|   | Existing                                     | Proposed              | Total          | Existing       | Proposed       | Total          | Existing       | Proposed       | Total          |
| Water Requirement                         | Not applicable                               | Not applicable        | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Domestic                                  | Not applicable                               | Not applicable        | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

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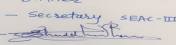
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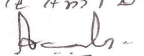
|   |   |   |
|---|---|---|
| <b>34.Rain Water Harvesting (RWH)</b>                                   | <b>Level of the Ground water table:</b>           | 6-8 m bgl   |
|   | <b>Size and no of RWH tank(s) and Quantity:</b>   | NA  |
|   | <b>Location of the RWH tank(s):</b>               | NA  |
|   | <b>Quantity of recharge pits:</b>                 | 4 recharge pits and 4 recharge shafts   |
|   | <b>Size of recharge pits :</b>                    | 1.2m x1.2m x4 m   |
|   | <b>Budgetary allocation (Capital cost) :</b>      | 1300000   |
|   | <b>Budgetary allocation (O &amp; M cost) :</b>    | 230000  |
|   | <b>Details of UGT tanks if any :</b>              | Total Capacity of UGWT FOR B,C,D Building =(Capacity 450 m3)<br>Total Capacity of UGWT FOR E,F,G Building=(Capacity 455 m3)               |
| <b>35.Storm water drainage</b>  | <b>Natural water drainage pattern:</b>            | NA  |
|   | <b>Quantity of storm water:</b>                   | 14892.84 m3/year  |
|   | <b>Size of SWD:</b>                               | 300 mm  |
| <b>Sewage and Waste water</b>   | <b>Sewage generation in KLD:</b>                  | 498   |
|   | <b>STP technology:</b>                            | STP 1_Phytorid Technology , STP 2_MMBR Technology   |
|   | <b>Capacity of STP (CMD):</b>                     | 2 no. of STP .& capacity of STP 1_ 225 KLD , STP 2_370 KLD  |
|   | <b>Location &amp; area of the STP:</b>            | STP 1 is in Phase 1 _near D building and STP 2 is in phase 2 near G building _Total Area is 385 sqm                                       |
|   | <b>Budgetary allocation (Capital cost):</b>       | 16833000  |
|   | <b>Budgetary allocation (O &amp; M cost):</b>     | 1465000   |
| <b>36.Solid waste Management</b>  |   |   |
| <b>Waste generation in the Pre Construction and Construction phase:</b> | <b>Waste generation:</b>                          | 20 kg /day (Dry + Wet)  |
|   | <b>Disposal of the construction waste debris:</b> | The entire construction waste will be used within the site for leveling purposes and base course preparation of internal approach roads . |
| <b>Waste generation in the operation Phase:</b>                         | <b>Dry waste:</b>                                 | 804 kg/day  |
|   | <b>Wet waste:</b>                                 | 1206 kg/day   |
|   | <b>Hazardous waste:</b>                           | NA  |
|   | <b>Biomedical waste (If applicable):</b>          | Na  |
|   | <b>STP Sludge (Dry sludge):</b>                   | 46.10 kg /day   |
|   | <b>Others if any:</b>                             | NA  |

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|  |  |  |
|--|--|--|
| <b>Mode of Disposal of waste:</b>                            | <b>Dry waste:</b>  | Handed over to authorized recycler for further handling & disposal purpose . |
|  | <b>Wet waste:</b>  | Wet waste will be treated on onsite OWC                                      |
|  | <b>Hazardous waste:</b>                                    | NA   |
|  | <b>Biomedical waste (If applicable):</b>                   | NA   |
|  | <b>STP Sludge (Dry sludge):</b>                            | Will be Used as manure   |
|  | <b>Others if any:</b>                                      | NA   |
| <b>Area requirement:</b>                                     | <b>Location(s):</b>  | Machine 1= Near D building , Machine 2=Near G building.                      |
|  | <b>Area for the storage of waste &amp; other material:</b> | 100 sqm.   |
|  | <b>Area for machinery:</b>                                 | Machine 1= 3 m x4 m, Machine 2=3 m x 4m                                      |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>                                       | 4725000  |
|  | <b>O &amp; M cost:</b>                                     | 1123000  |

### 37.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 |                                |                                 |                                     |

### 38.Hazardous Waste Details

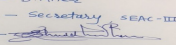
| Serial Number | Description    | Cat            | UOM            | Existing       | Proposed       | Total          | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1             | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable     |

### 39.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             | 1 DG set of 82.5 KVA | At 100% load 11.53 ltr /hr | 1         | 2                            | 10 cm                 | 500 deg. celsius       |
| 2             | 1 DG set of 100 KVA  | At 100% load 18.4 ltr /hr  | 1         | 2.5                          | 10 cm                 | 553 deg. celsius       |

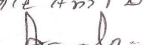
### 40.Details of Fuel to be used

| Serial Number | Type of Fuel | Existing       | Proposed       | Total          |
|---------------|--------------|----------------|----------------|----------------|
| 1             | LSD          | Not applicable | Not applicable | Not applicable |

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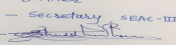
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|  |                                    |
|--|------------------------------------|
| 41.Source of Fuel                              | Near fuel pump                     |
| 42.Mode of Transportation of fuel to site      | By Road                            |
| <b>43.Green Belt Development</b>               |                                    |
| <b>Total RG area :</b>                         | 3274.42                            |
| <b>No of trees to be cut :</b>                 | 00                                 |
| <b>Number of trees to be planted :</b>         | 166                                |
| <b>List of proposed native trees :</b>         | Refer Below list:                  |
| <b>Timeline for completion of plantation :</b> | Till the end of construction phase |

#### 44.Number and list of trees species to be planted in the ground

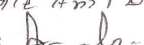
| Serial Number | Name of the plant       | Common Name      | Quantity | Characteristics & ecological importance   |
|---------------|-------------------------|------------------|----------|---|
| 1             | Bauhinia                | Kanchan          | 05       | Large Flowers ,Large, Evergreen   |
| 2             | Couroupita guianesis    | Kailaspati       | 06       | -   |
| 3             | Erythrina Indica        | Pangara          | 06       | Medium sized deciduous tree, Bright scarlet flowers   |
| 4             | Casia Fistula           | Bahava           | 06       | Medium sized deciduous tree, beautiful yellow flowers, butterfly host plant                     |
| 5             | Citrus reticulate       | Santra           | 04       | Medium sized fruit bearing tree   |
| 6             | Psidium Guajava         | Peru             | 06       | Small evergreen tree good for roadside plantation   |
| 7             | Azadiracta Indica       | Neem             | 28       | Large tree fruit bearing , Good for roadside plantation   |
| 8             | Mimusops Elengi         | Bakul            | 06       | large tree good for roadside plantation   |
| 9             | Cassia glauca           | cassia           | 06       | Tall shrub with yellow flowers  |
| 10            | Bauhinia Blackania      | Hong kong Orchid | 14       | Large deciduous tree ,flowers attracts many birds   |
| 11            | Dillenia Indica         | Karmal           | 06       | Large deciduous tree.   |
| 12            | Bauhinia recemosa       | Apta             | 06       | Ornamental tree   |
| 13            | Albizzia Lebbek         | Shirish          | 41       | Shady, Large tree   |
| 14            | Butea monosperma        | Palas            | 16       | Small deciduous tree, Dark orange coloured flower   |
| 15            | Nyctanthes arbortristis | Parijatak        | 06       | Small deciduous tree, small white coloured  |
| 16            | Anthocephalus cadamba   | Kadamb           | 05       | Shady, large tree, ball shaped flowers  |
| 17            | Lagerstromia Speciosa   | Tamhan           | 60       | STATE FLOWER TREE of maharashtra , medium size tree , beautiful purple coloured flower coloured |
| 18            | Michelia Champaka       | Pivala Chafa     | 06       | Medium sized evergreen tree , Fragrant yellow flowers , butterfly host plant                    |
| 19            | Swetania Mohagani       | Mohagani         | 06       | Medium sized evergreen tree   |

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|    |                          |                  |    |  |
|----|--------------------------|------------------|----|--|
| 20 | Saraka Indica            | Sita Ashoka      | 05 | Evergreen Medicinal Plant  |
| 21 | Pterospermum acerifolium | Mukund           | 03 | Medium sized evergreen tree. fragrant flowers  |
| 22 | Mangifera Indica         | Mango            | 11 | Small Deciduous fruit bearing tree   |
| 23 | Peltophorum afracantum   | Copper pod tree  | 06 | Tall deciduous tree, good for roadside plantation  |
| 24 | Syzygium cumini          | Jambhul          | 06 | Large tree with large spreading crown  |
| 25 | Terminalia arjuna        | Arjun            | 06 | Large deciduous tree. Large spreading crown  |
| 26 | Boringtonia Acutangula   | Newer            | 06 | Evergreen tree , medicinal plant   |
| 27 | Sara Indica              | -                | 30 | A Large size trees with large foliage provide shade along road , wood is water resistant |
| 28 | Millingtonia Hortensis   | Indian cork tree | 34 | A coloumner , evergreen tree grows well in both dry and moist regions                    |
| 29 | Jacaranda mimosifolia    | Jacaranda        | 27 | Medium size gracious deciduous, flowering treewhich prefers moderate climate             |
| 30 | Terminalia Catappa       | Badam            | 20 | Tall deciduous , fruit bearing   |
| 31 | Casia Fistula            | golden Shower    | 21 | Small hardy tree   |

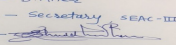
**45.Total quantity of plants on ground**

**46.Number and list of shrubs and bushes species to be planted in the podium RG:**

| Serial Number | Name | C/C Distance | Area m2 |
|---------------|------|--------------|---------|
| 1             | NA   | NA           | NA      |

**47.Energy**

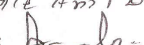
|                           |  |                                    |
|---------------------------|--|------------------------------------|
| <b>Power requirement:</b> | <b>Source of power supply :</b>                                      | MSEDCL                             |
|                           | <b>During Construction Phase: (Demand Load)</b>                      | 22 KW                              |
|                           | <b>DG set as Power back-up during construction phase</b>             | 1 nos. X 35 KVA                    |
|                           | <b>During Operation phase (Connected load):</b>                      | 3305.74 KW                         |
|                           | <b>During Operation phase (Demand load):</b>                         | 1764.07 KVA                        |
|                           | <b>Transformer:</b>  | 2nos. X 315 KVA +2nos. X 630 KVA   |
|                           | <b>DG set as Power back-up during operation phase:</b>               | 1 nos. X 82.5 KVA+1 nos. X 100 KVA |
|                           | <b>Fuel used:</b>  | LSD                                |
|                           | <b>Details of high tension line passing through the plot if any:</b> | NA                                 |

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**48. Energy saving by non-conventional method:**

Solar energy

**49. Detail calculations & % of saving:**

| Serial Number | Energy Conservation Measures   | Saving % |
|---------------|--------------------------------|----------|
| 1             | Solar hot water                | 46%      |
| 2             | Light fitting and Timer saving | 60%      |
| 3             | Solar PV Panel System          | 15%      |
| 4             | Total Project saving           | 17%      |

**50. Details of pollution control Systems**

| Source         | Existing pollution control system | Proposed to be installed |
|----------------|-----------------------------------|--------------------------|
| Not applicable | Not applicable                    | Not applicable           |

|  |                        |         |
|--|------------------------|---------|
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>   | 7891000 |
|  | <b>O &amp; M cost:</b> | 704000  |

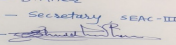
**51. Environmental Management plan Budgetary Allocation****a) Construction phase (with Break-up):**

| Serial Number | Attributes             | Parameter   | Total Cost per annum (Rs. In Lacs) |
|---------------|------------------------|---|------------------------------------|
| 1             | Air Environment        | Erosion control , Dust suppression measures , barricading and top soil preservation | 4.68                               |
| 2             | Land                   | Labour camp toilets & sanitation  | 4.8                                |
| 3             | Health and safety      | Health check up & Disinfection  | 0.45                               |
| 4             | Environment Management | Environment management cell   | 0.3                                |

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

| Serial Number | Component                | Description                            | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|--------------------------|--|--------------------------|---|
| 1             | Sewage treatment plant   | 02 STP 's (Phytorid +MMBR)             | 168.33                   | 14.65   |
| 2             | Organic waste management | 2 OWC Machine                          | 47.25                    | 11.23   |
| 3             | Landscaping              | Development and Maintenance            | 10.86                    | 0.87  |
| 4             | Rain water harvesting    | 4 recharge pits+ 4 Recharge Shafts     | 13                       | 2.3   |
| 5             | Energy                   | Hot Water , PV panels for Street Light | 78.91                    | 7.04  |
| 6             | Environment Monitoring   | -                                      | -                        | 0.84  |

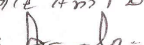
**51. Storage of chemicals (inflammable/explosive/hazardous/toxic substances)**

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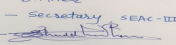
| Description    | Status         | Location       | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|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

### 52. Any Other Information

No Information Available

### 53. Traffic Management

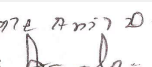
|                         |  |   |
|-------------------------|--|---|
|                         | <b>Nos. of the junction to the main road &amp; design of confluence:</b>                                       | The project site abuts a 15 m wide road, which connects to the SH27 Pune-Aurangabad Road .9 m internal roads for easy access of fire tender movement are provided |
| <b>Parking details:</b> | <b>Number and area of basement:</b>  | 1 no of basement and area is 2375.05 sqm  |
|                         | <b>Number and area of podia:</b>   | 1 no of Podium and area is 3569.13 sqm  |
|                         | <b>Total Parking area:</b>   | 21620.62  |
|                         | <b>Area per car:</b>   | 12.5  |
|                         | <b>Area per car:</b>   | 12.5  |
|                         | <b>Number of 2-Wheelers as approved by competent authority:</b>  | 1260  |
|                         | <b>Number of 4-Wheelers as approved by competent authority:</b>  | 330   |
|                         | <b>Public Transport:</b>   | NA  |
|                         | <b>Width of all Internal roads (m):</b>  | 9 m wide internal road is provided. 9 m turning radius will be provided   |
|                         | <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>  | 8a building and construction project  |
|                         | <b>Court cases pending if any</b>  | NA  |
|                         | <b>Other Relevant Informations</b>   | As per ec received building B,C,D and club house 1 has been completed on site and building E,F,G and club house 2 .for proposed expansion .                       |

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|  |  |    |
|--|--|----|
|  | <b>Have you previously submitted Application online on MOEF Website.</b> | No |
|  | <b>Date of online submission</b>   | -  |

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

### Brief information of the project by SEAC

Environment Clearance for Proposed Residential Project "Optima Heights "at Gat no 459(part)+460(part)+461+462(part) Village - Kesnand, Taluka - Haveli,, District-Pune ,Maharashtra, Pune.by **Optima Heights**.

PP submitted their application for prior Environmental clearance for expansion of the previous EC having total plot area of 27919.86 Sq. Mtrs, BUA of 86868.78 Sq. Mtrs and FSI area of 46976.41 Sq. Mtrs. PP proposes to construct 6 nos. of residential buildings, and 2 nos club house.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

### DECISION OF SEAC

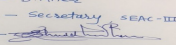
**SEAC decided to recommend the proposal for prior environmental Clearance, subject to PP complying with the above conditions.**

**Specific Conditions by SEAC:**

- 1) PP to upload undertaking for assured water supply.
- 2) PP to submit plan for OWC collection and waste management.
- 3) PP to submit terrace plan for installing solar panels& calculations of energy saving.
- 4) PP to upload parking layout plan.

### FINAL RECOMMENDATION

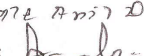
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

Name - S.D.Aher  
Designation - Secretary SEAC-III  
Sign 

**S.D.Aher (Secretary SEAC-III)**

**SEAC Meeting No: 64 Meeting Date: March 19, 2018**

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Name: K. Anil Kale  
Signature: 

**Shri. Anil Kale (Chairman SEAC-III)**