

**182nd Meeting of State Level Expert Appraisal Committee (SEAC-1)****SEAC Meeting number: 182nd -Day-1 Meeting Date March 14, 2020****Subject:** Environment Clearance for Expansion in existing distillery capacity from 30 KLPD to 45 KLPD**Is a Violation Case:** No

|                                                                                                               |                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1.Name of Project</b>                                                                                      | Expansion of distillery capacity from 30 KLPD to 45 KLPD RS/ENA/Ethanol based on molasses and establishing 45 KLPD Ethanol plant based on SDS (Special Denatured Spirit) at Village Kacharewadi, Tal. Mangalwedha, Dist. Solapur, Maharashtra-413 305 by M/s. Utopian Sugars Ltd. |
| <b>2.Type of institution</b>                                                                                  | Private                                                                                                                                                                                                                                                                           |
| <b>3.Name of Project Proponent</b>                                                                            | M/s. Utopian Sugars Limited                                                                                                                                                                                                                                                       |
| <b>4.Name of Consultant</b>                                                                                   | Dr. Subbarao's Environment Center                                                                                                                                                                                                                                                 |
| <b>5.Type of project</b>                                                                                      | Others                                                                                                                                                                                                                                                                            |
| <b>6.New project/expansion in existing project/modernization/diversification in existing project</b>          | Expansion in existing project                                                                                                                                                                                                                                                     |
| <b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b> | Yes, Received environment clearance for setting up of 30 KLPD Molasses based distillery Vide F. No. IA-J-11011/223/2015-IA-II(I) dated 11th January, 2019                                                                                                                         |
| <b>8.Location of the project</b>                                                                              | Survey No. 381,384, 385/1,385/2, 386, 387,389,96 Village Kacharewadi, Tal. Mangalwedha, District Solapur, Maharashtra- 413305                                                                                                                                                     |
| <b>9.Taluka</b>                                                                                               | Mangalwedha                                                                                                                                                                                                                                                                       |
| <b>10.Village</b>                                                                                             | Kacharewadi                                                                                                                                                                                                                                                                       |
| <b>Correspondence Name:</b>                                                                                   | M/s. Utopian Sugars Limited, ,                                                                                                                                                                                                                                                    |
| <b>Room Number:</b>                                                                                           | Village Kacharewadi                                                                                                                                                                                                                                                               |
| <b>Floor:</b>                                                                                                 | Tal. Mangalwedha,                                                                                                                                                                                                                                                                 |
| <b>Building Name:</b>                                                                                         | District Solapur,                                                                                                                                                                                                                                                                 |
| <b>Road/Street Name:</b>                                                                                      | Maharashtra,                                                                                                                                                                                                                                                                      |
| <b>Locality:</b>                                                                                              | pin- 413305                                                                                                                                                                                                                                                                       |
| <b>City:</b>                                                                                                  | Mangalwedha                                                                                                                                                                                                                                                                       |
| <b>11.Whether in Corporation / Municipal / other area</b>                                                     | Other Area                                                                                                                                                                                                                                                                        |
| <b>12.IOD/IOA/Concession/Plan Approval Number</b>                                                             | Not Applicable<br><b>IOD/IOA/Concession/Plan Approval Number:</b> Not Applicable<br><b>Approved Built-up Area:</b> 26346.92                                                                                                                                                       |
| <b>13.Note on the initiated work (If applicable)</b>                                                          | Not Applicable                                                                                                                                                                                                                                                                    |
| <b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>                                         | Not Applicable                                                                                                                                                                                                                                                                    |
| <b>15.Total Plot Area (sq. m.)</b>                                                                            | 344400 m2                                                                                                                                                                                                                                                                         |
| <b>16.Deductions</b>                                                                                          | 0 m2                                                                                                                                                                                                                                                                              |
| <b>17.Net Plot area</b>                                                                                       | 344400 m2                                                                                                                                                                                                                                                                         |
| <b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>                                                      | <b>a) FSI area (sq. m.):</b> 26346.92<br><b>b) Non FSI area (sq. m.):</b> 21852.73<br><b>c) Total BUA area (sq. m.):</b> 48199.65                                                                                                                                                 |
| <b>18 (b).Approved Built up area as per DCR</b>                                                               | <b>Approved FSI area (sq. m.):</b> 26346.92<br><b>Approved Non FSI area (sq. m.):</b> 21852.73<br><b>Date of Approval:</b> 03-03-2020                                                                                                                                             |
| <b>19.Total ground coverage (m2)</b>                                                                          | 48200                                                                                                                                                                                                                                                                             |
| <b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>                           | 13.99                                                                                                                                                                                                                                                                             |
| <b>21.Estimated cost of the project</b>                                                                       | 178100000                                                                                                                                                                                                                                                                         |

  
**Abhay Pimparkar (Secretary SEAC-I)****SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020****Page 1 of 52**  
**Dr. Umakant Dangat (Chairman SEAC-I)**

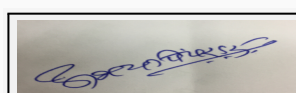
## 22.Number of buildings & its configuration

| Serial number                                                                                                                 | Building Name & number                                                                                                                    | Number of floors | Height of the building (Mtrs) |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------|
| 1                                                                                                                             | Not applicable                                                                                                                            | Not applicable   | Not applicable                |
| 23.Number of tenants and shops                                                                                                | Not applicable                                                                                                                            |                  |                               |
| 24.Number of expected residents / users                                                                                       | Not applicable                                                                                                                            |                  |                               |
| 25.Tenant density per hectare                                                                                                 | Not applicable                                                                                                                            |                  |                               |
| 26.Height of the building(s)                                                                                                  |                                                                                                                                           |                  |                               |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | Minimum road width provided is 6 meters.                                                                                                  |                  |                               |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | Minimum 9 meter turning radius is provided for all the roads for movement from all around the building excluding width for the plantation |                  |                               |
| 29.Existing structure (s) if any                                                                                              | Sugar Manufacturing area, Co-generation power plant, Storage area, ETP, STP, Utilities, 30 KLPD Distillery building etc.                  |                  |                               |
| 30.Details of the demolition with disposal (If applicable)                                                                    | No Demolition of building is involved. The wastage if any shall be used for filling low lying areas.                                      |                  |                               |

## 31.Production Details

| Serial Number | Product                                                | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|--------------------------------------------------------|-----------------|-----------------|--------------|
| 1             | Sugar                                                  | 12600           | 0               | 12600        |
| 2             | Rectified Spirit/ENA/Ethanol (KL/M)                    | 900             | 450             | 1350         |
| 3             | Electric Power (MW)                                    | 14.8 + 1.0      | 0.5             | 16.3         |
| 4             | Ethanol based on SDS (Special Denatured Spirit) (KL/M) | 00              | 1350            | 1350         |

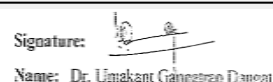
## 32.Total Water Requirement



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020

Page 2 of 52

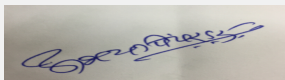


Dr. Umakant Dangat (Chairman SEAC-I)

|                                   |                                              |                                    |
|-----------------------------------|----------------------------------------------|------------------------------------|
| Dry season:                       | Source of water                              | 1*Existing and 1*proposed Borewell |
|                                   | Fresh water (CMD):                           | 89.1                               |
|                                   | Recycled water - Flushing (CMD):             | 0                                  |
|                                   | Recycled water - Gardening (CMD):            | 0                                  |
|                                   | Swimming pool make up (Cum):                 | 0                                  |
|                                   | Total Water Requirement (CMD) :              | 89.1                               |
|                                   | Fire fighting - Underground water tank(CMD): | 300                                |
|                                   | Fire fighting - Overhead water tank(CMD):    | 100                                |
|                                   | Excess treated water                         | 0                                  |
| Wet season:                       | Source of water                              | 1*Existing and 1*proposed Borewell |
|                                   | Fresh water (CMD):                           | 89.1                               |
|                                   | Recycled water - Flushing (CMD):             | 0                                  |
|                                   | Recycled water - Gardening (CMD):            | 0                                  |
|                                   | Swimming pool make up (Cum):                 | 0                                  |
|                                   | Total Water Requirement (CMD) :              | 89.1                               |
|                                   | Fire fighting - Underground water tank(CMD): | 300                                |
|                                   | Fire fighting - Overhead water tank(CMD):    | 100                                |
|                                   | Excess treated water                         | 0                                  |
| Details of Swimming pool (If any) | Not applicable                               |                                    |

### 33.Details of Total water consumed

| Particulars                | Consumption (CMD) |          |       | Loss (CMD) |          |       | Effluent (CMD) |          |       |
|----------------------------|-------------------|----------|-------|------------|----------|-------|----------------|----------|-------|
|                            | Existing          | Proposed | Total | Existing   | Proposed | Total | Existing       | Proposed | Total |
| Domestic                   | 3                 | 0        | 3     | 1          | 0        | 1     | 2              | 0        | 2     |
| Industrial Process         | 235.5             | 118.5    | 354   | 0          | 0        | 0     | 27             | 13.5     | 40.5  |
| Cooling tower & thermopack | 145               | 72.6     | 217.6 | 42         | 21       | 63    | 42             | 21       | 63    |



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020

Page 3 of 52

Signature:



Name: Dr. Umakant Dangat

Dr. Umakant Dangat (Chairman SEAC-I)

|                         |    |      |      |    |   |    |   |   |   |
|-------------------------|----|------|------|----|---|----|---|---|---|
| Fresh water requirement | 00 | 89.1 | 89.1 | 0  | 0 | 0  | 0 | 0 | 0 |
| Gardening               | 32 | 0    | 32   | 32 | 0 | 32 | 0 | 0 | 0 |

|                                       |                                                 |                                                               |
|---------------------------------------|-------------------------------------------------|---------------------------------------------------------------|
| <b>34.Rain Water Harvesting (RWH)</b> | <b>Level of the Ground water table:</b>         | Pre-monsoon from 20 m to 10m and Post-monsoon from 10 m to 8m |
|                                       | <b>Size and no of RWH tank(s) and Quantity:</b> | 8 Nos 8m*5m*3m                                                |
|                                       | <b>Location of the RWH tank(s):</b>             | Near factory Buildings and colony                             |
|                                       | <b>Quantity of recharge pits:</b>               | 8                                                             |
|                                       | <b>Size of recharge pits :</b>                  | 7.5 m * 4 m *1.5 m                                            |
|                                       | <b>Budgetary allocation (Capital cost) :</b>    | 3000000                                                       |
|                                       | <b>Budgetary allocation (O &amp; M cost) :</b>  | 200000                                                        |
|                                       | <b>Details of UGT tanks if any :</b>            | 300 KL                                                        |

|                                |                                        |             |
|--------------------------------|----------------------------------------|-------------|
| <b>35.Storm water drainage</b> | <b>Natural water drainage pattern:</b> | Plain       |
|                                | <b>Quantity of storm water:</b>        | 18170 m3/hr |
|                                | <b>Size of SWD:</b>                    | 0.30 m      |

|                               |                                               |                                 |
|-------------------------------|-----------------------------------------------|---------------------------------|
| <b>Sewage and Waste water</b> | <b>Sewage generation in KLD:</b>              | 32                              |
|                               | <b>STP technology:</b>                        | Primary and secondary treatment |
|                               | <b>Capacity of STP (CMD):</b>                 | 1 nos 50 KLD                    |
|                               | <b>Location &amp; area of the STP:</b>        | Near Colony                     |
|                               | <b>Budgetary allocation (Capital cost):</b>   | 6000000                         |
|                               | <b>Budgetary allocation (O &amp; M cost):</b> | 300000                          |

### 36.Solid waste Management

|                                                                         |                                                   |                                                                      |
|-------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------|
| <b>Waste generation in the Pre Construction and Construction phase:</b> | <b>Waste generation:</b>                          | Construction and demolition                                          |
|                                                                         | <b>Disposal of the construction waste debris:</b> | Filling low lying areas                                              |
| <b>Waste generation in the operation Phase:</b>                         | <b>Dry waste:</b>                                 | Fly/Boiler Ash (340 MT/M- Fly Ash, 270 MT/M- Incinerator Boiler Ash) |
|                                                                         | <b>Wet waste:</b>                                 | Pressmud= 3920 MT/M                                                  |
|                                                                         | <b>Hazardous waste:</b>                           | Distillery unit do not produce any hazardous waste                   |
|                                                                         | <b>Biomedical waste (If applicable):</b>          | Not Applicable                                                       |
|                                                                         | <b>STP Sludge (Dry sludge):</b>                   | 20 MT/ A                                                             |
|                                                                         | <b>Others if any:</b>                             | ETP Sludge = 28 MT/A                                                 |

|                                                              |                                                            |                                                                                                       |
|--------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Mode of Disposal of waste:</b>                            | <b>Dry waste:</b>                                          | Fly Ash- Sold to Brick Manufacturers , Incinerator Boiler Ash- Mixed with pressmud and sold as Manure |
|                                                              | <b>Wet waste:</b>                                          | Pressmud- Mixed with Incinerator boiler Ash and sold as Manure                                        |
|                                                              | <b>Hazardous waste:</b>                                    | Not Applicable                                                                                        |
|                                                              | <b>Biomedical waste (If applicable):</b>                   | Not Applicable                                                                                        |
|                                                              | <b>STP Sludge (Dry sludge):</b>                            | Used as soil conditioner or manure                                                                    |
|                                                              | <b>Others if any:</b>                                      | Used as soil conditioner or manure                                                                    |
| <b>Area requirement:</b>                                     | <b>Location(s):</b>                                        | Near Sugar Plant                                                                                      |
|                                                              | <b>Area for the storage of waste &amp; other material:</b> | 5000 m2                                                                                               |
|                                                              | <b>Area for machinery:</b>                                 | 10000 m2                                                                                              |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>                                       | 5000000                                                                                               |
|                                                              | <b>O &amp; M cost:</b>                                     | 450000                                                                                                |

### 37. Effluent Characteristics

| Serial Number                         | Parameters | Unit                                                                        | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|---------------------------------------|------------|-----------------------------------------------------------------------------|--------------------------------|---------------------------------|-------------------------------------|
| 1                                     | NA         | NA                                                                          | NA                             | NA                              | NA                                  |
| Amount of effluent generation (CMD):  |            | 523                                                                         |                                |                                 |                                     |
| Capacity of the ETP:                  |            | 550 (500 CMD CPU), (15 TPH Incinerator boiler for 40.5 TPD Conc. Spentwash) |                                |                                 |                                     |
| Amount of treated effluent recycled : |            | 482.5                                                                       |                                |                                 |                                     |
| Amount of water send to the CETP:     |            | 0                                                                           |                                |                                 |                                     |
| Membership of CETP (if require):      |            | Not applicable                                                              |                                |                                 |                                     |
| Note on ETP technology to be used     |            | Anaerobic digester followed by MEE followed by Incinerator boiler           |                                |                                 |                                     |
| Disposal of the ETP sludge            |            | Sold as Manure                                                              |                                |                                 |                                     |

### 38. Hazardous Waste Details

| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|-------------|-----|-----|----------|----------|-------|--------------------|
| 1             | NA          | NA  | NA  | 0        | 0        | 0     | NA                 |

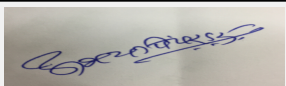
### 39. Stacks emission Details

| Serial Number | Section & units           | Fuel Used with Quantity                                    | Stack No. | Height from ground level (m) | Internal diameter (m) | Temp. of Exhaust Gases |
|---------------|---------------------------|------------------------------------------------------------|-----------|------------------------------|-----------------------|------------------------|
| 1             | 15 TPH Incinerator Boiler | Concentrated Spent wash (40.5 MT/D) and Bagasse (110 MT/D) | 1         | 72.5                         | 4.43                  | 180                    |

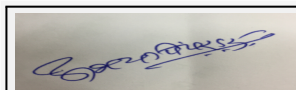
### 40. Details of Fuel to be used

| Serial Number | Type of Fuel           | Existing | Proposed  | Total     |
|---------------|------------------------|----------|-----------|-----------|
| 1             | Bagasse                | 0        | 111 MT/D  | 111 MT/D  |
| 2             | Concentrated Spentwash | 0        | 40.5 MT/D | 40.5 MT/D |

|                    |                                                                                        |
|--------------------|----------------------------------------------------------------------------------------|
| 41. Source of Fuel | Bagasse- Sugar Unit , Concentrated Spentwash- Distillery Unit, Biogas- Distillery unit |
|--------------------|----------------------------------------------------------------------------------------|

|                                                                                                                                  |                                                                   |                     |                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Abhay Pimparkar (Secretary SEAC-I)</b> | <b>SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020</b> | <b>Page 5 of 52</b> | Signature: <br>Name: Dr. Umakant Dangat<br><b>Dr. Umakant Dangat (Chairman SEAC-I)</b> |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                        |                                                |                          |                 |                                                           |
|----------------------------------------------------------------------------------------|------------------------------------------------|--------------------------|-----------------|-----------------------------------------------------------|
| 42.Mode of Transportation of fuel to site                                              |                                                | By Road (Captive Source) |                 |                                                           |
|                                                                                        |                                                |                          |                 |                                                           |
| <b>43.Green Belt Development</b>                                                       | <b>Total RG area :</b>                         | 11.48 Ha                 |                 |                                                           |
|                                                                                        | <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>         | Provided in Sr. no. v    |                 |                                                           |
|                                                                                        | <b>Timeline for completion of plantation :</b> | already developed        |                 |                                                           |
| <b>44.Number and list of trees species to be planted in the ground</b>                 |                                                |                          |                 |                                                           |
| <b>Serial Number</b>                                                                   | <b>Name of the plant</b>                       | <b>Common Name</b>       | <b>Quantity</b> | <b>Characteristics &amp; ecological importance</b>        |
| 1                                                                                      | Aegle marmelos                                 | Bel                      | 150             | Control Noise level, Dust Controller                      |
| 2                                                                                      | Azadirachta indica                             | Neem                     | 125             | Control Noise level, Absorb Gas Emission ,Dust Controller |
| 3                                                                                      | Delbergia sissoo                               | Shesham                  | 110             | Dust Controller                                           |
| 4                                                                                      | Ficus bengalensis                              | Banyan, Vad              | 50              | Control Noise level, Dust Controller                      |
| 5                                                                                      | Ficus religiosa                                | Peepal                   | 115             | Control Noise level, Absorb Gas Emission ,Dust Controller |
| 6                                                                                      | Syzygium cumini                                | Jamun                    | 165             | Control Noise level, Dust Controller                      |
| 7                                                                                      | Tamarindus indica                              | Emali                    | 180             | Control Noise level, Dust Controller                      |
| 8                                                                                      | Morus alba                                     | Shetur                   | 145             | Dust Controller                                           |
| 9                                                                                      | Terminalia arjuna                              | Arjun                    | 162             | Control Noise level, Absorb Gas Emission ,Dust Controller |
| 10                                                                                     | Phoenix sylvestris                             | Palm                     | 168             | Dust Controller                                           |
| 11                                                                                     | Anona squamosa                                 | Sitafal                  | 190             | Dust Controller                                           |
| <b>45.Total quantity of plants on ground</b>                                           |                                                |                          |                 |                                                           |
| <b>46.Number and list of shrubs and bushes species to be planted in the podium RG:</b> |                                                |                          |                 |                                                           |
| <b>Serial Number</b>                                                                   | <b>Name</b>                                    | <b>C/C Distance</b>      | <b>Area m2</b>  |                                                           |
| 1                                                                                      | Lantana Camara                                 | 5                        | 50              |                                                           |
| 2                                                                                      | Capparis decidua                               | 3                        | 50              |                                                           |
| 3                                                                                      | Calotropis gigantea                            | 5                        | 50              |                                                           |
| 4                                                                                      | Datura wrightii                                | 5                        | 50              |                                                           |
| 5                                                                                      | Ipomoea carnea                                 | 3                        | 50              |                                                           |
| 6                                                                                      | Roystonea regia                                | 5                        | 50              |                                                           |
| 7                                                                                      | Ficus benamina                                 | 3                        | 50              |                                                           |
| 8                                                                                      | Cycas rivoluta                                 | 3                        | 50              |                                                           |
| 9                                                                                      | Ziziphus mauritiana                            | 5                        | 50              |                                                           |
| <b>47.Energy</b>                                                                       |                                                |                          |                 |                                                           |



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 6 of 52**

Signature:



Name: Dr. Umakant Dangat

**Dr. Umakant Dangat (Chairman SEAC-I)**

|                           |                                                                      |                                                     |
|---------------------------|----------------------------------------------------------------------|-----------------------------------------------------|
| <b>Power requirement:</b> | <b>Source of power supply :</b>                                      | 14.8 MW Co-generation power plant and 1.5 MW TG Set |
|                           | <b>During Construction Phase: (Demand Load)</b>                      | 5000 KW                                             |
|                           | <b>DG set as Power back-up during construction phase</b>             | 2*1000 KVA                                          |
|                           | <b>During Operation phase (Connected load):</b>                      | 1000 KW                                             |
|                           | <b>During Operation phase (Demand load):</b>                         | 5000 KW                                             |
|                           | <b>Transformer:</b>                                                  | 1000 KVA                                            |
|                           | <b>DG set as Power back-up during operation phase:</b>               | 2*1000 KVA                                          |
|                           | <b>Fuel used:</b>                                                    | HSD                                                 |
|                           | <b>Details of high tension line passing through the plot if any:</b> | None                                                |

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

Renewable energy for illumination of office buildings, street lights, parking areas will be provided

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

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
| 1             | LED Lights                   | 1 %      |
| 2             | Solar Street Lights          | 5%       |

#### 50. Details of pollution control Systems

| Source                            | Existing pollution control system                            | Proposed to be installed                                     |
|-----------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|
| Distillery Stack                  | ESP                                                          | ESP                                                          |
| Spentwash from 45 KLPD Distillery | Anaerobic Digestion followed by MEE followed by Incineration | Anaerobic Digestion followed by MEE followed by Incineration |

|                                                              |                        |         |
|--------------------------------------------------------------|------------------------|---------|
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>   | 4000000 |
|                                                              | <b>O &amp; M cost:</b> | 500000  |

#### 51. Environmental Management plan Budgetary Allocation

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

| Serial Number | Attributes         | Parameter                 | Total Cost per annum (Rs. In Lacs) |
|---------------|--------------------|---------------------------|------------------------------------|
| 1             | Fugitive Emissions | Particulate Matter        | 4                                  |
| 2             | Ambient Noise      | Leq (Day and Night time ) | 1                                  |

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



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 7 of 52**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

| Serial Number | Component                                      | Description                        | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|------------------------------------------------|------------------------------------|--------------------------|---------------------------------------------------|
| 1             | Air Pollution Control Equipment                | Pollution Control Equipment        | 150                      | 25                                                |
| 2             | Condensate polishing Unit                      | Pollution Control Equipment        | 600                      | 34                                                |
| 3             | Anaerobic Digester                             | Pollution Control Equipment        | 300                      | 50                                                |
| 4             | Multi Effect Evaporator and Incinerator boiler | Pollution Control Equipment        | 2800                     | 140                                               |
| 5             | NA                                             | NA                                 | 00                       | 0                                                 |
| 6             | Green Belt Development                         | Plantation of trees                | 10                       | 1.5                                               |
| 7             | Solid Waste Disposal                           | Disposal of Solid waste            | 300                      | 30                                                |
| 8             | Rain Water Harvesting                          | Collection and recharge pits       | 15                       | 0.75                                              |
| 9             | Laboratory                                     | establishment of environmental lab | 50                       | 15                                                |
| 10            | Occupational Health                            | Occupational Health and safety     | 25                       | 1.25                                              |

### 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      |
|--------------------------------|--------|-----------------|------------------------|--------------------------------------------------------|---------------------------|------------------|------------------------------|
| Rectified Spirit               | Liquid | Near Distillery | 1200                   | 1100                                                   | 1350                      | Captive          | By Road in closed containers |
| ENA                            | Liquid | Near Distillery | 1800                   | 1700                                                   | 1350                      | Captive          | By Road in closed containers |
| Impure Spirit                  | Liquid | Near Distillery | 200                    | 180                                                    | 400                       | Captive          | By Road in closed containers |
| Absolute Alcohol               | Liquid | Near Distillery | 3000                   | 2800                                                   | 1350                      | Captive          | By Road in closed containers |
| Special Denatured Spirit (SDS) | Liquid | Near Distillery | 3000                   | 2800                                                   | 1350                      | Open Market      | By Road in closed containers |

### 52.Any Other Information

No Information Available

### 53.Traffic Management

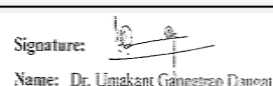
|                                                               |   |
|---------------------------------------------------------------|---|
| Nos. of the junction to the main road & design of confluence: | 3 |
|---------------------------------------------------------------|---|



Abhay Pimparkar (Secretary SEAC-I)

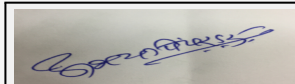
SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020

Page 8 of 52



Dr. Umakant Dangat (Chairman SEAC-I)

|                                     |                                                                                                         |                                                                                    |
|-------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Parking details:                    | Number and area of basement:                                                                            | 0                                                                                  |
|                                     | Number and area of podia:                                                                               | 0                                                                                  |
|                                     | Total Parking area:                                                                                     | 30000                                                                              |
|                                     | Area per car:                                                                                           | 20                                                                                 |
|                                     | Area per car:                                                                                           | 20                                                                                 |
|                                     | Number of 2-Wheelers as approved by competent authority:                                                | 150                                                                                |
|                                     | Number of 4-Wheelers as approved by competent authority:                                                | 200                                                                                |
|                                     | Public Transport:                                                                                       | Trucks and Bullock Carts                                                           |
|                                     | Width of all Internal roads (m):                                                                        | 6 to meters                                                                        |
|                                     | CRZ/ RRZ clearance obtain, if any:                                                                      | Not Applicable                                                                     |
|                                     | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | NA                                                                                 |
|                                     | Category as per schedule of EIA Notification sheet                                                      | B                                                                                  |
|                                     | Court cases pending if any                                                                              | Nil                                                                                |
|                                     | Other Relevant Informations                                                                             | The report is based on the ToRs granted by SEAC-1 in its 168th B and 176th Meeting |
|                                     | Have you previously submitted Application online on MOEF Website.                                       | No                                                                                 |
|                                     | Date of online submission                                                                               | -                                                                                  |
| <b>TOR Suggested Changes</b>        |                                                                                                         |                                                                                    |
| Consolidated Statement Point Number | Original Remarks                                                                                        | Submitted Changes                                                                  |



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 9 of 52**

Signature:



Name: Dr. Umakant Gangotree Dangat

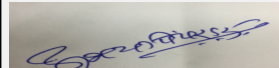
**Dr. Umakant Dangat (Chairman SEAC-I)**

|                                          |                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brief information of the project by SEAC | PP to carry out Public Consultation as per procedure stipulated in the EIA Notification, 2006 and submit point wise compliance of the issues raised during Public Consultation | As per Office Memorandum issued by MoEF & CC Vide No. J-11013/41/2006-IA-II (I)(Part) Dated 29.08.2017, the baseline data used for preparation of EIA/EMP reports may be collected at any stage, irrespective of the request for ToR or the issue thereof. However, such a baseline data and the public consultation should not be older than 3 years, at the time of submission of the proposal, for grant of Environmental Clearance, as per ToRs prescribed. As per the OM Public Consultation for the preparation of EIA/EMP Report shall be waived. |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

|                                                                 |                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental Impacts of the project</b>                     | PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time |
| <b>Water Budget</b>                                             | PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement. PP to obtain permission from the CGWA to withdraw ground water.                                            |
| <b>Waste Water Treatment</b>                                    | PP proposes ZLD for proposed distillery unit.                                                                                                                                                                                                        |
| <b>Drainage pattern of the project</b>                          | PP to maintain storm water drain line size of 0.45 x 0.46 meters all over the premises.                                                                                                                                                              |
| <b>Ground water parameters</b>                                  | As per data submitted by PP, ground water parameters are within the prescribed limits . PP to obtain permission from the CGWA to withdraw ground water.                                                                                              |
| <b>Solid Waste Management</b>                                   | The details of solid waste management is given at Sr. No. 36 & 38 of the consolidated statement.                                                                                                                                                     |
| <b>Air Quality &amp; Noise Level issues</b>                     | As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits at project site.                                                                                                                                      |
| <b>Energy Management</b>                                        | Not Applicable                                                                                                                                                                                                                                       |
| <b>Traffic circulation system and risk assessment</b>           | PP proposes minimum six meter wide internal roads with nine meter turning radius for smooth vehicular movement.                                                                                                                                      |
| <b>Landscape Plan</b>                                           | PP proposes 33% green belt within the premises.                                                                                                                                                                                                      |
| <b>Disaster management system and risk assessment</b>           | PP carried out HAZOP and Risk Assessment and prepared Disaster Management Plan.                                                                                                                                                                      |
| <b>Socioeconomic impact assessment</b>                          | PP has carried out socio economic impact study and included in the EIA report.                                                                                                                                                                       |
| <b>Environmental Management Plan</b>                            | PP proposes EMP of Rs. 5 Lakhs during construction phase and Rs. 4250 Lakhs as capital EMP cost and Rs. 297.5 recurring EMP cost during operation period.                                                                                            |
| <b>Any other issues related to environmental sustainability</b> | No carbon dioxide gas shall be released to the atmosphere.                                                                                                                                                                                           |

## Brief information of the project by SEAC



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 10 of 52**

Signature:



Name: Dr. Umakant Dangat

**Dr. Umakant Dangat (Chairman SEAC-I)**

PP submitted their application for the grant of TOR under category 5(g)B1 & 1(d)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

PP to collect base line data as per Office Memorandum issued by MoEF&CC dated 27.08.2017.

PP to carry out Public Consultation as per procedure stipulated in the EIA Notification, 2006 and submit point wise compliance of the issues raised during Public Consultation.

The validity of the TOR will be for three years as per OM issued by MoEF and CC on 29.08.2017.

PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.

PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.

PP to submit an undertaking for not having any eco sensitive area in the range of 5 KM from proposed project site.

PP has obtained earlier EC vide No. IA-J-11011/233/2015-IA-II(I) dated 11.01.2019. PP to submit copy of certified compliance of earlier EC from the Regional Office of MoEF&CC, Nagpur.

The ToR was granted to the PP during 168th B meeting of SEAC-1 held on 20.09.2019 including condition to carry out Public Consultation.

PP submitted request letter on 06.11.2019 for exemption from Public Hearing and accordingly amendment in the ToR.

The proposal was earlier considered in the 176th meeting of SEAC-1 held on 28.01.2020 wherein following decision was taken,

"During deliberations, PP submitted that, they have carried out Public Hearing on 28.05.2018 before obtaining Environmental Clearance for their 30 KLPD distillery unit.

PP submitted copy of Public Hearing and point wise compliance of issues raised during the Public Hearing. PP also submitted copy of certified compliance of earlier EC No. IA-J-11011/233/2015-IA-II(I) dated 11.01.2019 obtained from the Regional Office of MoEF&CC Nagpur.

As the public hearing was carried out for obtaining Environmental Clearance for 30 KLPD distillery unit of project in same premises on 28/05/2018, PP requested exemption from re-conducting the Public Hearing as it was carried out within three years as per OM issued by MoEF&CC dated 29.08.2017.

In view of above discussion and the provisions stipulated in para 7(ii) of EIA Notification, 2006 amended from time to time as well as OM issued by MoEF&CC dated 29.08.2017, SEAC-1 decided to grant exemption from conducting the Public Hearing for the project under consideration and accordingly grant amendment in the ToR."

## DECISION OF SEAC



**Abhay Pimparkar (Secretary  
SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date:  
March 14, 2020**

**Page 11  
of 52**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat  
(Chairman SEAC-I)**

After deliberations with the PP and their accredited consultant, SEAC-1 decided to recommend the proposal for prior Environmental Clearance subject to the following conditions.

**Specific Conditions by SEAC:**

- 1) PP to ensure strict compliance with respect to water consumption of 10 KL per KL of alcohol production.
- 2) PP to ensure strict compliance with respect to the spent wash generation of quantity 7 - 9 KL per KL of alcohol production.
- 3) PP to include water and carbon foot print monitoring in the EMP. PP shall provide carbon dioxide bottling plant to capture the CO<sub>2</sub> generated from the process. No carbon dioxide gas shall be released to the atmosphere.
- 4) PP to prepare and implement CER funds for development of social infrastructure like clean drinking water facilities, sanitation facilities and solar energy in the Z. P. Schools within the study area of the project in consultation with the District Authority.
- 5) PP shall provide Zero Liquid Discharge ETP for proposed distillery plant.

**FINAL RECOMMENDATION**

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

## 182nd Meeting of State Level Expert Appraisal Committee (SEAC-1)

**SEAC Meeting number: 182nd -Day-1 Meeting Date March 14, 2020**

**Subject:** Environment Clearance for New 21 MW Co-generation project

**Is a Violation Case:** No

|                                                                                                        |                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 1.Name of Project                                                                                      | New 21 MW Co-generation project                                                                                                         |
| 2.Type of institution                                                                                  | Private                                                                                                                                 |
| 3.Name of Project Proponent                                                                            | Prasad Sugar & Allied Agro Products Ltd.                                                                                                |
| 4.Name of Consultant                                                                                   | Vasantdada Sugar Institute                                                                                                              |
| 5.Type of project                                                                                      | Industrial project                                                                                                                      |
| 6.New project/expansion in existing project/modernization/diversification in existing project          | New 21 MW Co-generation project                                                                                                         |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | N.A.                                                                                                                                    |
| 8.Location of the project                                                                              | Survey number 912-915, Vambori                                                                                                          |
| 9.Taluka                                                                                               | Rahuri                                                                                                                                  |
| 10.Village                                                                                             | Vambori                                                                                                                                 |
| 11.Whether in Corporation / Municipal / other area                                                     | Other area                                                                                                                              |
| 12.IOD/IOA/Concession/Plan Approval Number                                                             | NOC from village Panchayat dated 03/03/2011<br>IOD/IOA/Concession/Plan Approval Number: Not applicable<br>Approved Built-up Area: 18211 |
| 13.Note on the initiated work (If applicable)                                                          | No work has been initiated                                                                                                              |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)                                         | NOC from village Panchayat dated 03/03/2011                                                                                             |
| 15.Total Plot Area (sq. m.)                                                                            | 1,29,499 sq.m.                                                                                                                          |
| 16.Deductions                                                                                          | Not applicable                                                                                                                          |
| 17.Net Plot area                                                                                       | Not applicable                                                                                                                          |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI)                                                          | a) FSI area (sq. m.): Not applicable<br>b) Non FSI area (sq. m.): Not applicable<br>c) Total BUA area (sq. m.): 18211                   |
| 18 (b).Approved Built up area as per DCR                                                               | Approved FSI area (sq. m.):<br>Approved Non FSI area (sq. m.):<br>Date of Approval:                                                     |
| 19.Total ground coverage (m2)                                                                          | Not applicable                                                                                                                          |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)                           | Not applicable                                                                                                                          |
| 21.Estimated cost of the project                                                                       | 101140000                                                                                                                               |

## 22.Number of buildings & its configuration

| Serial number                           | Building Name & number | Number of floors | Height of the building (Mtrs) |
|-----------------------------------------|------------------------|------------------|-------------------------------|
| 1                                       | Not applicable         | Not applicable   | Not applicable                |
| 23.Number of tenants and shops          | Not applicable         |                  |                               |
| 24.Number of expected residents / users | Not applicable         |                  |                               |



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 13 of 52**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

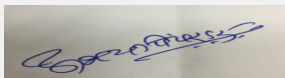
|                                                                                                                               |                |
|-------------------------------------------------------------------------------------------------------------------------------|----------------|
| 25.Tenant density per hectare                                                                                                 | Not applicable |
| 26.Height of the building(s)                                                                                                  |                |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | Not applicable |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | Not applicable |
| 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             | Electricity | N.A.            | 21 MW           | -            |

### 32.Total Water Requirement

|             |                                              |                                                       |
|-------------|----------------------------------------------|-------------------------------------------------------|
| Dry season: | Source of water                              | Mula Right bank Canal water                           |
|             | Fresh water (CMD):                           | 138 CMD (During season) & 209 CMD (During off-season) |
|             | Recycled water - Flushing (CMD):             | Not applicable                                        |
|             | Recycled water - Gardening (CMD):            | 20 CMD ETP treated water                              |
|             | Swimming pool make up (Cum):                 | Not applicable                                        |
|             | Total Water Requirement (CMD) :              | 347 CMD                                               |
|             | Fire fighting - Underground water tank(CMD): | 200 CM                                                |
|             | Fire fighting - Overhead water tank(CMD):    | Not applicable                                        |
|             | Excess treated water                         | 437 CMD                                               |



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020

Page 14 of 52

Signature:



Name: Dr. Umakant Gangotree Dangat

Dr. Umakant Dangat (Chairman SEAC-I)

|                                    |                                              |                                                       |       |            |          |       |                |          |       |  |
|------------------------------------|----------------------------------------------|-------------------------------------------------------|-------|------------|----------|-------|----------------|----------|-------|--|
| Wet season:                        | Source of water                              | Not applicable                                        |       |            |          |       |                |          |       |  |
|                                    | Fresh water (CMD):                           | Not applicable                                        |       |            |          |       |                |          |       |  |
|                                    | Recycled water - Flushing (CMD):             | Not applicable                                        |       |            |          |       |                |          |       |  |
|                                    | Recycled water - Gardening (CMD):            | Not applicable                                        |       |            |          |       |                |          |       |  |
|                                    | Swimming pool make up (Cum):                 | Not applicable                                        |       |            |          |       |                |          |       |  |
|                                    | Total Water Requirement (CMD) :              | Not applicable                                        |       |            |          |       |                |          |       |  |
|                                    | Fire fighting - Underground water tank(CMD): | Not applicable                                        |       |            |          |       |                |          |       |  |
|                                    | Fire fighting - Overhead water tank(CMD):    | Not applicable                                        |       |            |          |       |                |          |       |  |
|                                    | Excess treated water                         | Not applicable                                        |       |            |          |       |                |          |       |  |
| Details of Swimming pool (If any)  | Not applicable                               |                                                       |       |            |          |       |                |          |       |  |
| 33.Details of Total water consumed |                                              |                                                       |       |            |          |       |                |          |       |  |
| Particulars                        | Consumption (CMD)                            |                                                       |       | Loss (CMD) |          |       | Effluent (CMD) |          |       |  |
| Water Requirement                  | Existing                                     | Proposed                                              | Total | Existing   | Proposed | Total | Existing       | Proposed | Total |  |
| Domestic                           | N.A.                                         | 5.0                                                   | 5.0   | N.A.       | 3.0      | 3.0   | N.A.           | 3.0      | 3.0   |  |
| 34.Rain Water Harvesting (RWH)     | Level of the Ground water table:             | 20 and 40 m                                           |       |            |          |       |                |          |       |  |
|                                    | Size and no of RWH tank(s) and Quantity:     | 17,655 sq.m.-01 No., Quantity- 6000 cu.m.             |       |            |          |       |                |          |       |  |
|                                    | Location of the RWH tank(s):                 | Roof top area of Sugar unit                           |       |            |          |       |                |          |       |  |
|                                    | Quantity of recharge pits:                   | 01                                                    |       |            |          |       |                |          |       |  |
|                                    | Size of recharge pits :                      | 50x60x2m                                              |       |            |          |       |                |          |       |  |
|                                    | Budgetary allocation (Capital cost) :        | Rs. 4682.89 Lakhs                                     |       |            |          |       |                |          |       |  |
|                                    | Budgetary allocation (O & M cost) :          | Rs.84 Lakhs                                           |       |            |          |       |                |          |       |  |
|                                    | Details of UGT tanks if any :                | One under groundwater reservoir of capacity 200 cu.m. |       |            |          |       |                |          |       |  |
| 35.Storm water drainage            | Natural water drainage pattern:              | Mixture of dentritic and trellis type of drainage     |       |            |          |       |                |          |       |  |
|                                    | Quantity of storm water:                     | 3485 cu.m. per annum                                  |       |            |          |       |                |          |       |  |
|                                    | Size of SWD:                                 | 1500 m X 0.450 m X 0.600 m                            |       |            |          |       |                |          |       |  |

  
Abhay Pimparkar (Secretary  
SEAC-I)

**SEAC Meeting No: 182nd -Day-1 Meeting Date:  
March 14, 2020**

**Page 15  
of 52**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat  
(Chairman SEAC-I)**

|                               |                                               |                      |
|-------------------------------|-----------------------------------------------|----------------------|
| <b>Sewage and Waste water</b> | <b>Sewage generation in KLD:</b>              | 4                    |
|                               | <b>STP technology:</b>                        | Septic tank-soak pit |
|                               | <b>Capacity of STP (CMD):</b>                 | Not available        |
|                               | <b>Location &amp; area of the STP:</b>        | N.A.                 |
|                               | <b>Budgetary allocation (Capital cost):</b>   | N.A.                 |
|                               | <b>Budgetary allocation (O &amp; M cost):</b> | N.A.                 |

### 36.Solid waste Management

|                                                                         |                                                            |                                                               |
|-------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------|
| <b>Waste generation in the Pre Construction and Construction phase:</b> | <b>Waste generation:</b>                                   | Soil and grits                                                |
|                                                                         | <b>Disposal of the construction waste debris:</b>          | Internal roads and minor leveling work                        |
| <b>Waste generation in the operation Phase:</b>                         | <b>Dry waste:</b>                                          | Fly ash (8482 MT/Year)                                        |
|                                                                         | <b>Wet waste:</b>                                          | ETP sludge (10.35 MT/Year)                                    |
|                                                                         | <b>Hazardous waste:</b>                                    | Spent oil (2 MT/ Year)                                        |
|                                                                         | <b>Biomedical waste (If applicable):</b>                   | N.A.                                                          |
|                                                                         | <b>STP Sludge (Dry sludge):</b>                            | N.A.                                                          |
|                                                                         | <b>Others if any:</b>                                      | N.A.                                                          |
| <b>Mode of Disposal of waste:</b>                                       | <b>Dry waste:</b>                                          | Used for compost making process or sold to brick manufacturer |
|                                                                         | <b>Wet waste:</b>                                          | Used for composting                                           |
|                                                                         | <b>Hazardous waste:</b>                                    | Burnt in the boiler as fuel                                   |
|                                                                         | <b>Biomedical waste (If applicable):</b>                   | N.A.                                                          |
|                                                                         | <b>STP Sludge (Dry sludge):</b>                            | N.A.                                                          |
|                                                                         | <b>Others if any:</b>                                      | N.A.                                                          |
| <b>Area requirement:</b>                                                | <b>Location(s):</b>                                        | Within factory premises                                       |
|                                                                         | <b>Area for the storage of waste &amp; other material:</b> | Approx. 0.5 acre=2000sq.m.                                    |
|                                                                         | <b>Area for machinery:</b>                                 | 9637 sq.m.                                                    |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b>            | <b>Capital cost:</b>                                       | 7138 Lakhs for machinery                                      |
|                                                                         | <b>O &amp; M cost:</b>                                     | 80 Lakhs                                                      |

### 37.Effluent Charecterestics

| Serial Number | Parameters   | Unit | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|---------------|--------------|------|--------------------------------|---------------------------------|-------------------------------------|
| 1             | pH           | -    | 3.5-5.0                        | 6.5-8.0                         | 6.5-8.0                             |
| 2             | BOD          | mg/l | 600-800                        | <100                            | 100                                 |
| 3             | COD          | mg/l | 1600-3000                      | <250                            | 250                                 |
| 4             | Oil & Grease | mg/l | 100-130                        | <10                             | 10                                  |



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 16 of 52**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

|                                       |                       |                                                                                                                                                                                                                                                                                                |           |        |      |
|---------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|------|
| 5                                     | Total Suspended Solid | mg/l                                                                                                                                                                                                                                                                                           | 1500-2000 | <200   | -    |
| 6                                     | Total Dissolved Solid | mg/l                                                                                                                                                                                                                                                                                           | 1500-2000 | < 2100 | 2100 |
| Amount of effluent generation (CMD):  |                       | 310 (during season) and 138 (during off season)                                                                                                                                                                                                                                                |           |        |      |
| Capacity of the ETP:                  |                       | 500 CMD                                                                                                                                                                                                                                                                                        |           |        |      |
| Amount of treated effluent recycled : |                       | 3160                                                                                                                                                                                                                                                                                           |           |        |      |
| Amount of water send to the CETP:     |                       | N.A.                                                                                                                                                                                                                                                                                           |           |        |      |
| Membership of CETP (if require):      |                       | N.A.                                                                                                                                                                                                                                                                                           |           |        |      |
| Note on ETP technology to be used     |                       | Anaerobic USBR followed by activated sludge process. ETP treated water will be reused for cooling activities and/ or for greenbelt/irrigation • Hot water will be collected and cooled in separate ponds/tanks and recycled after cooling. Hence, Zero Liquid Discharge (ZLD) will be achieved |           |        |      |
| Disposal of the ETP sludge            |                       | ETP Sludge will be used as manure                                                                                                                                                                                                                                                              |           |        |      |

### 38.Hazardous Waste Details

| Serial Number | Description | Cat | UOM  | Existing | Proposed | Total  | Method of Disposal |
|---------------|-------------|-----|------|----------|----------|--------|--------------------|
| 1             | Spent oil   | 5.1 | MT/Y | -        | 2 MT/Y   | 2 MT/Y | Burnt in boiler    |

### 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             | Boiler          | Bagasse 41 TPH (for season) & 21.1 TPH (For off-season) | 01        | 72                           | 3.5                   | 80                     |

### 40.Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed                                            | Total   |
|---------------|--------------|----------|-----------------------------------------------------|---------|
| 1             | Bagasse      | N.A.     | During Crushing season: 984 During off season: 21.1 | 984 TPD |

41.Source of Fuel Own Sugar factory

42.Mode of Transportation of fuel to site Conveyor

|                                  |                                         |                                                                                |
|----------------------------------|-----------------------------------------|--------------------------------------------------------------------------------|
| <b>43.Green Belt Development</b> | Total RG area :                         | 4046.86 sq.m.                                                                  |
|                                  | No of trees to be cut :                 | No tree cutting required                                                       |
|                                  | Number of trees to be planted :         | Approx. 2500-3000                                                              |
|                                  | List of proposed native trees :         | Babhul, Subabhul, Neem, Gulmohar, Aavala, Karanj, Shisham, Pimpal, Kanher etc. |
|                                  | Timeline for completion of plantation : | 3 years                                                                        |

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

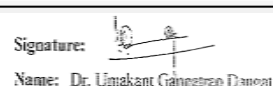
| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance |
|---------------|-------------------|-------------|----------|-----------------------------------------|
|---------------|-------------------|-------------|----------|-----------------------------------------|



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020

Page 17 of 52



Dr. Umakant Dangat (Chairman SEAC-I)

|    |                    |          |     |                                                                            |
|----|--------------------|----------|-----|----------------------------------------------------------------------------|
| 1  | Acacia nilotica    | Babhul   | 130 | Dust tolerant, very common in the region                                   |
| 2  | Acacia leucophloea | Subabhul | 90  | Tolerant to air pollution, very common in the region                       |
| 3  | Aegle marmalose    | Bel      | 80  | Tolerant to air pollution, very common in the region                       |
| 4  | Azadiracta indica  | Neem     | 100 | Fly ash tolerant, Tolerant of alkaline and Saline soil, common in the area |
| 5  | Cordia spp.        | Bhokar   | 50  | Dust tolerant                                                              |
| 6  | Delonix regia      | Gulmohar | 100 | Fly ash tolerant                                                           |
| 7  | Ficus bengalensis  | Wad      | 90  | Fluoride tolerant, common in the region                                    |
| 8  | Ficus religiosa    | Pimpal   | 80  | Tolerant of CO <sub>2</sub> , common                                       |
| 9  | Tamarindus indica  | Chinch   | 110 | Tolerant to acidic soil                                                    |
| 10 | Nerium odoratum    | Kanher   | 120 | Tolerant of SO <sub>2</sub> , common                                       |

**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 m <sup>2</sup> |
|---------------|------|--------------|---------------------|
| 1             | N.A. | N.A.         | N.A.                |

**47.Energy**

|                           |                                                               |                                                          |
|---------------------------|---------------------------------------------------------------|----------------------------------------------------------|
| <b>Power requirement:</b> | Source of power supply :                                      | Captive                                                  |
|                           | During Construction Phase: (Demand Load)                      | Captive apprx. 0.5 MW                                    |
|                           | DG set as Power back-up during construction phase             | DG set of 750 KVA capacity                               |
|                           | During Operation phase (Connected load):                      | Captive power requirement (Sugar+co-generation) =5.70 MW |
|                           | During Operation phase (Demand load):                         | N.A.                                                     |
|                           | Transformer:                                                  | N.A.                                                     |
|                           | DG set as Power back-up during operation phase:               | DG set of 750 KVA capacity                               |
|                           | Fuel used:                                                    | Diesel for DG                                            |
|                           | Details of high tension line passing through the plot if any: | N.A.                                                     |

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

The project is going to use captive power hence use of non-conventional energy is not considered

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

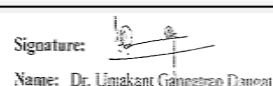
| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
|---------------|------------------------------|----------|



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 18 of 52**



**Dr. Umakant Dangat (Chairman SEAC-I)**

|                                                                            |                                            |                            |                                    |                                                        |                           |                  |                         |
|----------------------------------------------------------------------------|--------------------------------------------|----------------------------|------------------------------------|--------------------------------------------------------|---------------------------|------------------|-------------------------|
| 1                                                                          | N.A.                                       |                            | N.A.                               |                                                        |                           |                  |                         |
| 50.Details of pollution control Systems                                    |                                            |                            |                                    |                                                        |                           |                  |                         |
| Source                                                                     | Existing pollution control system          |                            | Proposed to be installed           |                                                        |                           |                  |                         |
| Flue gas/stack gas emission                                                | Multi-cyclone dust collector, Wet scrubber |                            | ESP for proposed boiler            |                                                        |                           |                  |                         |
| Effluent                                                                   | 500 CMD ETP for Sugar and Co-gen unit      |                            | 500 CMD or Sugar and Co-gen unit   |                                                        |                           |                  |                         |
| Budgetary allocation (Capital cost and O&M cost):                          | Capital cost:                              | Rs. 998 Lakhs              |                                    |                                                        |                           |                  |                         |
|                                                                            | O & M cost:                                | Rs. 84 Lakhs               |                                    |                                                        |                           |                  |                         |
| 51.Environmental Management plan Budgetary Allocation                      |                                            |                            |                                    |                                                        |                           |                  |                         |
| a) Construction phase (with Break-up):                                     |                                            |                            |                                    |                                                        |                           |                  |                         |
| Serial Number                                                              | Attributes                                 | Parameter                  | Total Cost per annum (Rs. In Lacs) |                                                        |                           |                  |                         |
| 1                                                                          | Sprinkling of water on roads               | For controlling dust (SPM) | Approx. 4.00                       |                                                        |                           |                  |                         |
| 2                                                                          | Electricity                                | Diesel for captive DG      | Approx. 4.50                       |                                                        |                           |                  |                         |
| b) Operation Phase (with Break-up):                                        |                                            |                            |                                    |                                                        |                           |                  |                         |
| Serial Number                                                              | Component                                  | Description                | Capital cost Rs. In Lacs           | Operational and Maintenance cost (Rs. in Lacs/yr)      |                           |                  |                         |
| 1                                                                          | Air & Noise Pollution Control              | -                          | 132.00                             | 22.00                                                  |                           |                  |                         |
| 2                                                                          | Water pollution control                    | -                          | -                                  | 34.00                                                  |                           |                  |                         |
| 3                                                                          | Environment monitoring and management      | -                          | 690.00                             | 1.50                                                   |                           |                  |                         |
| 4                                                                          | Occupational Health                        | -                          | 41.00                              | 5.00                                                   |                           |                  |                         |
| 5                                                                          | Green Belt                                 | -                          | 12.00                              | 1.50                                                   |                           |                  |                         |
| 6                                                                          | Solid waste management                     | -                          | 12.00                              | 12.00                                                  |                           |                  |                         |
| 7                                                                          | Fire protection                            | -                          | 37.00                              | 4.00                                                   |                           |                  |                         |
| 8                                                                          | Ash handling and disposal                  | -                          | 74.00                              | 4.00                                                   |                           |                  |                         |
| 9                                                                          | Total                                      | -                          | 998                                | 84                                                     |                           |                  |                         |
| 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 |
| N.A.                                                                       | N.A.                                       | N.A.                       | N.A.                               | N.A.                                                   | N.A.                      | N.A.             | N.A.                    |
| 52.Any Other Information                                                   |                                            |                            |                                    |                                                        |                           |                  |                         |
| No Information Available                                                   |                                            |                            |                                    |                                                        |                           |                  |                         |

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 19 of 52**

**Signature:**   
**Name: Dr. Umakant Dangat (Chairman SEAC-I)**

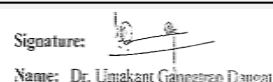
| 53.Traffic Management                           |                                                                                                                                                                                                                                                                                                                                                                                  |                                              |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
|                                                 | Nos. of the junction to the main road & design of confluence:                                                                                                                                                                                                                                                                                                                    | N.A.                                         |
| Parking details:                                | Number and area of basement:                                                                                                                                                                                                                                                                                                                                                     | N.A.                                         |
|                                                 | Number and area of podia:                                                                                                                                                                                                                                                                                                                                                        | N.A.                                         |
|                                                 | Total Parking area:                                                                                                                                                                                                                                                                                                                                                              | 6070 sq.m.                                   |
|                                                 | Area per car:                                                                                                                                                                                                                                                                                                                                                                    | N.A.                                         |
|                                                 | Area per car:                                                                                                                                                                                                                                                                                                                                                                    | N.A.                                         |
|                                                 | Number of 2-Wheelers as approved by competent authority:                                                                                                                                                                                                                                                                                                                         | N.A.                                         |
|                                                 | Number of 4-Wheelers as approved by competent authority:                                                                                                                                                                                                                                                                                                                         | N.A.                                         |
|                                                 | Public Transport:                                                                                                                                                                                                                                                                                                                                                                | Available                                    |
|                                                 | Width of all Internal roads (m):                                                                                                                                                                                                                                                                                                                                                 | 6 m wide                                     |
|                                                 | CRZ/ RRZ clearance obtain, if any:                                                                                                                                                                                                                                                                                                                                               | N.A.                                         |
|                                                 | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries                                                                                                                                                                                                                                                                          | None within 10 km radius of the project site |
|                                                 | Category as per schedule of EIA Notification sheet                                                                                                                                                                                                                                                                                                                               | Category- B, Item no. 1 (d)                  |
|                                                 | Court cases pending if any                                                                                                                                                                                                                                                                                                                                                       | N.A.                                         |
|                                                 | Other Relevant Informations                                                                                                                                                                                                                                                                                                                                                      | N.A.                                         |
|                                                 | Have you previously submitted Application online on MOEF Website.                                                                                                                                                                                                                                                                                                                | Yes                                          |
|                                                 | Date of online submission                                                                                                                                                                                                                                                                                                                                                        | 24-02-2016                                   |
| <b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b> |                                                                                                                                                                                                                                                                                                                                                                                  |                                              |
| Environmental Impacts of the project            | PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits at site. |                                              |
| Water Budget                                    | PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.                                                                                                                                                                                                                                        |                                              |



**Abhay Pimparkar (Secretary SEAC-I)**

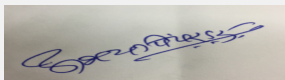
**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 20 of 52**



**Dr. Umakant Dangat (Chairman SEAC-I)**

|                                                                 |                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Waste Water Treatment</b>                                    | PP provided Effluent Treatment Plant. PP proposes to provide Sewage Treatment Plant for the treatment of domestic sewage.                                                                                                                                                 |
| <b>Drainage pattern of the project</b>                          | The drains are provided considering the contour of the plot.                                                                                                                                                                                                              |
| <b>Ground water parameters</b>                                  | As per data submitted by PP ground water parameters are within the prescribed limits at project site.                                                                                                                                                                     |
| <b>Solid Waste Management</b>                                   | PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 36 & 38 of the Consolidated Statement.                                                                                                                            |
| <b>Air Quality &amp; Noise Level issues</b>                     | As per data submitted by PP Air Quality are within the prescribed limits at project site. PP to identify the sources of noise pollution and take measures to reduce noise level on site like provision of acoustic enclosures, isolation of noise making equipments, etc. |
| <b>Energy Management</b>                                        | Not Applicable                                                                                                                                                                                                                                                            |
| <b>Traffic circulation system and risk assessment</b>           | PP proposes internal roads with minimum six meter width and nine meter turning radius.                                                                                                                                                                                    |
| <b>Landscape Plan</b>                                           | PP proposes 33% green belt within the premises.                                                                                                                                                                                                                           |
| <b>Disaster management system and risk assessment</b>           | PP prepared disaster management plan.                                                                                                                                                                                                                                     |
| <b>Socioeconomic impact assessment</b>                          | PP has carried out socio economic impact study and included in the EIA report.                                                                                                                                                                                            |
| <b>Environmental Management Plan</b>                            | PP proposes capital EMP cost of Rs. 998 Lakhs and recurring EMP cost of Rs. 84 Lakhs.                                                                                                                                                                                     |
| <b>Any other issues related to environmental sustainability</b> | Not Applicable                                                                                                                                                                                                                                                            |
| <b>Brief information of the project by SEAC</b>                 |                                                                                                                                                                                                                                                                           |



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 21 of 52**



**Dr. Umakant Dangat (Chairman SEAC-I)**

The ToR was grnated to the PP in 125th meeting of SEAC-1 held on 12th March, 2016 under category 1(d)B1 to establish 21 MW cogeneration plant using bagasse as a fuel.

Public Hearing was conducted on 14.11.2016 and included in the EIA report.

PP submitted EIA/EMP reprot in 146th meeting of SEAC-1 held on 30.01.2018 wehre in the proposal was deferred till submission of compliance of follwoing points,

1. PP to submit detailed point wise compliance of the issues raised during the Public Hearing in consultation with the District Authorities.

2. PP to submit mitigation plan for failure of Electrostatic Precipitator to control the air emissions.

3. PP to submit excess baggase management plan.

4. PP to submit water balabce calculations indicating water required for existing activities, water required for proposed co generation plant , quantity of generation of waste water its treatment and disposal mechanism.

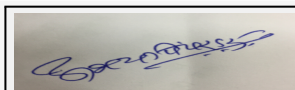
5. PP to submit details of water source being used for existing water demand and also submit copy of an agreement/permission obtained from competent authority for sustained water supply.

6. PP to submit detailed rain water harvesting calculations.

7. PP to submit specific CSR/EMP activity plan with amount reserved for CSR /EMP, the schedule of implementation and activities to be covered in consultation with the district authorities.

8. PP to so submit revised EIA/EMP report considering above points for further appraisal.

Now PP submitted compiance of above points.



**Abhay Pimparkar (Secretary  
SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date:  
March 14, 2020**

**Page 22  
of 52**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat  
(Chairman SEAC-I)**

## DECISION OF SEAC

After deliberations with the PP and their accredited consultant, SEAC-1 decided to recommend the proposal for prior Environmental Clearance subject to the following conditions.

### Specific Conditions by SEAC:

- 1) PP to provide STP for the treatment of domestic waste water generated within the premises.
- 2) PP to prepare and implement their CER plan for creating social infrastructure like clean drinking water and sanitation facilities to the villagers in the study area of the project in consultation with the District Authority.
- 3) PP to include carbon and water foot print in their Environmental Monitoring Plan.
- 4) PP to carry out physio chemical analysis of the soil conditioner /manure (ash mixed with the press mud) and obtain approval from the Agriculture Department for its safe use on agricultural land.

## FINAL RECOMMENDATION

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

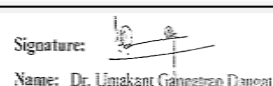
SEAC-AGENDA-0000000418



**Abhay Pimparkar (Secretary  
SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date:  
March 14, 2020**

**Page 23  
of 52**



**Dr. Umakant Dangat  
(Chairman SEAC-I)**

**182nd Meeting of State Level Expert Appraisal Committee (SEAC-1)****SEAC Meeting number: 182nd -Day-1 Meeting Date March 14, 2020****Subject:** Environment Clearance for Aarti Industries Limited . Plot No. 55, 56, 57, 59 & 60 M.I.D.C. phase II Dombivali, Dist.- Thane**Is a Violation Case:** No

|                                                                                                        |                                                                                                                 |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 1.Name of Project                                                                                      | Proposed expansion project of manufacturing of API intermediates and Specialty Chemicals                        |
| 2.Type of institution                                                                                  | Private                                                                                                         |
| 3.Name of Project Proponent                                                                            | Mr. Narendra Salvi                                                                                              |
| 4.Name of Consultant                                                                                   | Goldfinch Engineering Systems Private Limited, Thane                                                            |
| 5.Type of project                                                                                      | Not applicable                                                                                                  |
| 6.New project/expansion in existing project/modernization/diversification in existing project          | Expansion                                                                                                       |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | No                                                                                                              |
| 8.Location of the project                                                                              | Plot No. D- 55, 56, 57, 59 & 60                                                                                 |
| 9.Taluka                                                                                               | Kalyan                                                                                                          |
| 10.Village                                                                                             | Sagarli                                                                                                         |
| 11.Whether in Corporation / Municipal / other area                                                     | Municipal corporation                                                                                           |
| 12.IOD/IOA/Concession/Plan Approval Number                                                             | NA<br>IOD/IOA/Concession/Plan Approval Number: NA<br>Approved Built-up Area: 1914                               |
| 13.Note on the initiated work (If applicable)                                                          | Nil                                                                                                             |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)                                         | NA                                                                                                              |
| 15.Total Plot Area (sq. m.)                                                                            | 3760 m <sup>2</sup>                                                                                             |
| 16.Deductions                                                                                          | Not applicable                                                                                                  |
| 17.Net Plot area                                                                                       | Not applicable                                                                                                  |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI)                                                          | a) FSI area (sq. m.): Not applicable<br>b) Non FSI area (sq. m.): Not applicable<br>c) Total BUA area (sq. m.): |
| 18 (b).Approved Built up area as per DCR                                                               | Approved FSI area (sq. m.):<br>Approved Non FSI area (sq. m.):<br>Date of Approval:                             |
| 19.Total ground coverage (m <sup>2</sup> )                                                             | Not applicable                                                                                                  |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)                           | Not applicable                                                                                                  |
| 21.Estimated cost of the project                                                                       | 322800000                                                                                                       |

**22.Number of buildings & its configuration**

| Serial number                           | Building Name & number | Number of floors | Height of the building (Mtrs) |
|-----------------------------------------|------------------------|------------------|-------------------------------|
| 1                                       | Not applicable         | Not applicable   | Not applicable                |
| 23.Number of tenants and shops          | Not applicable         |                  |                               |
| 24.Number of expected residents / users | Not applicable         |                  |                               |

  
**Abhay Pimparkar (Secretary SEAC-I)****SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020****Page 24 of 52**  
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

|                                                                                                                               |                |
|-------------------------------------------------------------------------------------------------------------------------------|----------------|
| 25.Tenant density per hectare                                                                                                 | Not applicable |
| 26.Height of the building(s)                                                                                                  |                |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | NA             |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | Not applicable |
| 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             | Bambuterol Hydrochloride                                                                                                                | 00              | 0.42            | 0.42         |
| 2             | R-Salbutamol Sulphate                                                                                                                   | 00              | 0.83            | 0.83         |
| 3             | Deferiprone                                                                                                                             | 00              | 0.42            | 0.42         |
| 4             | Ranolazine                                                                                                                              | 0.2             | (-)0.2          | 00           |
| 5             | Phenylperine Hydrochloride                                                                                                              | 0.4             | 0.85            | 1.25         |
| 6             | Budesonode (TTR)                                                                                                                        | 0.03            | (-)0.03         | 00           |
| 7             | PAN-IV (16,16?,17?,21-Tetrahydroxy pregna-1,4-dine-3,20-dione.)                                                                         | 0.03            | (-)0.03         | 00           |
| 8             | FLY -X (N-[(S)-1-Carboxy-1-butyl]- (S)-alanine)                                                                                         | 0.03            | 0.29            | 0.32         |
| 9             | BA - III (N-[4-cyano-3-(trifluoromethyl)phenyl]-2-methyl[(4-fluorophenyl)-thio]]-2-hydroxy-2-methylpropanamide)                         | 0.03            | (-)0.03         | 00           |
| 10            | TV-INT (Ethyl, R-(+)-(4-nitrobenzenesulfonyloxy)-4-phenyl butyrate)                                                                     | 0.03            | 0.47            | 0.5          |
| 11            | Peridopril Erbumine                                                                                                                     | 00              | 0.17            | 0.17         |
| 12            | TTR IV ( (16,16?,17?,21-Tetrahydroxy pregna-1,4-dine-3,20-dione.)                                                                       | 00              | 0.1             | 0.1          |
| 13            | FLY VIII (Benzyl(2S,3aS,7aS)-Octahydro-1H-Indole-2-carboxylate 4-Methylbenzenesulfonate)                                                | 00              | 0.43            | 0.43         |
| 14            | PR-38 - 4-[2-(1-Azepanyl)Ethoxy] Benzyl Chloride Hydrochloride                                                                          | --              | --              | --           |
| 15            | PR-86 - t-butyl-hydroxycyclohexyl methacrylate                                                                                          | --              | --              | --           |
| 16            | PR-88 - (2,3,4,6-TETRA-O-BENZYL-D-GALACTOSE)                                                                                            | --              | --              | --           |
| 17            | PR-89 - ((S)-1-BOC-3-HYDROXY PIPERIDINE)                                                                                                | --              | --              | --           |
| 18            | PR-91 - (S)-2-AMINO-5-METHOXYTETRALINE HYDROCHLORIDE                                                                                    | --              | --              | --           |
| 19            | PR-92 - (S)-1,2,3,4-Tetrahydro-5-methoxy -N-propyl-2-naphthalenamine hydrochloride                                                      | --              | --              | --           |
| 20            | PR-115 ( N-Decyl-N,N-Dimethyl-3- Ammonio-1 -propane- Sulphonate)                                                                        | --              | --              | --           |
| 21            | PR-116 (S)-(TETRAHYDROFURAN-3-YL) HYDRAZINE HYDROCHLORIDE                                                                               | --              | --              | --           |
| 22            | PR-156 - (2-Bromo-4-nitro imidazole)                                                                                                    | --              | --              | --           |
| 23            | PR-178 - (S,S)-2,8-Diazabicyclo[4.3.0]nonane                                                                                            | --              | --              | --           |
| 24            | PR-179-(3-HYDROXY-N-METHYL-3-PHENYL-PROPYLAMINE                                                                                         | --              | --              | --           |
| 25            | PR-181 - CHLOROMETHYL CHLORO SULFATE                                                                                                    | --              | --              | --           |
| 26            | Note - Combine production capacity of PR-38,PR-86,PR-88,PR-89,PR-91, PR-92, PR-115,PR-116,PR-156,PR-178,PR-179,PR-181, will be 2.25 TPM | 00              | 2.25            | 2.25         |
| 27            | Total                                                                                                                                   | 0.748           | 5.922           | 6.67         |

### 32.Total Water Requirement



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 25 of 52**



**Dr. Umakant Dangat (Chairman SEAC-I)**

|                                   |                                              |                |
|-----------------------------------|----------------------------------------------|----------------|
| Dry season:                       | Source of water                              | Not applicable |
|                                   | Fresh water (CMD):                           | Not applicable |
|                                   | Recycled water - Flushing (CMD):             | Not applicable |
|                                   | Recycled water - Gardening (CMD):            | Not applicable |
|                                   | Swimming pool make up (Cum):                 | Not applicable |
|                                   | Total Water Requirement (CMD) :              | Not applicable |
|                                   | Fire fighting - Underground water tank(CMD): | Not applicable |
|                                   | Fire fighting - Overhead water tank(CMD):    | Not applicable |
|                                   | Excess treated water                         | Not applicable |
| Wet season:                       | Source of water                              | Not applicable |
|                                   | Fresh water (CMD):                           | Not applicable |
|                                   | Recycled water - Flushing (CMD):             | Not applicable |
|                                   | Recycled water - Gardening (CMD):            | Not applicable |
|                                   | Swimming pool make up (Cum):                 | Not applicable |
|                                   | Total Water Requirement (CMD) :              | Not applicable |
|                                   | Fire fighting - Underground water tank(CMD): | Not applicable |
|                                   | Fire fighting - Overhead water tank(CMD):    | Not applicable |
|                                   | Excess treated water                         | Not applicable |
| Details of Swimming pool (If any) |                                              | Not applicable |

### 33.Details of Total water consumed

| Particulars                | Consumption (CMD) |          |       | Loss (CMD) |          |       | Effluent (CMD) |          |       |
|----------------------------|-------------------|----------|-------|------------|----------|-------|----------------|----------|-------|
|                            | Existing          | Proposed | Total | Existing   | Proposed | Total | Existing       | Proposed | Total |
| Domestic                   | 5.5               | 13       | 18.5  | 1.1        | 2.9      | 4     | 4.4            | 10.1     | 14.5  |
| Industrial Process         | 21                | 14       | 35    | 8.6        | 5.8      | 14.4  | 12.4           | 8.2      | 20.6  |
| Cooling tower & thermopack | 4                 | 1.5      | 5.5   | 3.2        | 1.2      | 4.4   | 0.8            | 0.3      | 1.11  |
| Gardening                  | 2                 | 4        | 6     | 2          | 4        | 6     | 0              | 0        | 0     |



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020

Page 26 of 52

Signature:   
Name: Dr. Umakant Dangat  
Dr. Umakant Dangat (Chairman SEAC-I)

|                                                                  |                                            |                                                                                                               |    |      |      |      |      |      |      |
|------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------|----|------|------|------|------|------|------|
| Fresh water requirement                                          | 32.5                                       | 37.5                                                                                                          | 65 | 14.9 | 13.9 | 28.8 | 17.8 | 18.6 | 36.2 |
|                                                                  |                                            |                                                                                                               |    |      |      |      |      |      |      |
| 34.Rain Water Harvesting (RWH)                                   | Level of the Ground water table:           | will submit in EIA report                                                                                     |    |      |      |      |      |      |      |
|                                                                  | Size and no of RWH tank(s) and Quantity:   | will submit in EIA report                                                                                     |    |      |      |      |      |      |      |
|                                                                  | Location of the RWH tank(s):               | will submit in EIA report                                                                                     |    |      |      |      |      |      |      |
|                                                                  | Quantity of recharge pits:                 | will submit in EIA report                                                                                     |    |      |      |      |      |      |      |
|                                                                  | Size of recharge pits :                    | will submit in EIA report                                                                                     |    |      |      |      |      |      |      |
|                                                                  | Budgetary allocation (Capital cost) :      | will submit in EIA report                                                                                     |    |      |      |      |      |      |      |
|                                                                  | Budgetary allocation (O & M cost) :        | will submit in EIA report                                                                                     |    |      |      |      |      |      |      |
|                                                                  | Details of UGT tanks if any :              | 1. Methanol (25 KL)<br>2. IPA (25 KL)<br>3. Toluene (25 KL)<br>4. Acetone (25 KL)<br>5. Ethyl Acetate (25 Kl) |    |      |      |      |      |      |      |
|                                                                  |                                            |                                                                                                               |    |      |      |      |      |      |      |
| 35.Storm water drainage                                          | Natural water drainage pattern:            | Provided by MIDC                                                                                              |    |      |      |      |      |      |      |
|                                                                  | Quantity of storm water:                   | NA                                                                                                            |    |      |      |      |      |      |      |
|                                                                  | Size of SWD:                               | NA                                                                                                            |    |      |      |      |      |      |      |
|                                                                  |                                            |                                                                                                               |    |      |      |      |      |      |      |
| Sewage and Waste water                                           | Sewage generation in KLD:                  | 20                                                                                                            |    |      |      |      |      |      |      |
|                                                                  | STP technology:                            | Conventional technology will be used                                                                          |    |      |      |      |      |      |      |
|                                                                  | Capacity of STP (CMD):                     | 1 No. 25 CMD                                                                                                  |    |      |      |      |      |      |      |
|                                                                  | Location & area of the STP:                | Near ETP                                                                                                      |    |      |      |      |      |      |      |
|                                                                  | Budgetary allocation (Capital cost):       | Rs 2500000                                                                                                    |    |      |      |      |      |      |      |
|                                                                  | Budgetary allocation (O & M cost):         | 100000                                                                                                        |    |      |      |      |      |      |      |
| 36.Solid waste Management                                        |                                            |                                                                                                               |    |      |      |      |      |      |      |
| Waste generation in the Pre Construction and Construction phase: | Waste generation:                          | Nil                                                                                                           |    |      |      |      |      |      |      |
|                                                                  | Disposal of the construction waste debris: | Nil                                                                                                           |    |      |      |      |      |      |      |
| Waste generation in the operation Phase:                         | Dry waste:                                 | NA                                                                                                            |    |      |      |      |      |      |      |
|                                                                  | Wet waste:                                 | NA                                                                                                            |    |      |      |      |      |      |      |
|                                                                  | Hazardous waste:                           | kindly refer point no. 45                                                                                     |    |      |      |      |      |      |      |
|                                                                  | Biomedical waste (If applicable):          | NA                                                                                                            |    |      |      |      |      |      |      |
|                                                                  | STP Sludge (Dry sludge):                   | 250 kg                                                                                                        |    |      |      |      |      |      |      |
|                                                                  | Others if any:                             | NA                                                                                                            |    |      |      |      |      |      |      |

|                                                              |                                                            |                                                                                             |
|--------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Mode of Disposal of waste:</b>                            | <b>Dry waste:</b>                                          | NA                                                                                          |
|                                                              | <b>Wet waste:</b>                                          | NA                                                                                          |
|                                                              | <b>Hazardous waste:</b>                                    | CHWTSDF, MWML, Taloja                                                                       |
|                                                              | <b>Biomedical waste (If applicable):</b>                   | NA                                                                                          |
|                                                              | <b>STP Sludge (Dry sludge):</b>                            | Will be use as manure for gardening                                                         |
|                                                              | <b>Others if any:</b>                                      | NA                                                                                          |
| <b>Area requirement:</b>                                     | <b>Location(s):</b>                                        | Production Area, Raw Material & Products Storage Area, Office Building, STP & ETP , Parking |
|                                                              | <b>Area for the storage of waste &amp; other material:</b> | Dedicated area is allocated near ETP                                                        |
|                                                              | <b>Area for machinery:</b>                                 | 1914 m2                                                                                     |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>                                       | Rs 342300000                                                                                |
|                                                              | <b>O &amp; M cost:</b>                                     | Rs 3400000                                                                                  |

### 37.Effluent Charecterestics

| Serial Number                         | Parameters   | Unit                                     | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|---------------------------------------|--------------|------------------------------------------|--------------------------------|---------------------------------|-------------------------------------|
| 1                                     | pH           | -                                        | 7-8                            | ZLD                             | 5.5-9.0                             |
| 2                                     | BOD          | mg/lit                                   | 2500-3500                      | ZLD                             | <100                                |
| 3                                     | COD          | mg/lit                                   | 5000-6000                      | ZLD                             | <250                                |
| 4                                     | TDS          | mg/lit                                   | 2000-300                       | ZLD                             | <2100                               |
| 5                                     | Oil & Grease | mg/lit                                   | <20                            | ZLD                             | <10                                 |
| Amount of effluent generation (CMD):  |              | 21.7 CMD                                 |                                |                                 |                                     |
| Capacity of the ETP:                  |              | 35 CMD                                   |                                |                                 |                                     |
| Amount of treated effluent recycled : |              | 35 CMD                                   |                                |                                 |                                     |
| Amount of water send to the CETP:     |              | ZLD                                      |                                |                                 |                                     |
| Membership of CETP (if require):      |              | Yes                                      |                                |                                 |                                     |
| Note on ETP technology to be used     |              | Primary, Secondary, Tertiary , MEE & ZLD |                                |                                 |                                     |
| Disposal of the ETP sludge            |              | CHWTSDF                                  |                                |                                 |                                     |

### 38.Hazardous Waste Details

| Serial Number | Description              | Cat  | UOM  | Existing | Proposed | Total | Method of Disposal       |
|---------------|--------------------------|------|------|----------|----------|-------|--------------------------|
| 1             | Spent Carbon             | 28.2 | MTPA | 6.18     | 00       | 6.18  | CHWTSDF                  |
| 2             | Spent Mother Liquor      | 28.4 | MTPA | 12       | 6        | 18    | Sale to authorized party |
| 3             | ETP Sludge               | 34.3 | MTPA | 8.6      | 8.1      | 16.7  | CHWTSDF                  |
| 4             | MEE Salts                | 37.3 | MTPA | 90       | 179      | 269   | CHWTSDF                  |
| 5             | Distillation Residue     | 20.3 | MTPA | 0        | 1.2      | 1.2   | CHWTSDF                  |
| 6             | Process Waste & Residue  | 28.1 | MTPA | 0        | 3        | 3     | CHWTSDF                  |
| 7             | Contaminated Filter Bags | 36.1 | MTPA | 0        | 1.2      | 1.2   | CHWTSDF                  |



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 28 of 52**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

| 8                                                                      | Used/spent oil                               | 5.1                                     | MTPA                                                                                                                                                                          | 0                                       | 5.4                   | 5.4                    | Sale to authorized party |  |  |  |  |  |  |
|------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------|------------------------|--------------------------|--|--|--|--|--|--|
| <b>39.Stacks emission Details</b>                                      |                                              |                                         |                                                                                                                                                                               |                                         |                       |                        |                          |  |  |  |  |  |  |
| Serial Number                                                          | Section & units                              | Fuel Used with Quantity                 | Stack No.                                                                                                                                                                     | Height from ground level (m)            | Internal diameter (m) | Temp. of Exhaust Gases |                          |  |  |  |  |  |  |
| 1                                                                      | Boiler ( one stand by & one operating)       | FO = 2.04 T/Day                         | 01 combined stack                                                                                                                                                             | 30                                      | 0.4                   | 125 deg. C             |                          |  |  |  |  |  |  |
| 2                                                                      | Thermo pack ( one stand by & one operating ) | LDO = 510 lit/day                       | 01 combined stack                                                                                                                                                             | 22                                      | 0.25                  | 150 deg. C             |                          |  |  |  |  |  |  |
| 3                                                                      | DG Sets ( no 02)                             | HSD = 600 lit/month                     | 042separate stack                                                                                                                                                             | 4.2-5                                   | 0.15                  | 135 deg. C             |                          |  |  |  |  |  |  |
| <b>40.Details of Fuel to be used</b>                                   |                                              |                                         |                                                                                                                                                                               |                                         |                       |                        |                          |  |  |  |  |  |  |
| Serial Number                                                          | Type of Fuel                                 | Existing                                | Proposed                                                                                                                                                                      | Total                                   |                       |                        |                          |  |  |  |  |  |  |
| 1                                                                      | L.D.O                                        | 150 lit/day                             | 360 lit/day                                                                                                                                                                   | 510 lit/day                             |                       |                        |                          |  |  |  |  |  |  |
| 2                                                                      | FO                                           | 00                                      | 2040 kg/day                                                                                                                                                                   | 2040 Kg/day                             |                       |                        |                          |  |  |  |  |  |  |
| 3                                                                      | HSD                                          | 420 lit/month                           | 180 lit/month                                                                                                                                                                 | 600 lit/month                           |                       |                        |                          |  |  |  |  |  |  |
| 41.Source of Fuel                                                      |                                              | Oil companies                           |                                                                                                                                                                               |                                         |                       |                        |                          |  |  |  |  |  |  |
| 42.Mode of Transportation of fuel to site                              |                                              | By Road                                 |                                                                                                                                                                               |                                         |                       |                        |                          |  |  |  |  |  |  |
| <b>43.Green Belt Development</b>                                       |                                              |                                         |                                                                                                                                                                               |                                         |                       |                        |                          |  |  |  |  |  |  |
|                                                                        |                                              | Total RG area :                         | 612 sq. m.                                                                                                                                                                    |                                         |                       |                        |                          |  |  |  |  |  |  |
|                                                                        |                                              | No of trees to be cut :                 | No tree will be cut                                                                                                                                                           |                                         |                       |                        |                          |  |  |  |  |  |  |
|                                                                        |                                              | Number of trees to be planted :         | 150                                                                                                                                                                           |                                         |                       |                        |                          |  |  |  |  |  |  |
|                                                                        |                                              | List of proposed native trees :         | Tectona grandis, terminalia arjuna, Ficus bengalensis, Ficus religiosa, Azardirachta indica, Sizigium cumini, Cassia fistula, Bougainvillea spectabilis, Lantana camara, etc. |                                         |                       |                        |                          |  |  |  |  |  |  |
|                                                                        |                                              | Timeline for completion of plantation : | Within Five year                                                                                                                                                              |                                         |                       |                        |                          |  |  |  |  |  |  |
| <b>44.Number and list of trees species to be planted in the ground</b> |                                              |                                         |                                                                                                                                                                               |                                         |                       |                        |                          |  |  |  |  |  |  |
| Serial Number                                                          | Name of the plant                            | Common Name                             | Quantity                                                                                                                                                                      | Characteristics & ecological importance |                       |                        |                          |  |  |  |  |  |  |
| 1                                                                      | Terminalia arjuna                            | Arjun                                   | 25                                                                                                                                                                            | pollution resistant and Native          |                       |                        |                          |  |  |  |  |  |  |
| 2                                                                      | Tectona grandis                              | Teak, saag                              | 25                                                                                                                                                                            | pollution resistant and Native          |                       |                        |                          |  |  |  |  |  |  |
| 3                                                                      | ficus bengalensis                            | Vaad                                    | 7                                                                                                                                                                             | pollution resistant and Native          |                       |                        |                          |  |  |  |  |  |  |
| 4                                                                      | Ficus religiosa                              | Pimpal                                  | 8                                                                                                                                                                             | pollution resistant and Native          |                       |                        |                          |  |  |  |  |  |  |
| 5                                                                      | Azardirachta indica                          | Neem                                    | 15                                                                                                                                                                            | pollution resistant and Native          |                       |                        |                          |  |  |  |  |  |  |
| 6                                                                      | Syzigium cumini                              | Jamun                                   | 15                                                                                                                                                                            | pollution resistant and Native          |                       |                        |                          |  |  |  |  |  |  |
| 7                                                                      | cassia fistula                               | Bahava                                  | 15                                                                                                                                                                            | pollution resistant and Native          |                       |                        |                          |  |  |  |  |  |  |
| 8                                                                      | Bougainvillea spectabilis                    | Bouganvel                               | 15                                                                                                                                                                            | pollution resistant and Native          |                       |                        |                          |  |  |  |  |  |  |
| 9                                                                      | Lantana camara                               | Ghaneri                                 | 25                                                                                                                                                                            | pollution resistant and Native          |                       |                        |                          |  |  |  |  |  |  |
| <b>45.Total quantity of plants on ground</b>                           |                                              |                                         |                                                                                                                                                                               |                                         |                       |                        |                          |  |  |  |  |  |  |

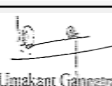


**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 29 of 52**

Signature:



Name: Dr. Umakant Dangat

**Dr. Umakant Dangat (Chairman SEAC-I)**

**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> | Source of power supply :                                      | MSEDCL                                                                                      |
|                           | During Construction Phase: (Demand Load)                      | NA                                                                                          |
|                           | DG set as Power back-up during construction phase             | NA                                                                                          |
|                           | During Operation phase (Connected load):                      | Existing : 500 KW ;Proposed : 1060 KW                                                       |
|                           | During Operation phase (Demand load):                         | Existing : 350 KW; Proposed : 750 KW                                                        |
|                           | Transformer:                                                  | Existing : 515 KVA ;Proposed : 1130 KVA                                                     |
|                           | DG set as Power back-up during operation phase:               | Existing 02 DG with capacity 250 KVA (2 No.) ; 200 KVA ( 1 no); 250 KVA Replaced by 380 KVA |
|                           | Fuel used:                                                    | HSD                                                                                         |
|                           | Details of high tension line passing through the plot if any: | No high tension line passing through through the plot                                       |

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

Nil

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

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
| 1             | NA                           | NA       |

**50.Details of pollution control Systems**

| Source      | Existing pollution control system | Proposed to be installed |
|-------------|-----------------------------------|--------------------------|
| Air         | Stack of adequate height          | Stack of adequate height |
| Water       | ETP ,RO and MEE                   | ETP ,RO and MEE          |
| Noise       | Acoustic enclosure                | Acoustic enclosure       |
| Solid Waste | Disposal to MWML                  | Disposal to MWML         |

**Budgetary allocation  
(Capital cost and  
O&M cost):**
**Capital cost:** 35 lac

**O & M cost:** 7 lac
**51.Environmental Management plan Budgetary Allocation****a) Construction phase (with Break-up):**

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|------------|-----------|------------------------------------|
|---------------|------------|-----------|------------------------------------|


**Abhay Pimparkar (Secretary  
SEAC-I)**
**SEAC Meeting No: 182nd -Day-1 Meeting Date:  
March 14, 2020**
**Page 30  
of 52**
**Signature:**   
**Name: Dr. Umakant Dangat**  
**Dr. Umakant Dangat**  
**(Chairman SEAC-I)**

| 1                                                                                 | NA                    | NA                  | NA                       |                                                        |                           |                  |                         |
|-----------------------------------------------------------------------------------|-----------------------|---------------------|--------------------------|--------------------------------------------------------|---------------------------|------------------|-------------------------|
| <b>b) Operation Phase (with Break-up):</b>                                        |                       |                     |                          |                                                        |                           |                  |                         |
| Serial Number                                                                     | Component             | Description         | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr)      |                           |                  |                         |
| 1                                                                                 | Air pollution control | 2 no. stacks        | 10                       | 0.5                                                    |                           |                  |                         |
| 2                                                                                 | Water Pollution       | ETP                 | 340                      | 16                                                     |                           |                  |                         |
| 3                                                                                 | Domestic Effluent     | STP                 | 20                       | 1                                                      |                           |                  |                         |
| 4                                                                                 | Noise                 | Acoustic enclosures | 5                        | nil                                                    |                           |                  |                         |
| 5                                                                                 | Process emissions     | 3 no. Scrubbers     | 16.5                     | 3.3                                                    |                           |                  |                         |
| <b>51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)</b> |                       |                     |                          |                                                        |                           |                  |                         |
| 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 |
| Methanol                                                                          | Liquid                | Under Ground        | 25 KL                    | 25 KL                                                  | 20                        | Local            | Road                    |
| IPA                                                                               | Liquid                | Under Ground        | 25 KL                    | 25 KL                                                  | 10                        | Local            | Road                    |
| Toluene                                                                           | Liquid                | Under Ground        | 25 KL                    | 25 KL                                                  | 5                         | Local            | Road                    |
| Acetone                                                                           | Liquid                | Under Ground        | 25 KL                    | 25 KL                                                  | 20                        | Local            | Road                    |
| Ethyl Acetate                                                                     | Liquid                | Under Ground        | 25 KL                    | 25 KL                                                  | 5                         | Local            | Road                    |
| Ammonia                                                                           | Liquid                | Tank farm           | 5 KL                     | 5 KL                                                   | 1                         | Local            | Road                    |
| MDC                                                                               | Liquid                | Tank Farm           | 5 KL                     | 5 KL                                                   | 2                         | Local            | Road                    |
| Acetic Anhydride                                                                  | Liquid                | Tank Farm           | 5 KL                     | 5 KL                                                   | 1                         | Local            | Road                    |
| <b>52.Any Other Information</b>                                                   |                       |                     |                          |                                                        |                           |                  |                         |
| No Information Available                                                          |                       |                     |                          |                                                        |                           |                  |                         |
| <b>53.Traffic Management</b>                                                      |                       |                     |                          |                                                        |                           |                  |                         |
| Nos. of the junction to the main road & design of confluence:                     |                       | Nil                 |                          |                                                        |                           |                  |                         |

|                  |                                                                                                         |                                   |
|------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------|
| Parking details: | Number and area of basement:                                                                            | Nil                               |
|                  | Number and area of podia:                                                                               | Nil                               |
|                  | Total Parking area:                                                                                     | 414                               |
|                  | Area per car:                                                                                           | NA                                |
|                  | Area per car:                                                                                           | NA                                |
|                  | Number of 2-Wheelers as approved by competent authority:                                                | NA                                |
|                  | Number of 4-Wheelers as approved by competent authority:                                                | NA                                |
|                  | Public Transport:                                                                                       | NA                                |
|                  | Width of all Internal roads (m):                                                                        | 3 m                               |
|                  | CRZ/ RRZ clearance obtain, if any:                                                                      | NA                                |
|                  | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | no protected area in 10 km circle |
|                  | Category as per schedule of EIA Notification sheet                                                      | 5 (I) B (1)                       |
|                  | Court cases pending if any                                                                              | Nil                               |
|                  | Other Relevant Informations                                                                             | NA                                |
|                  | Have you previously submitted Application online on MOEF Website.                                       | No                                |
|                  | Date of online submission                                                                               | -                                 |

### TOR Suggested Changes

| Consolidated Statement Point Number                                            | Original Remarks                                                                                 | Submitted Changes                                                                                                                                                                               |
|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Name of Project                                                             | Proposed expansion project of manufacturing of API intermediates and Specialty Chemicals         | Environmental Clearance for proposed expansion project of manufacturing of API, API intermediates and Specialty Chemicals Plot No. 55, 56, 57, 59 & 60 M.I.D.C. phase II Dombivli, Dist.- Thane |
| 3. Name of Project Proponent                                                   | Mr. Narendra Salvi                                                                               | Mr. Narendra Salvi, Aarti Industries Limited                                                                                                                                                    |
| 5. Type of Project                                                             | Not Applicable                                                                                   | Industrial                                                                                                                                                                                      |
| 11. Area of the project                                                        | Municipal corporation                                                                            | M.I.D.C. phase II Dombivli                                                                                                                                                                      |
| 18. Proposed Built-up Area (FSI & No-FSI)                                      | FSI area (sq. m.): Not applicable Non FSI area (sq. m.): Not applicable Total BUA area (sq. m.): | FSI Area (Sq. m): 99.77 Non FSI Area (Sq. m): -361.0 Total BUA Area (Sq. m): -261.23                                                                                                            |
| 19. Total Ground Coverage (M2)                                                 | Not applicable                                                                                   | 1255.44                                                                                                                                                                                         |
| 20. Ground-coverage percentage (%) ( Note: Percentage of plot not open to sky) | Not applicable                                                                                   | 33.3%                                                                                                                                                                                           |
| 21. Estimated cost of the project (In Lacs)                                    | 322800000                                                                                        | 395000000                                                                                                                                                                                       |



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 32 of 52**



**Dr. Umakant Dangat (Chairman SEAC-I)**

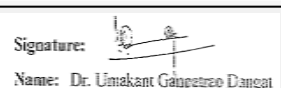
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 27. Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 12 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 28. Turning Radius for easy access of fire tender movement from all around the building excluding the width for the plantation | Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 9 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 29. Existing structure (s) if any                                                                                              | Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Manufacturing area, utility area, storage area, etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 31. Production Details                                                                                                         | 1. Bambuterol Hydrochloride: Existing 00 MT/M, Proposed 0.42 MT/M, Total 0.42 MT/M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1. Bambuterol Hydrochloride: Existing 00 TPA, Proposed 5.0 TPA, Total 5.0 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 31. Production Details                                                                                                         | 2. R-Salbutamol Sulphate Existing 00 MT/M, Proposed 0.83 MT/M, Total 0.83 MT/M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2. R-Salbutamol Sulphate Existing 00 TPA, Proposed 10 TPA, Total 10 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 31. Production Details                                                                                                         | 3. Deferiprone Existing 00 MT/M, Proposed - 0.42 MT/M, Total - 0.42 MT/M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3. Deferiprone Existing 00 TPA, Proposed - 5 TPA, Total 5 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 31. Production Details                                                                                                         | 4. Ranolazine Existing 0.2 MT/M, Proposed - (-) 0.2 MT/M, Total - 0.00 MT/M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4. Ranolazine Existing 2.4 TPA, Proposed - (-)2.4 TPA, Total 00 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 31. Production Details                                                                                                         | 5. Phenylperine Hydrochloride Existing 0.4 MT/M, Proposed - 0.85 MT/M, Total - 1.25 MT/M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5. Phenylperine Hydrochloride Existing 4.8 TPA, Proposed - 10.2 TPA, Total 15 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 31. Production Details                                                                                                         | 6. Budesonode (TTR) Existing 0.03 MT/M, Proposed - (-) 0.03 MT/M, Total - 00 MT/M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6. Budesonode (TTR) Existing 0.3552 TPA, Proposed - (-) 0.3552 TPA, Total 00 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 31. Production Details                                                                                                         | 7. PAN-IV(18,167,177,21-Tetrahydroxy pregna-1,4-dine-3,20-dione.) Existing 0.03 MT/M, Proposed - (-) 0.03 MT/M, Total - 00 MT/M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7. PAN-IV(18,167,177,21-Tetrahydroxy pregna-1,4-dine-3,20-dione.) Existing 0.3552 TPA, Proposed - (-) 0.3552 TPA, Total 00 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 31. Production Details                                                                                                         | 8. FLY -X (N-[(S)-1-Carboxy-1-butyl]-[S]-alanine) Existing 0.03 MT/M, Proposed -0.29 MT/M, Total - 0.32 MT/M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8. FLY -X (N-[(S)-1-Carboxy-1-butyl]-[S]-alanine) Existing 0.3552 TPA, Proposed - 3.4448 TPA, Total 3.8 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 31. Production Details                                                                                                         | 9. BA - III (N-[4-cyano-3-(trifluoromethyl)phenyl]-2-methyl-[(4-fluorophenyl)-thio]-2-hydroxy-2-methylpropanamide) Existing 0.03 MT/M, Proposed - (-) 0.03 MT/M, Total - 00 MT/M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9. BA - III (N-[4-cyano-3-(trifluoromethyl)phenyl]-2-methyl-[(4-fluorophenyl)-thio]-2-hydroxy-2-methylpropanamide) Existing 0.3552 TPA, Proposed - (-) 0.3552 TPA, Total 00 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 31. Production Details                                                                                                         | 10. TV-INT (Ethyl, R-(+)-(4-nitrobenzenesulfonyloxy)-4-phenyl butyrate) Existing 0.03 MT/M, Proposed 0.47 MT/M, Total - 0.5 MT/M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10. TV-INT (Ethyl, R-(+)-(4-nitrobenzenesulfonyloxy)-4-phenyl butyrate) Existing 0.3552 TPA, Proposed - 5.6448 TPA, Total 6.0 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 31. Production Details                                                                                                         | 11. Peridopril Erbumine Existing 0.0 MT/M, Proposed 0.17 MT/M, Total - 0.17 MT/M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 11. Peridopril Erbumine Existing 0 TPA, Proposed - 2 TPA, Total 2 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 31. Production Details                                                                                                         | 12. TTR IV ( (18,167,177,21-Tetrahydroxy pregna-1,4-dine-3,20-dione. Existing 0.0 MT/M, Proposed 0.1 MT/M, Total - 0.1 MT/M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 12. TTR IV ( (18,167,177,21-Tetrahydroxy pregna-1,4-dine-3,20-dione. Existing 0 TPA, Proposed - 1 TPA, Total 1 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 31. Production Details                                                                                                         | 13. FLY VIII (Benzyl(2S,3aS,7aS)-Octahydro-1H-Indole-2-carboxylate 4-Methylbenzenesulfonate) Existing 0.0 MT/M, Proposed 0.43 MT/M, Total - 0.43 MT/M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 13. FLY VIII (Benzyl(2S,3aS,7aS)-Octahydro-1H-Indole-2-carboxylate 4-Methylbenzenesulfonate) Existing 0 TPA, Proposed - 5.2 TPA, Total 5.2 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 31. Production Details                                                                                                         | 14. PR-38 - 4-[2-(1-Azepanyl)Ethoxy] Benzyl Chloride Hydrochloride 15. PR-86 - t-butyl-hydroxycyclohexyl methacrylate 16. PR-88 - (2,3,4,6-TETRA-O-BENZYL-D-GALACTOSE) 17. PR-89 - ((S)-1-BOC-3-HYDROXY PIPERIDINE) 18. PR-91 - (S)-2-AMINO-5-Methoxytetraline Hydrochloride 19. PR-92 - (S)-1,2,3,4-Tetrahydro-5-methoxy -N-propyl-2-naphthalenamine hydrochloride 20. PR-115 (N-Decyl-N,N-Dimethyl-3- Ammonio-1 -propane- Sulphonate) 21. PR-116-(S)-(Tetrahydrofuran-3-Yl)Hydrazine Hydrochloride 22. PR-156 - (2-Bromo-4-nitro imidazole) 23. PR-178 - (S,S)-2,8-Diazabicyclo[4.3.0]nonane 24. PR-179-(3-HYDROXY-N-METHYL-3-PHENYL-PROPYLAMINE) 25. PR-181 - CHLOROMETHYL CHLORO SULFATE Existing 0.0 MT/M, Proposed 2.25 MT/M, Total - 2.25 MT/M Note - Combine production capacity of PR-38,PR-86,PR-88,PR-89,PR-91, PR-92, PR-115,PR-116,PR-156,PR-178,PR-179,PR-181, will be 2.25 TPM | 14. PR-38 - 4-[2-(1-Azepanyl)Ethoxy] Benzyl Chloride Hydrochloride 15. PR-86 - t-butyl-hydroxycyclohexyl methacrylate 16. PR-88 - (2,3,4,6-TETRA-O-BENZYL-D-GALACTOSE) 17. PR-89 - ((S)-1-BOC-3-HYDROXY PIPERIDINE) 18. PR-91 - (S)-2-AMINO-5-Methoxytetraline Hydrochloride 19. PR-92 - (S)-1,2,3,4-Tetrahydro-5-methoxy -N-propyl-2-naphthalenamine hydrochloride 20. PR-115 (N-Decyl-N,N-Dimethyl-3- Ammonio-1 -propane- Sulphonate) 21. PR-116-(S)-(Tetrahydrofuran-3-Yl)Hydrazine Hydrochloride 22. PR-156 - (2-Bromo-4-nitro imidazole) 23. PR-178 - (S,S)-2,8-Diazabicyclo[4.3.0]nonane 24. PR-179-(3-HYDROXY-N-METHYL-3-PHENYL-PROPYLAMINE) 25. PR-181 - CHLOROMETHYL CHLORO SULFATE Existing 0.0 MTA, Proposed 27 MTA, Total - 27 MTA Note - Combine production capacity of (Sr. No 14 to 25) PR-38,PR-86,PR-88,PR-89,PR-91, PR-92, PR-115,PR-116,PR-156,PR-178,PR-179,PR-181, will be 27 TPA |
| 33. Details of Total water consumed                                                                                            | Domestic: Consumption (Existing 5.5 CMD, Proposed 13 CMD, Total 18.5 CMD), Loss (Existing 1.1 CMD, Proposed 2.9 CMD, Total 4 CMD), Effluent (Existing 4.4 CMD, Proposed 10.1 CMD, Total 14.5 CMD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Domestic: Consumption (Existing 5.5 CMD, Proposed 7.5 CMD, Total 13 CMD), Loss (Existing 1.1 CMD, Proposed 0.9 CMD, Total 2.0 CMD), Effluent (Existing 4.4 CMD, Proposed 6.6 CMD, Total 11 CMD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 33. Details of Total water consumed                                                                                            | Industrial Processing Consumption (Existing 21 CMD, Proposed 14 CMD, Total 35 CMD), Loss (Existing 8.6 CMD, Proposed 5.8 CMD, Total 14.4 CMD), Effluent (Existing 12.4 CMD, Proposed 8.2 CMD, Total 20.6 CMD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Industrial Processing Consumption (Existing 3 CMD, Proposed 10 CMD, Total 13 CMD), Loss (Existing 0.5 CMD, Proposed 1 CMD, Total 1.5 CMD), Effluent (Existing 2.5 CMD, Proposed 9 CMD, Total 11.5 CMD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 33. Details of Total water consumed                                                                                            | Cooling tower & Thermopack Consumption (Existing 4 CMD, Proposed 1.5 CMD, Total 5.5 CMD), Loss (Existing 3.2 CMD, Proposed 1.2 CMD, Total 4.4 CMD), Effluent (Existing 0.8 CMD, Proposed 0.3 CMD, Total 1.11 CMD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Cooling tower & Thermopack Consumption (Existing 4 CMD, Proposed 58 CMD, Total 62 CMD), Loss (Existing 2.7 CMD, Proposed 50.3 CMD, Total 53 CMD), Effluent (Existing 1.3 CMD, Proposed 7.7 CMD, Total 9 CMD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 33. Details of Total water consumed                                                                                            | Gardening Consumption (Existing 2 CMD, Proposed 4 CMD, Total 6 CMD), Loss (Existing 2 CMD, Proposed 4 CMD, Total 6 CMD), Effluent (Existing 0 CMD, Proposed 0 CMD, Total 0 CMD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Gardening Consumption (Existing 0 CMD, Proposed 6 CMD, Total 6 CMD), Loss (Existing 0 CMD, Proposed 6 CMD, Total 6 CMD), Effluent (Existing 0 CMD, Proposed 0 CMD, Total 0 CMD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 33. Details of Total water consumed                                                                                            | Fresh water Requirement Consumption (Existing 32.5 CMD, Proposed 37.5 CMD, Total 65 CMD), Loss (Existing 14.9 CMD, Proposed 13.9 CMD, Total 28.8 CMD), Effluent (Existing 17.8 CMD, Proposed 18.6 CMD, Total 36.2 CMD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Fresh water Requirement Consumption (Existing 12.5 CMD, Proposed 81.5 CMD, Total 94 CMD), Loss (Existing 4.3 CMD, Proposed 58.2 CMD, Total 62.5 CMD), Effluent (Existing 8.2 CMD, Proposed 23.3 CMD, Total 31.5 CMD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 34. Rain Water Harvesting (RWH)                                                                                                | i) Level of the Ground water table: will submit in EIA report ii) Size and no of RWH tank(s) and Quantity: will submit in EIA report iii) Location of the RWH tank(s): will submit in EIA report vi) Budgetary allocation (Capital cost): will submit in EIA report vii) Budgetary allocation (O & M cost): will submit in EIA report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | i) Level of the Ground water table: 5-10 m ii) Size and no of RWH tank(s) and Quantity: 30 m3, 1 No. iii) Location of the RWH tank(s): Near fire water tank vi) Budgetary allocation (Capital cost): Rs. 4.05 Lakhs vii) Budgetary allocation (O & M cost): Rs. 10,000/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 35. Storm water drainage                                                                                                       | i) Natural water drainage pattern: Provided by MIDC ii) Quantity of storm water: NA iii) Size of SWD: NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | i) Natural water drainage pattern: Provided as per natural slope ii) Quantity of storm water: 39.3 lit/s iii) Size of SWD: 0.5m x 0.5m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 36. Sewage and waste water                                                                                                     | i) Sewage generation KLD: 20 v) Budgetary allocation (Capital cost): Rs. 25,00,000 vi) Budgetary allocation (O & M cost): 100000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | i) Sewage generation KLD: 11 v) Budgetary allocation (Capital cost): Rs. 22,00,000 vi) Budgetary allocation (O & M cost): Rs. 1.6 Lakhs/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 37. Solid waste Management b. Waste generation in the operation Phase                                                          | Dry Waste: NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Dry Waste: Spent Carbon (Process): 50 TPA Spent Catalyst: 40 TPA ETP Sludge: 47 TPA MEE Salts: 185 TPA Distillation Residue: 90 TPA Process Waste & Residue: 40 TPA Contaminated Filter Bags: 1.2 TPA Discarded Drums: 2500 Nos/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 37. Solid waste Management b. Waste generation in the operation Phase                                                          | Wet Waste: NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Wet Waste: Spent Mother Liquor/Solvent: 1600 TPA Used/spent oil: 90 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 37. Solid waste Management b. Waste generation in the operation Phase                                                          | Hazardous waste: kindly refer point no. 45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Hazardous waste: Spent Carbon (Process): 50 TPA Spent Catalyst: 40 TPA ETP Sludge: 47 TPA MEE Salts: 185 TPA Distillation Residue: 90 TPA Process Waste & Residue: 40 TPA Contaminated Filter Bags: 1.2 TPA Discarded Drums: 2500 Nos/A Spent Mother Liquor/Solvent: 1600 TPA Used/spent oil: 90 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 37. Solid waste Management b. Waste generation in the operation Phase                                                          | Biomedical waste (If applicable): NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Biomedical waste (If applicable): 20 Kg/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 37. Solid waste Management b. Waste generation in the operation Phase                                                          | STP Sludge (Dry sludge): 250 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | STP Sludge (Dry sludge): 2.0 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 37. Solid waste Management b. Waste generation in the operation Phase                                                          | Others if any: NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Others if any: E-Waste: 0.1 TPA Battery waste: 0.5 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 37. Solid waste Management c. Mode of Disposal of waste:                                                                       | Dry waste: NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Dry waste: CHWTSDF or Sale to authorized party/recycler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 37. Solid waste Management c. Mode of Disposal of waste:                                                                       | Wet waste: NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Wet waste: CHWTSDF or Sale to authorized party/recycler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 37. Solid waste Management c. Mode of Disposal of waste:                                                                       | Hazardous waste: CHWTSDF, MWML, Taloja                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Hazardous waste: CHWTSDF or Sale to authorized party/recycler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 37. Solid waste Management c. Mode of Disposal of waste:                                                                       | Biomedical waste (If applicable): NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Biomedical waste (If applicable): Authorized BMW disposal site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 37. Solid waste Management c. Mode of Disposal of waste:                                                                       | STP Sludge (Dry sludge): Will be used as manure for gardening                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | STP Sludge (Dry sludge): Used as manure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



**Abhay Pimparkar (Secretary SEAC-I)**

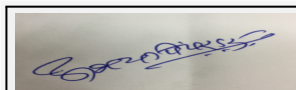
**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 33 of 52**



**Dr. Umakant Dangat (Chairman SEAC-I)**

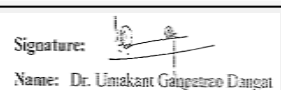
|                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 37. Solid waste Management c. Mode of Disposal of waste:                       | Others if any: NA                                                                                                                                                                                                                                                                                                                                                                                         | Others if any: Sale to authorized dismantlers / Recyclers/Buyback                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 37. Solid waste Management d. Area requirement                                 | Location(s): Production Area, Raw Material & Products Storage Area, Office Building, STP & ETP, Parking                                                                                                                                                                                                                                                                                                   | Location(s): Near ETP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 37. Solid waste Management d. Area requirement                                 | Area for the storage of waste & other material Dedicated area is allocated near ETP                                                                                                                                                                                                                                                                                                                       | Area for the storage of waste & other material : Dedicated storage area is provided to Hazardous waste storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 37. Solid waste Management d. Area requirement                                 | Area for machinery: 1914 m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                   | Area for machinery: Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 37. Solid waste Management E. Budgetary allocation (Capital cost and O&M cost) | i) Capital cost: Rs. 3423000000 ii) O & M cost Rs. 3400000                                                                                                                                                                                                                                                                                                                                                | i) Capital cost Rs. 6.35 cr ii) O & M cost Rs. 73.75 Lakhs/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 38. Effluent Characteristics                                                   | Inlet Effluent Characteristics: Parameters (pH: 7-8, BOD: 2500-3500 mg/lit, COD 5000-6000 mg/lit, TDS: 2000-300 mg/lit, oil & grease: <20 mg/lit), Outlet Effluent Characteristics: Parameters (pH: ZLD, BOD: ZLD, COD: ZLD, TDS: ZLD, oil & grease: ZLD), Effluent discharge standards (MPCB): Parameters (pH: 5.5-9.0, BOD: <100 mg/lit, COD <2500 mg/lit, TDS: <2100 mg/lit, oil & grease: <10 mg/lit) | Multiple Effect Evaporator Inlet to MEE- Parameters (Flow: 11.77 CMD, pH: 6.5-7, COD 18000-19000 mg/lit, TDS: 30000-31000 mg/lit), Reject from RO- Parameters (Flow: 7 CMD, pH: 7.0-7.5, COD <200mg/lit, TDS: 6500-7500 mg/lit), Outlet from MEE- Parameters (Flow: 22.5 (18.77+3.73)CMD, pH: 7.0-7.5, COD 9000-10000 mg/lit, TDS: < 100 mg/lit),                                                                                                                                                                                                                                                                                                                                                                          |
| 38. Effluent Characteristics                                                   | -----                                                                                                                                                                                                                                                                                                                                                                                                     | ETP treatment Inlet to primary- Parameters (Flow: 34.5 (12+22.5 evaporator outlet) CMD, pH: 6-6.5, COD 6000-6500 mg/lit, BOD <sub>3</sub> , 27°C 3000-3300 mg/lit, TDS: 1000-1500 mg/lit, TSS 150-200 mg/lit), Outlet from primary- Parameters (Flow: 34.5 CMD, pH: 7-7.5, COD 4000-5000 mg/lit, BOD <sub>3</sub> , 27°C 2000-2500 mg/lit, TDS: 1000-1500 mg/lit, TSS 50-100 mg/lit), Outlet from secondary- Parameters (Flow: 34.5 CMD, pH: 7-7.5, COD 600-650 mg/lit, BOD <sub>3</sub> , 27°C 50-100 mg/lit, TDS: 1000-1500 mg/lit, TSS 50-100 mg/lit), Outlet from tertiary- Parameters (Flow: 34.5 CMD, pH: 7-7.5, COD 200-250 mg/lit, BOD <sub>3</sub> , 27°C <100 mg/lit, TDS: 1000-1500 mg/lit, TSS 50-100 mg/lit), |
| 38. Effluent Characteristics                                                   | -----                                                                                                                                                                                                                                                                                                                                                                                                     | Reverse Osmosis Inlet to RO- Parameters (Flow: 34.5 CMD, pH: 7-7.5, TDS: 1000-1500 mg/lit), Permeate- Parameters (Flow: 27.5 CMD, pH: 7-7.5, TDS: <100 mg/lit), Reject- Parameters (Flow: 7 CMD, pH: 7-7.5, TDS: 6500-7500mg/lit),                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 38. Effluent Characteristics                                                   | Amount of effluent : 21.7 CMD                                                                                                                                                                                                                                                                                                                                                                             | Amount of effluent generation (CMD) : Effluent from Industrial Processing (8.5 CMD), from washing (3 CMD), cooling tower & boiler blow down (9.0 CMD) will be (20.5 CMD) treated in MEE,ETP and RO. Additional 3.2 CMD Effluent from plant D 53&D 54 will also be treated in the same ETP. Out of that high COD and TDS from process 11.77 CMD along with RO reject 7 CMD will be treated in MEE. Low TDS stream 12 CMD along with treated effluent from MEE (18.77 CMD) and steam condensate (3.73 CMD) will be treated in conventional ETP, so the total effluent load considering RO reject 7 + steam condensate 3.73 will be 34.5 CMD. Unit will be a complete ZLD unit.                                               |
| 38. Effluent Characteristics                                                   | Amount of treated effluent Recycled: 35 CMD                                                                                                                                                                                                                                                                                                                                                               | Amount of treated effluent Recycled: 27.5 CMD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 38. Effluent Characteristics                                                   | Membership of CETP (if require): Yes                                                                                                                                                                                                                                                                                                                                                                      | Membership of CETP (if require): Not Applicable, ZLD Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 38. Effluent Characteristics                                                   | Note on ETP technology to be used: Primary, Secondary, Tertiary, MEE & ZLD                                                                                                                                                                                                                                                                                                                                | Note on ETP technology to be used: High COD & TDS stream from process will be treated in Multi Effect Evaporator (MEE). Treated effluent and steam condensate from MEE along with Low COD and Low TDS stream will be treated in full-fledged ETP. Final treated water will be passed through RO and RO permeate is recycled and reused. RO reject is fed to MEE to achieve Zero Liquid Discharge.                                                                                                                                                                                                                                                                                                                          |
| 39. Hazardous Waste Details                                                    | Spent Carbon- Cat. No. 28.2 Existing 6.18 TPA, Proposed 00 TPA, Total 6.18 TPA Disposal CHWTSDF                                                                                                                                                                                                                                                                                                           | Spent Carbon- Cat. No. 28.3 Existing 6.0 TPA, Proposed 44.0 TPA, Total 50.0 TPA. Disposal CHWTSDF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 39. Hazardous Waste Details                                                    | Spent Mother Liquor/Solvent- Cat. No. 28.4 Existing 12 TPA, Proposed 6 TPA, Total 18 TPA Disposal Sale to authorized party                                                                                                                                                                                                                                                                                | Spent Mother Liquor/Solvent- Cat. No. 28.6 Existing 120 TPA, Proposed 1480 TPA, Total 1600 TPA Disposal Sale to authorized party.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 39. Hazardous Waste Details                                                    | ETP Sludge- Cat. No. 34.3 Existing 8.6 TPA, Proposed 8.1 TPA, Total 16.7 TPA Disposal CHWTSDF                                                                                                                                                                                                                                                                                                             | ETP Sludge- Cat. No. 35.3 Existing 3.6 TPA, Proposed 43.4 TPA, Total 47 TPA Disposal CHWTSDF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 39. Hazardous Waste Details                                                    | MEE Salts- Cat. No. 37.3 Existing 90 TPA, Proposed 179 TPA, Total 269 TPA Disposal CHWTSDF                                                                                                                                                                                                                                                                                                                | MEE Salts- Cat. No. 35.3 Existing 90 TPA, Proposed 95 TPA, Total 185 TPA Disposal CHWTSDF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 39. Hazardous Waste Details                                                    | Distillation Residue- Cat. No. 20.3 Existing 0 TPA, Proposed 1.2 TPA, Total 1.2 TPA Disposal CHWTSDF                                                                                                                                                                                                                                                                                                      | Distillation Residue- Cat. No. 20.3 Existing 0 TPA, Proposed 90 TPA, Total 90 TPA. Disposal CHWTSDF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 39. Hazardous Waste Details                                                    | Process Waste & Residue- Cat. No. 28.1 Existing 0 TPA, Proposed 3 TPA, Total 3 TPA Disposal CHWTSDF                                                                                                                                                                                                                                                                                                       | Process Waste & Residue- Cat. No. 28.1 Existing 0 TPA, Proposed 40 TPA, Total 40 TPA Disposal. CHWTSDF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 39. Hazardous Waste Details                                                    | Contaminated Filter Bags- Cat. No. 36.1 Existing 0 TPA, Proposed 1.2 TPA, Total 1.2 TPA Disposal CHWTSDF                                                                                                                                                                                                                                                                                                  | Contaminated Filter Bags- Cat. No. 33.1 Existing 0 TPA, Proposed 1.2 TPA, Total 1.2 TPA. Disposal CHWTSDF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 39. Hazardous Waste Details                                                    | Used/spent oil- Cat. No. 5.1 Existing 0 TPA, Proposed 5.4 TPA, Total 5.4 TPA Disposal Sale to authorized party                                                                                                                                                                                                                                                                                            | Used/spent oil- Cat. No. 5.1 Existing 0 TPA, Proposed 90 TPA, Total 90 TPA Disposal. Sale to authorized party                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 39. Hazardous Waste Details                                                    | -----                                                                                                                                                                                                                                                                                                                                                                                                     | Spent Catalyst- Cat. No. 28.2 Existing 0 TPA, Proposed 40 TPA, Total 40 TPA. Disposal Regenerated through authorized recycler.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 39. Hazardous Waste Details                                                    | -----                                                                                                                                                                                                                                                                                                                                                                                                     | Discarded Drums- Cat. No. 33.1 Existing 0 Nos., Proposed 2500 Nos., Total 2500 Nos. Disposal Sale to authorized recycler.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 39. Hazardous Waste Details                                                    | -----                                                                                                                                                                                                                                                                                                                                                                                                     | Other Waste: E-Waste- Existing 0 TPA, Proposed 0.1 TPA., Total 0.1 TPA Disposal Sale to authorized dismantlers / Recyclers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 39. Hazardous Waste Details                                                    | -----                                                                                                                                                                                                                                                                                                                                                                                                     | Other Waste: Battery waste- Existing 0 TPA, Proposed 0.2 TPA., Total 0.2 TPA Disposal Returned to battery manufacturer through authorized dealer on buy back procurement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 39. Hazardous Waste Details                                                    | -----                                                                                                                                                                                                                                                                                                                                                                                                     | Other Waste: Biomedical Waste- Existing 0 TPA, Proposed 20 kg/A., Total 20 kg/A., Disposal Disposed to Authorized BMW disposal authority                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 39. Hazardous Waste Details                                                    | -----                                                                                                                                                                                                                                                                                                                                                                                                     | Non Haz. Waste: Waste paper, Sweeping material, Etc. Existing 0 TPA, Proposed 0.5 TPA., Total 0.5 TPA Disposal Sale to authorized recycler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 39. Hazardous Waste Details                                                    | -----                                                                                                                                                                                                                                                                                                                                                                                                     | Non Haz. Waste: Pallet Existing 0 Nos., Proposed 1000 Nos., Total 1000 Nos. Disposal Sale to authorized recycler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 39. Hazardous Waste Details                                                    | -----                                                                                                                                                                                                                                                                                                                                                                                                     | Non Haz. Waste: STP Sludge Existing 0 TPA, Proposed 2.0 TPA., Total 2.0 TPA. Disposal Used as manure for gardening                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 40.Stacks emission Details                                                     | 1. Section & units - Boiler ( one stand by & one operating), Fuel Used with Quantity- FO = 2.04 T/Day, Stack No-01 combined stack, Height from Ground level (m)- 30, Internal Diameter (m)- 0.4, Temp. of Exhaust Gases- 125 OC                                                                                                                                                                           | 1. Section & units - Existing Boiler 2 TPH, Fuel Used with Quantity- 150 lit/day LDO will be replaced by FO 1020 Kg/d, Stack No-1, Height from Ground level (m)- 35 m combined, Internal Diameter (m)- 0.5, Temp. of Exhaust Gases- 135 OC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 40.Stacks emission Details                                                     | -----                                                                                                                                                                                                                                                                                                                                                                                                     | 2. Section & units - Proposed Boiler 3 TPH, Fuel Used with Quantity- FO 3800 Kg/day or CNG 3200 Kg/Day, Stack No-1, Height from Ground level (m)- 35 m combined for both boilers, Internal Diameter (m)- 0.5, Temp. of Exhaust Gases- 135 OC                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 40.Stacks emission Details                                                     | 2. Section & units - Thermo pack ( one stand by & one operating ), Fuel Used with Quantity- LDO = 510 lit/day, Stack No-01 combined stack, Height from Ground level (m)- 22, Internal Diameter (m)- 0.25, Temp. of Exhaust Gases- 150 OC                                                                                                                                                                  | 3. Section & units - Proposed Thermo pack 0.5 Lac Kcal/hr, Fuel Quantity- LDO 112 Kg/D, Stack No-1, Height from Ground level (m)- 22 m combined for both Thermopacks, Internal Diameter (m)- 0.4, Temp. of Exhaust Gases- 140 OC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 40.Stacks emission Details                                                     | -----                                                                                                                                                                                                                                                                                                                                                                                                     | 4. Section & units - Proposed TFH 1.0 LacKcal/hr, Fuel Quantity- LDO 225 Kg/D, Stack No-1, Height from Ground level (m)- 22 m combined for both Thermopacks, Internal Diameter (m)- 0.4, Temp. of Exhaust Gases- 140 OC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 40.Stacks emission Details                                                     | 3. Section & units - DG Sets ( no 02), Fuel Used with Quantity- HSD = 600 lit/month, Stack No-042 separate stack, Height from Ground level (m)- 4.2-5, Internal Diameter (m)- 0.15, Temp. of Exhaust Gases- 135 OC                                                                                                                                                                                        | 5. Section & units - Existing DG 200 KVA, Fuel Quantity- HSD 55 Lit/hr, Stack No-1, Height from Ground level (m)- 4 m. above enclosure, Internal Diameter (m)- 0.25, Temp. of Exhaust Gases- 150 OC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 40.Stacks emission Details                                                     | -----                                                                                                                                                                                                                                                                                                                                                                                                     | 6. Section & units - *Existing DG 250 KVA, Fuel Quantity- HSD 69 Lit/hr, Stack No-1, Height from Ground level (m)- 4.2 m. above enclosure, Internal Diameter (m)- 0.22, Temp. of Exhaust Gases- 150 OC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 40.Stacks emission Details                                                     | -----                                                                                                                                                                                                                                                                                                                                                                                                     | 7. Section & units - Proposed DG 380 KVA, Fuel Quantity- HSD 95 Lit/hr, Stack No-1, Height from Ground level (m)- 5 m. above enclosure, Internal Diameter (m)- 0.25, Temp. of Exhaust Gases- 150 OC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 40.Stacks emission Details                                                     | -----                                                                                                                                                                                                                                                                                                                                                                                                     | Note:*DG set of 250 KVA will be replaced by DG set of 380 KVA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 41.Details of Fuel to be used                                                  | Type of Fuel: LDO (Existing 150 lit/day, Proposed 360 lit/day, Total 510 lit/day)                                                                                                                                                                                                                                                                                                                         | Type of Fuel: LDO (Existing 150 kg/day, Proposed 187 kg/day, Total 337 kg/day).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 41.Details of Fuel to be used                                                  | Type of Fuel: FO (Existing 00 lit/day, Proposed 2040 lit/day, Total 2040 lit/day)                                                                                                                                                                                                                                                                                                                         | Type of Fuel: FO (Existing 00 kg/day, Proposed 4820 kg/day, Total 4820 kg/day)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 34 of 52**

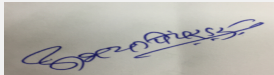


**Dr. Umakant Dangat (Chairman SEAC-I)**

|                                                                                           |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 41.Details of Fuel to be used                                                             | Type of Fuel: HSD (Existing 420 lit/month, Proposed 180 lit/month, Total 600 lit/month)                                                                                                                                                                                   | Type of Fuel: HSD (Existing 0.5 lit/hr, Proposed 218.5 lit/hr, Total 219.0 lit/month)                                                                                                                                                                                                                |
| 41.Details of Fuel to be used                                                             | -----                                                                                                                                                                                                                                                                     | Type of Fuel: CNG (Existing 00 kg/day, Proposed 3200 kg/day, Total 3200 kg/day)                                                                                                                                                                                                                      |
| 44. Green Belt Development                                                                | i) Total RG Area:612 Sq.m                                                                                                                                                                                                                                                 | i) Total RG Area:1255.44 Sq.m                                                                                                                                                                                                                                                                        |
| 51. Details of pollution control Systems                                                  | Budgetary allocation (Capital cost and O&M cost) Capital cost:35 Lac O&M cost:7 Lac                                                                                                                                                                                       | Budgetary allocation (Capital cost and O&M cost) Capital cost:223.15 Lacs O&M cost:185.37/Annum                                                                                                                                                                                                      |
| 52. Environmental Management plan Budgetary Allocation b. Operation Phase (with Break-up) | 1. Component-Air pollution control, Description- 2 no. stacks, Capital cost Rs. In Lacs-10, Operational and Maintenance cost (Rs. In Lacs/yr)- 0.5                                                                                                                        | 1. Component-Air pollution control, Description-Provision of new stack and increasing height of existing stack, Capital cost Rs. In Lacs-6.0, Operational and Maintenance cost (Rs. In Lacs/yr)- 3.7                                                                                                 |
| 52. Environmental Management plan Budgetary Allocation b. Operation Phase (with Break-up) | 2. Component- Water pollution, Description- ETP, Capital cost Rs. In Lacs-340, Operational and Maintenance cost (Rs. In Lacs/yr)- 16 3. Component- Domestic Effluent, Description- STP, Capital cost Rs. In Lacs-20, Operational and Maintenance cost (Rs. In Lacs/yr)- 1 | 2. Component- Water pollution control, Description- Maintenance of Existing ETP, MEE & RO and Provision of New STP, Capital cost Rs. In Lacs-208, Operational and Maintenance cost (Rs. In Lacs/yr)- 107.22                                                                                          |
| 52. Environmental Management plan Budgetary Allocation b. Operation Phase (with Break-up) | 3. Component- Noise, Description- Acoustic enclosures, Capital cost Rs. In Lacs-5, Operational and Maintenance cost (Rs. In Lacs/yr)- nil                                                                                                                                 | 3. Component- Noise pollution Control, Description-Provision of New DG Set with acoustic enclosure, Capital cost Rs. In Lacs-2.8, Operational and Maintenance cost (Rs. In Lacs/yr)- 0.7                                                                                                             |
| 52. Environmental Management plan Budgetary Allocation b. Operation Phase (with Break-up) | -----                                                                                                                                                                                                                                                                     | 4.Component- Occupational Health, Description-Medical checkup, Health insurance policy, Medical staff charges, First aid facilities, consumables, In-house first aid room, Other infrastructure and Equipment, Capital cost Rs. In Lacs-7.11, Operational and Maintenance cost (Rs. In Lacs/yr)- 3.0 |
| 52. Environmental Management plan Budgetary Allocation b. Operation Phase (with Break-up) | -----                                                                                                                                                                                                                                                                     | 5.Component- Environmental Monitoring Budget Description- Environmental Monitoring, Capital cost Rs. In Lacs-11, Operational and Maintenance cost (Rs. In Lacs/yr)- 7.1                                                                                                                              |
| 52. Environmental Management plan Budgetary Allocation b. Operation Phase (with Break-up) | -----                                                                                                                                                                                                                                                                     | 6.Component- Environmental Monitoring Budget Description- Environmental Monitoring, Capital cost Rs. In Lacs-11, Operational and Maintenance cost (Rs. In Lacs/yr)- 7.1                                                                                                                              |
| 52. Environmental Management plan Budgetary Allocation b. Operation Phase (with Break-up) | -----                                                                                                                                                                                                                                                                     | 7.Component- Hazardous waste Storage & disposal Description- Storage, Transportation and disposal, Capital cost Rs. In Lacs-6.35, Operational and Maintenance cost (Rs. In Lacs/yr)- 73.75                                                                                                           |
| 52. Environmental Management plan Budgetary Allocation b. Operation Phase (with Break-up) | -----                                                                                                                                                                                                                                                                     | 8.Component- Green belt Description- Development & Maintenance, Capital cost Rs. In Lacs- 4.5, Operational and Maintenance cost (Rs. In Lacs/yr)- 1.7                                                                                                                                                |
| 54. Traffic Management                                                                    | Parking area: 414 Sq.m                                                                                                                                                                                                                                                    | Parking area: 460.41 Sq.m                                                                                                                                                                                                                                                                            |
| 54. Traffic Management                                                                    | Width of all internal roads: 3m                                                                                                                                                                                                                                           | Width of all internal roads: 6m                                                                                                                                                                                                                                                                      |

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental Impacts of the project</b>           | PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits at site. |
| <b>Water Budget</b>                                   | PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.                                                                                                                                                                                                                                        |
| <b>Waste Water Treatment</b>                          | PP proposes to provide ZLD Effluent Treatment Plant.                                                                                                                                                                                                                                                                                                                             |
| <b>Drainage pattern of the project</b>                | PP considered the contour level in designing of the storm water drains.                                                                                                                                                                                                                                                                                                          |
| <b>Ground water parameters</b>                        | As per data submitted by PP ground water parameters are within the prescribed limits                                                                                                                                                                                                                                                                                             |
| <b>Solid Waste Management</b>                         | The details of solid waste management is given in the Sr. No. 36 & 38 of the Consolidated Statement.                                                                                                                                                                                                                                                                             |
| <b>Air Quality &amp; Noise Level issues</b>           | As per data submitted by PP Air Quality are within the prescribed limits at project site. PP to identify the sources of noise pollution and take measures to reduce noise level on site like provision of acoustic enclosures, isolation of noise making equipments, etc.                                                                                                        |
| <b>Energy Management</b>                              | The energy demand is 1100 KVA which will be supplied by MSEDCL.                                                                                                                                                                                                                                                                                                                  |
| <b>Traffic circulation system and risk assessment</b> | PP proposes to provide internal roads with six meter width and nine meter turning radius.                                                                                                                                                                                                                                                                                        |
| <b>Landscape Plan</b>                                 | PP proposes 40% green belt area                                                                                                                                                                                                                                                                                                                                                  |
| <b>Disaster management system and risk assessment</b> | PP carried out HAZOP and Risk Assessment and submitted DMP.                                                                                                                                                                                                                                                                                                                      |



**Abhay Pimparkar (Secretary SEAC-I)**

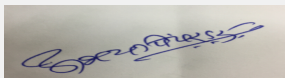
**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 35 of 52**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

|                                                                 |                                                                                                                              |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Socioeconomic impact assessment</b>                          | PP has carried out socio economic impact study and included in the EIA report.                                               |
| <b>Environmental Management Plan</b>                            | PP prepared EMP cost of Rs. 391.50 Lakh as capital cost and Rs,20.80 Lakh as O & M cost to maintain environmental parameters |
| <b>Any other issues related to environmental sustainability</b> | Not Applicable                                                                                                               |
| <b>Brief information of the project by SEAC</b>                 |                                                                                                                              |

SEAC-AGENDA-00000000418



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date:  
March 14, 2020**

**Page 36  
of 52**



**Dr. Umakant Dangat  
(Chairman SEAC-I)**

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 140th meeting of SEAC-1 held on 21.07.2017 where in Tor was granted..

As the industry is located in the notified industrial area/estate (MIDC), Public Hearing is exempted under the provisions as per para 7 III Stage (3) (b) of the EIA Notification, 2006.

Based on the presentation made by PP, committee decided to approve the TOR for the preparation of EIA/EMP report as per standard TOR and additional TOR points mentioned below.

1. PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2. PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, 33% green belt, rain water harvesting etc.
3. PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
4. PP to submit copy of structural stability certificate of existing structures.
5. PP to submit design details of ETP and submit an undertaking for achieving Zero Liquid Discharge.
6. PP to submit hazardous chemical handling protocol.
7. PP to submit design details of scrubber and boiler stack.
8. PP to carry out HAZOP and QRA and submit report. PP to submit copy of on site/off site emergency plan.
9. PP to provide adequate lightning arrestors.
10. PP to submit qualitative and quantitative socio economic impact study report.

PP to collect base line data as per Office Memorandum issued by MoEF&CC dated 27.08.2017.

PP submitted the EIA/EMP for appraisal in 156th meeting wherein the proposal was deferred for following reason.

During deliberations with the PP and their accredited consultant it was observed that, PP doesn't have any green belt within the premises and proposes it out side the plot boundary which is not acceptable as per OM issued by MoEF&CC dated 09.08.2018 which stipulates as below,

"The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department."

PP informed that, they will try to accommodate green belt within the premises and submit revised layout.

In view of above SEAC decided to defer the proposal till PP submits revised layout showing 33% green belt as per requirement.

The proposal was considered in the 158th meeting wherein the proposal was referred to the SEIAA for guidance on the following issue,

PP informed that, they have obtained these different plots from different owners. The details of the plots are as below,

| Sr.No | MIDC Plot No. | Plot Area in Sq.m. | Date of possession | Date of Amalgamation | Name of earlier owner company | Name of Current Owner company |
|-------|---------------|--------------------|--------------------|----------------------|-------------------------------|-------------------------------|
| 1     | D-55          | 800                | 12.08.1979         | 10.08.2017           | Alchemi Dye Chem Pvt. Ltd.    | Aarti Industries Ltd.         |
| 2     | D-56          | 720                | 13.08.1979         | 10.08.2017           | Gem Chem Industries           | Aarti Industries Ltd.         |
| 3     | D-57          | 720                | 17.11.1979         | 10.08.2017           | Medics Laboratories           | Aarti Industries Ltd.         |
| 4     | D-59          | 720                | 09.08.1979         | 10.08.2017           | Argenta Chemical Pvt. Ltd.    | Aarti Industries Ltd.         |
| 5     | D-60          | 800                | 31.12.1979         | 10.08.2017           | Auromic Chemicals             | Aarti Industries Ltd.         |

During deliberations with the PP and their accredited consultant, it is observed that, total plot area is not sufficient to accommodate 33% green belt. PP proposes 22% green belt within the plot area and proposes remaining 11% on the adjacent area obtained from MIDC on lease for five years.

The OM issued by MoEF&CC dated 09.08.2018 stipulates as below,

"The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department."

SEAC is of the opinion that, PP can not fulfill the above requirement of green belt development on their industrial plot.

PP submitted that development of 33% green belt at the time of expansion of existing industry is not practically possible because old industrial plots having limitations of the plot size and requested to bring these facts to the notice of the SEIAA and seek their guidance.

In view of above, SEAC decided to refer the matter to the SEIAA for guidance whether deficit of 33% green belt can be compensated through plantation on adjacent MIDC land taken on lease for compliance of the condition as stipulated in the OM issued by MoEF&CC dated 09.08.2018.

The SEIAA considered the proposal in their 161st meeting held on 14.03.2019 wherein following instruction given to the SEAC-1.

**".....In view of above authority decided to refer back the proposal to SEAC-1 allowing Aarti Industries to develop the deficit green belt (11.5%) out side the plot, on MIDC land with the permission of MIDC to meet the requirement of 33% of green belt."**

As per directions given by the SEIAA, SEAC-1 considered the proposal in its 166th A meeting held on 14.06.2019 and decided as below,

"During deliberations it was observed that, PP proposes to develop green belt along the periphery out side their plot on MIDC land for which registered lease agreement is yet to be executed between MIDC and PP.

Hence, SEAC-1 decided to defer the proposal till PP submits registered lease document mentioning therein lease period co-terminus with the lease agreement of the industrial plot of the PP."

The proposal was considered in the 172nd meeting of SEAC-1 wherein following decision was taken,

During deliberation it was also noticed that, the CPCB issued letter dated 25.10.2019 with reference to the Hon'ble NGT order dated 23.08.2019 and communicated the mechanism for environmental management of the Critically and Severely Polluted area and consideration of activities/projects in such areas in compliance to the Hon'ble NGT order dated 23.08.2019 in the matter of O.A. No. 1038/2018.

The mechanism for consideration of proposal for Environmental Clearance in the Critically and Severely Polluted area is mentioned as below,

**para B : Consideration of proposals for grant of Environmental Clearance for new and expansion activities listed in the 'Red' and 'Orange' Categories located in the Critically Polluted Areas and Severely Polluted Areas:**

i. Any project or activity specified in category B1 will be appraised at the Central level, if located in whole or in part within 5 km from the boundary of Critically Polluted Areas (CPA's) or Severely Polluted Areas (SPA's). However, Category B2 projects shall be considered at state level stipulating Environmental Clearance condition as applicable for Category B1 project/activities.

ii. Proposals located in CPAs and SPAs may be examined by the Sectorial Expert Appraisal Committee (EAC) during scoping/appraisal based on the CEPI scores of Air/Water/land Environment as published by CPCB from time to time. In such proposals, appropriate mitigation measures for the environment possessing higher score may be made by EAC in the form of recommendations/decisions. These recommendations may be explicitly mentioned in the Terms of References/Environmental Clearance letter and to be ensured by the member secretary concerned.

The proposal under reference is located in the Navi Mumbai area which is placed at Sr. No. 51 in the Hon'ble NGT order dated 10.07.2019 which will have to be considered as category "A" proposal.

In view of above, SEAC-1 decided to refer the proposal to the SEIAA to confirm as above.

The SEIAA considered the proposal in 185th meeting held on 10.01.2020 and directed to consider in SEAC-1 as per OM No. 22-23/2018-IA.III of MoEF&CC dated 30.12.2019.

In view of above, SEAC-1 considered the proposal for appraisal.

The proposal was earlier considered in the 178th meeting of SEAC-1 held on 17.02.2020 wherein following decision was taken,

During deliberations it was observed that, the proposed project located in the Severely Polluted Area as identified by the CPCB.

PP has not submitted point wise compliance of the conditions stipulated in the OM issued by MEFC&CC dated 31.10.2019 in this regard.

Hence, SEAC-1 decided to defer the proposal till PP submits point wise compliance of conditions stipulated in the OM issued by MEFC&CC dated 31.10.2019.

Non PP submitted the compliance report.  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 37 of 52**

Signature:   
Name: **Dr. Umakant Dangat**  
**Dr. Umakant Dangat (Chairman SEAC-I)**

## DECISION OF SEAC

After deliberations with the PP and their accredited consultant SEAC-1 decided to recommend the proposal for prior Environmental Clearance subject to the following conditions.

### Specific Conditions by SEAC:

- 1) PP to ensure to submit yearly motioning on compliance of EC conditions through third party audit.
- 2) PP to prepare safety related training modules in Marathi and Hindi and impart training to all concern staff so as to increase its effectiveness.
- 3) PP to prepare and implement CER plan (Rs. 44 Lakhs) for creating social infrastructures like sanitation facilities, clean drinking water and solar energy to the Z.P.Schools within the study area in consultation with the District Collector.
- 4) PP to ensure strict compliance of the stringent conditions as stipulated in the OM issued by MoEF&CC dated 31.10.2019.

## FINAL RECOMMENDATION

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

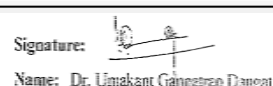
SEAC-AGENDA-0000000410



Abhay Pimparkar (Secretary  
SEAC-I)

SEAC Meeting No: 182nd -Day-1 Meeting Date:  
March 14, 2020

Page 38  
of 52



Name: Dr. Umakant Dangat  
Dr. Umakant Dangat  
(Chairman SEAC-I)

## 182nd Meeting of State Level Expert Appraisal Committee (SEAC-1)

**SEAC Meeting number: 182nd -Day-1 Meeting Date March 14, 2020**

**Subject:** Environment Clearance for Proposed project for expansion in existing products & addition of new products for manufacturing of Active Pharmaceutical Ingredients & intermediates by Auro Laboratories Limited at Plot No.: K-56, MIDC Tarapur, Dist. Palghar, Maharashtra 401506.

**Is a Violation Case:** No

|                                                                                                               |                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1.Name of Project</b>                                                                                      | Proposed project for expansion in existing products & addition of new products for manufacturing of Active Pharmaceutical Ingredients & intermediates by Auro Laboratories Limited at Plot No.: K-56, MIDC Tarapur, Dist. Palghar, Maharashtra 401506. |
| <b>2.Type of institution</b>                                                                                  | Private                                                                                                                                                                                                                                                |
| <b>3.Name of Project Proponent</b>                                                                            | Mr. Siddhartha Deorah, Auro Laboratories Limited                                                                                                                                                                                                       |
| <b>4.Name of Consultant</b>                                                                                   | Goldfinch Engineering Systems Private Limited                                                                                                                                                                                                          |
| <b>5.Type of project</b>                                                                                      | Industrial- Manufacturing of Active Pharmaceutical Ingredients & intermediates                                                                                                                                                                         |
| <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> | No.Environmental Clearance is not required for existing activity as after establishment Auro have not done any expansion after EIA notification 2006.                                                                                                  |
| <b>8.Location of the project</b>                                                                              | Plot No. K-56, MIDC Tarapur, Dist. Palghar, Maharashtra 401506                                                                                                                                                                                         |
| <b>9.Taluka</b>                                                                                               | Palghar                                                                                                                                                                                                                                                |
| <b>10.Village</b>                                                                                             | Salvad                                                                                                                                                                                                                                                 |
| <b>Correspondence Name:</b>                                                                                   | Mr. Siddhartha Deorah                                                                                                                                                                                                                                  |
| <b>Room Number:</b>                                                                                           | 314                                                                                                                                                                                                                                                    |
| <b>Floor:</b>                                                                                                 | Not Applicable                                                                                                                                                                                                                                         |
| <b>Building Name:</b>                                                                                         | T. V. Industrial Estate                                                                                                                                                                                                                                |
| <b>Road/Street Name:</b>                                                                                      | S. K. Ahire Marg                                                                                                                                                                                                                                       |
| <b>Locality:</b>                                                                                              | Worli                                                                                                                                                                                                                                                  |
| <b>City:</b>                                                                                                  | Mumbai                                                                                                                                                                                                                                                 |
| <b>11.Whether in Corporation / Municipal / other area</b>                                                     | MIDC Tarapur                                                                                                                                                                                                                                           |
| <b>12.IOD/IOA/Concession/Plan Approval Number</b>                                                             | Not Applicable<br><b>IOD/IOA/Concession/Plan Approval Number:</b> Not Applicable<br><b>Approved Built-up Area:</b> 6420                                                                                                                                |
| <b>13.Note on the initiated work (If applicable)</b>                                                          | For proposed expansion work will be initiated after getting EC                                                                                                                                                                                         |
| <b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>                                         | Not applicable                                                                                                                                                                                                                                         |
| <b>15.Total Plot Area (sq. m.)</b>                                                                            | 4280 Sq. Mtr.                                                                                                                                                                                                                                          |
| <b>16.Deductions</b>                                                                                          | Not applicable                                                                                                                                                                                                                                         |
| <b>17.Net Plot area</b>                                                                                       | Not applicable                                                                                                                                                                                                                                         |
| <b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>                                                      | <b>a) FSI area (sq. m.):</b> 6420                                                                                                                                                                                                                      |
|                                                                                                               | <b>b) Non FSI area (sq. m.):</b> Not applicable                                                                                                                                                                                                        |
|                                                                                                               | <b>c) Total BUA area (sq. m.):</b> 2775.48                                                                                                                                                                                                             |
| <b>18 (b).Approved Built up area as per DCR</b>                                                               | <b>Approved FSI area (sq. m.):</b> 6420                                                                                                                                                                                                                |
|                                                                                                               | <b>Approved Non FSI area (sq. m.):</b> Not applicable                                                                                                                                                                                                  |
|                                                                                                               | <b>Date of Approval:</b> 01-04-2019                                                                                                                                                                                                                    |
| <b>19.Total ground coverage (m2)</b>                                                                          | 1198.86 Sq.m.                                                                                                                                                                                                                                          |
| <b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>                           | 28.01                                                                                                                                                                                                                                                  |
| <b>21.Estimated cost of the project</b>                                                                       | 267900000                                                                                                                                                                                                                                              |

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date:  
March 14, 2020**

**Page 39  
of 52**

  
**Signature:**  
**Name: Dr. Umakant Dangat**  
**Dr. Umakant Dangat (Chairman SEAC-I)**

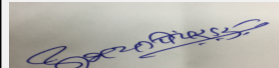
## 22. Number of buildings & its configuration

| Serial number                                                                                                                  | Building Name & number                                                                                       | Number of floors | Height of the building (Mtrs) |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------|-------------------------------|
| 1                                                                                                                              | Not applicable                                                                                               | Not applicable   | Not applicable                |
| 23. Number of tenants and shops                                                                                                | Not applicable                                                                                               |                  |                               |
| 24. Number of expected residents / users                                                                                       | Not applicable                                                                                               |                  |                               |
| 25. Tenant density per hectare                                                                                                 | Not applicable                                                                                               |                  |                               |
| 26. Height of the building(s)                                                                                                  |                                                                                                              |                  |                               |
| 27. Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | 9 m                                                                                                          |                  |                               |
| 28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 6 m                                                                                                          |                  |                               |
| 29. Existing structure (s) if any                                                                                              | Existing building having admin, store & QC dept. will be demolished to align the expansion project properly. |                  |                               |
| 30. Details of the demolition with disposal (If applicable)                                                                    | Details are provided in EIA report as Annexure XII.                                                          |                  |                               |

## 31. Production Details

| Serial Number | Product                          | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|----------------------------------|-----------------|-----------------|--------------|
| 1             | Metformin                        | 60 MT/A         | (-) 60 MT/A     | 0            |
| 2             | Metformin HCL & Metformin HCL DC | Not Applicable  | 9600 MT/A       | 9600 MT/A    |
| 3             | Chlorphenamine Maleate           | Not Applicable  | 12 MT/A         | 12 MT/A      |
| 4             | Glimepiride                      | Not Applicable  | 1.2 MT/A        | 1.2 MT/A     |
| 5             | Glipizide                        | Not Applicable  | 1.2 MT/A        | 1.2 MT/A     |
| 6             | Gliclazide                       | Not Applicable  | 1.2 MT/A        | 1.2 MT/A     |
| 7             | Glibenclamide                    | Not Applicable  | 1.2 MT/A        | 1.2 MT/A     |
| 8             | Chloroxazone                     | Not Applicable  | 120 MT/A        | 120 MT/A     |
| 9             | Total                            | 60 MT/A         | 9676.8 MT/A     | 9736.8 MT/A  |

## 32. Total Water Requirement



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 40 of 52**

Signature:



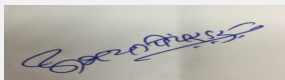
Name: Dr. Umakant Dangat

**Dr. Umakant Dangat (Chairman SEAC-I)**

|                                   |                                              |                |
|-----------------------------------|----------------------------------------------|----------------|
| Dry season:                       | Source of water                              | Not applicable |
|                                   | Fresh water (CMD):                           | Not applicable |
|                                   | Recycled water - Flushing (CMD):             | Not applicable |
|                                   | Recycled water - Gardening (CMD):            | Not applicable |
|                                   | Swimming pool make up (Cum):                 | Not applicable |
|                                   | Total Water Requirement (CMD) :              | Not applicable |
|                                   | Fire fighting - Underground water tank(CMD): | Not applicable |
|                                   | Fire fighting - Overhead water tank(CMD):    | Not applicable |
|                                   | Excess treated water                         | Not applicable |
| Wet season:                       | Source of water                              | Not applicable |
|                                   | Fresh water (CMD):                           | Not applicable |
|                                   | Recycled water - Flushing (CMD):             | Not applicable |
|                                   | Recycled water - Gardening (CMD):            | Not applicable |
|                                   | Swimming pool make up (Cum):                 | Not applicable |
|                                   | Total Water Requirement (CMD) :              | Not applicable |
|                                   | Fire fighting - Underground water tank(CMD): | Not applicable |
|                                   | Fire fighting - Overhead water tank(CMD):    | Not applicable |
|                                   | Excess treated water                         | Not applicable |
| Details of Swimming pool (If any) |                                              | Not applicable |

### 33.Details of Total water consumed

| Particulars                | Consumption (CMD) |          |        | Loss (CMD) |          |       | Effluent (CMD) |          |       |
|----------------------------|-------------------|----------|--------|------------|----------|-------|----------------|----------|-------|
|                            | Existing          | Proposed | Total  | Existing   | Proposed | Total | Existing       | Proposed | Total |
| Domestic                   | 4.0               | 1.0      | 5.0    | 01.0       | 0.2      | 1.2   | 3.00           | 0.8      | 3.8   |
| Industrial Process         | 16                | 23       | 39     | 1          | 1        | 2     | 15             | 22       | 37    |
| Cooling tower & thermopack | 9.0               | 137.0    | 146.00 | 5.0        | 129.0    | 134.0 | 4.0            | 8.0      | 12.0  |
| Gardening                  | 1.0               | 7.0      | 8.0    | 1.0        | 7.0      | 8.0   | 0.0            | 0.0      | 0.0   |



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020

Page 41 of 52

Signature:



Name: Dr. Umakant Dangat

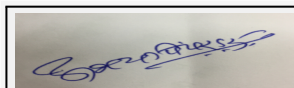
Dr. Umakant Dangat (Chairman SEAC-I)

|                         |                                            |                      |       |     |       |       |      |      |      |
|-------------------------|--------------------------------------------|----------------------|-------|-----|-------|-------|------|------|------|
| Fresh water requirement | 30.0                                       | 168.0                | 198.0 | 8.0 | 137.2 | 145.2 | 22.0 | 30.8 | 52.8 |
| Fresh water requirement | Additional steam condensate from MEE       | --                   | --    | --  | --    | --    | --   | --   | 5.28 |
| Fresh water requirement | Water Recycled                             | 58.08<br>(52.8+5.28) | --    | --  | --    | --    | --   | --   | --   |
| Fresh water requirement | Total fresh water required 2nd day onwards | 139.92               | --    | --  | --    | --    | --   | --   | --   |

|                                       |                                                 |                                                                              |
|---------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------|
| <b>34.Rain Water Harvesting (RWH)</b> | <b>Level of the Ground water table:</b>         | 5 to 10 m                                                                    |
|                                       | <b>Size and no of RWH tank(s) and Quantity:</b> | Rain water will be collected in existing raw water tank of 100 m3            |
|                                       | <b>Location of the RWH tank(s):</b>             | UG water Tank - Near ETP                                                     |
|                                       | <b>Quantity of recharge pits:</b>               | Not applicable as collected water will be reused.                            |
|                                       | <b>Size of recharge pits :</b>                  | Not applicable as collected water will be reused.                            |
|                                       | <b>Budgetary allocation (Capital cost) :</b>    | Already included in capital cost                                             |
|                                       | <b>Budgetary allocation (O &amp; M cost) :</b>  | Already included in capital cost                                             |
|                                       | <b>Details of UGT tanks if any :</b>            | Water Tank - Existing- 1 No.: 100 M3, proposed fire water tank-1 No.: 100 M3 |

|                                |                                        |                                                                                |
|--------------------------------|----------------------------------------|--------------------------------------------------------------------------------|
| <b>35.Storm water drainage</b> | <b>Natural water drainage pattern:</b> | Proper and separate storm water drains will be provided as per natural slopes. |
|                                | <b>Quantity of storm water:</b>        | 190 mm of rain fall per hr, 0.5 runoff coeff.= 111.72 m3/hr., 0.031 m3/s       |
|                                | <b>Size of SWD:</b>                    | 0.4 m x 0.35 m x 0.4 m                                                         |

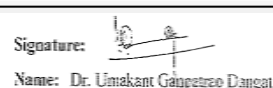
|                               |                                               |                                                                                      |
|-------------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Sewage and Waste water</b> | <b>Sewage generation in KLD:</b>              | 3.8                                                                                  |
|                               | <b>STP technology:</b>                        | Domestic Sewage will be treated in secondary treatment of ETP as combined treatment. |
|                               | <b>Capacity of STP (CMD):</b>                 | Not Applicable                                                                       |
|                               | <b>Location &amp; area of the STP:</b>        | Not Applicable                                                                       |
|                               | <b>Budgetary allocation (Capital cost):</b>   | Not Applicable                                                                       |
|                               | <b>Budgetary allocation (O &amp; M cost):</b> | Not Applicable                                                                       |



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 42 of 52**



**Dr. Umakant Dangat (Chairman SEAC-I)**

### 36.Solid waste Management

|                                                                         |                                                            |                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Waste generation in the Pre Construction and Construction phase:</b> | <b>Waste generation:</b>                                   | Quantity will be provided at the time of EIA                                                                                                                                                                                                                                                                                  |
|                                                                         | <b>Disposal of the construction waste debris:</b>          | Within premises in low lying area                                                                                                                                                                                                                                                                                             |
| <b>Waste generation in the operation Phase:</b>                         | <b>Dry waste:</b>                                          | • Hazardous Waste: • Discarded containers/barrels/HDPE bags - 1764 Nos./M, Non-Hazardous Waste: • Waste paper - 330 kg/A • Boiler Ash -118800 kg/A                                                                                                                                                                            |
|                                                                         | <b>Wet waste:</b>                                          | • Hazardous Waste: • ETP Sludge - 23.61 TPA • MEE salts -13.38 TPA • Spent Carbon from process - 4.96 TPA ; • Process Residue - 7.92 TPA; • Spent Carbon from ETP- 7.78 TPA                                                                                                                                                   |
|                                                                         | <b>Hazardous waste:</b>                                    | • Hazardous Waste: • ETP Sludge - 23.61 TPA • MEE salts -13.38 TPA • Spent Carbon from process - 4.96 TPA • Process Residue - 7.92 TPA • Discarded containers/barrels& liners used for HW/Chemicals 1764 nos./M ; • Spent Carbon from ETP- 7.78 TPA • Non-Hazardous Waste: • Waste paper- 330 kg/A • Boiler Ash - 118800 kg/A |
|                                                                         | <b>Biomedical waste (If applicable):</b>                   | Not Applicable                                                                                                                                                                                                                                                                                                                |
|                                                                         | <b>STP Sludge (Dry sludge):</b>                            | Not Applicable                                                                                                                                                                                                                                                                                                                |
|                                                                         | <b>Others if any:</b>                                      | • E-Waste- 102 kg/A • Battery waste- 200.04 kg/A                                                                                                                                                                                                                                                                              |
| <b>Mode of Disposal of waste:</b>                                       | <b>Dry waste:</b>                                          | MPCB authorized party for reuse                                                                                                                                                                                                                                                                                               |
|                                                                         | <b>Wet waste:</b>                                          | CHWTSDF//To MPCB authorized recyclers                                                                                                                                                                                                                                                                                         |
|                                                                         | <b>Hazardous waste:</b>                                    | CHWTSDF//To MPCB authorized recyclers                                                                                                                                                                                                                                                                                         |
|                                                                         | <b>Biomedical waste (If applicable):</b>                   | Not Applicable                                                                                                                                                                                                                                                                                                                |
|                                                                         | <b>STP Sludge (Dry sludge):</b>                            | Not Applicable                                                                                                                                                                                                                                                                                                                |
|                                                                         | <b>Others if any:</b>                                      | Sale to authorized dismantlers/Recyclers.                                                                                                                                                                                                                                                                                     |
| <b>Area requirement:</b>                                                | <b>Location(s):</b>                                        | Near ETP area                                                                                                                                                                                                                                                                                                                 |
|                                                                         | <b>Area for the storage of waste &amp; other material:</b> | Area for the storage of Hazardous waste 16 Sq.m.                                                                                                                                                                                                                                                                              |
|                                                                         | <b>Area for machinery:</b>                                 | Not applicable                                                                                                                                                                                                                                                                                                                |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b>            | <b>Capital cost:</b>                                       | 27000                                                                                                                                                                                                                                                                                                                         |
|                                                                         | <b>O &amp; M cost:</b>                                     | 8.8 lacs/A                                                                                                                                                                                                                                                                                                                    |

### 37.Effluent Charecterestics

| Serial Number                         | Parameters            | Unit                                    | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|---------------------------------------|-----------------------|-----------------------------------------|--------------------------------|---------------------------------|-------------------------------------|
| 1                                     | pH                    | --                                      | 6.0-7.0                        | 7.0-7.5                         | 7.0-7.5                             |
| 2                                     | BOD <sub>3,27°C</sub> | mg/lit                                  | 1500-1750                      | 50-100                          | < 100                               |
| 3                                     | COD                   | mg/lit                                  | 3000-3500                      | 100-200                         | < 250                               |
| 4                                     | TSS                   | mg/lit                                  | 400-500                        | <30                             | < 100                               |
| 5                                     | TDS                   | mg/lit                                  | 800-1000                       | 500-700                         | < 2100                              |
| Amount of effluent generation (CMD):  |                       | Industrial: 49.00 CMD Domestic: 3.8 CMD |                                |                                 |                                     |
| Capacity of the ETP:                  |                       | 60 CMD                                  |                                |                                 |                                     |
| Amount of treated effluent recycled : |                       | 58.08 CMD                               |                                |                                 |                                     |



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 43 of 52**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Amount of water send to the CETP: | Not Applicable as this unit will be run on Zero Liquid Discharge (ZLD) Basis.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Membership of CETP (if require):  | Not Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Note on ETP technology to be used | Industrial Effluent 49.00 CMD including cooling tower & Boiler blow downs will be treated in primary treatment. Primary treated wastewater along with domestic waste water of 3.8 CMD will be subjected to two-stage biodegradation as secondary treatment. The outlet of the secondary treatment will be pumped to Pressure Sand Filter (PSF) followed by Activated Carbon Filter (ACF). This effluent is then passed through Reverse Osmosis (RO). RO permeate will be will be reuse/recycle. RO reject will be ev |
| Disposal of the ETP sludge        | CHWTSDF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

### 38.Hazardous Waste Details

| Serial Number | Description                            | Cat  | UOM       | Existing         | Proposed          | Total             | Method of Disposal                                                                 |
|---------------|----------------------------------------|------|-----------|------------------|-------------------|-------------------|------------------------------------------------------------------------------------|
| 1             | Process waste sludge / residue         | 28.1 | T/A       | 0.048            | 7.7872            | 7.92              | To CHWTSDF                                                                         |
| 2             | ETP Sludge                             | 35.3 | T/A       | 1.8              | 21.81             | 23.61             | To CHWTSDF                                                                         |
| 3             | MEE salts                              | 35.3 | T/A       | --               | 13.38             | 13.38             | To CHWTSDF                                                                         |
| 4             | Spent Carbon from ETP                  | 35.3 | T/A       | --               | 7.78              | 7.78              | To CHWTSDF                                                                         |
| 5             | Spent Carbon from process              | 28.3 | T/A       | 1.38             | 3.58              | 4.96              | To CHWTSDF                                                                         |
| 6             | Discarded containers/barrels/HDPE bags | 33.1 | Nos./M    | --               | 1764              | 1764              | Sale to authorized dismantlers / Recyclers.                                        |
| 7             | Other waste:                           | --   | --        | --               | --                | --                | --                                                                                 |
| 8             | E-Waste                                | --   | Kg/A      | 25.2             | 76.8              | 102               | Sale to authorized dismantlers/ Recyclers                                          |
| 9             | Battery waste                          | --   | Kg/A      | 62.4             | 137.64            | 200.04            | Returned to battery manufacturer through authorized dealer on buy back procurement |
| 10            | Non-Hazardous Waste Details:           | --   | --        | --               | --                | --                | --                                                                                 |
| 11            | Waste paper                            | --   | Kg/A      | 116.4            | 213.6             | 330               | Sale                                                                               |
| 12            | HDPE bags                              | --   | Nos./year | 28200 Nos. /year | 102972 Nos. /year | 131172 Nos. /year | Reuse/sale to authorized party                                                     |
| 13            | Boiler Ash                             | --   | Kg/A      | --               | 118800            | 118800            | Sale to Brick Manufacturer/cement industry                                         |

### 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             | Boiler - 2 nos. of 4 TPH (Proposed)                                  | Briquettes 22 TPD             | 1         | 30                           | 0.7                   | 125°C                  |
| 2             | Thermopac - 100000 Kcal./hr. (Proposed)                              | LDO 800 lit/month             | 1         | 30                           | 0.4                   | 130°C                  |
| 3             | DG Set - 1000 KVA (Proposed)                                         | HSD, 265 lit/hr. at full load | 1         | 7 m above enclosure          | 0.2                   | 140°C                  |
| 4             | Note: Existing FO fired boiler & existing DG set will be dismantled. | --                            | --        | --                           | --                    | --                     |



**Abhay Pimparkar (Secretary SEAC-I)**

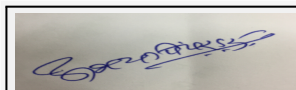
**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 44 of 52**



**Dr. Umakant Dangat (Chairman SEAC-I)**

| 40.Details of Fuel to be used                                                   |                        |                                         |                                                           |                                         |
|---------------------------------------------------------------------------------|------------------------|-----------------------------------------|-----------------------------------------------------------|-----------------------------------------|
| Serial Number                                                                   | Type of Fuel           | Existing                                | Proposed                                                  | Total                                   |
| 1                                                                               | Briquettes             | Not Applicable                          | 22 TPD                                                    | 22 TPD                                  |
| 2                                                                               | LDO                    | Not Applicable                          | 800 lit/month                                             | 800 lit/month                           |
| 3                                                                               | HSD                    | Not Applicable                          | 265 Lit/hr.at full load                                   | 265 Lit/hr.at full load                 |
| 41.Source of Fuel                                                               |                        | Local & Imported                        |                                                           |                                         |
| 42.Mode of Transportation of fuel to site                                       |                        | Through truck/ tanker by Road           |                                                           |                                         |
| 43.Green Belt Development                                                       |                        |                                         |                                                           |                                         |
|                                                                                 |                        | Total RG area :                         | Existing: 200 sq.m Proposed: 1254 sq.m. Total: 1454 sq. m |                                         |
|                                                                                 |                        | No of trees to be cut :                 | No                                                        |                                         |
|                                                                                 |                        | Number of trees to be planted :         | 190 Nos. of Trees and Shrubs to be planted                |                                         |
|                                                                                 |                        | List of proposed native trees :         | Arjun, Vad, Pimpal, Neem, Kadamb, etc.                    |                                         |
|                                                                                 |                        | Timeline for completion of plantation : | With the construction 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                                                                               | Terminalia arjuna      | Arjun                                   | 20                                                        | Pollution resistant and Native          |
| 2                                                                               | Bauhinia racemosa      | Apta                                    | 20                                                        | Pollution resistant and Native          |
| 3                                                                               | Ficus benghalensis     | Vad                                     | 10                                                        | Pollution resistant and Native          |
| 4                                                                               | Ficus religiosa        | Pimpal                                  | 15                                                        | Pollution resistant and Native          |
| 5                                                                               | Ficus elastica         | Rubber                                  | 10                                                        | Pollution resistant and Native          |
| 6                                                                               | Plumeria Alba          | Chafa                                   | 10                                                        | Pollution resistant and Native          |
| 7                                                                               | Azadirachta indica     | Neem                                    | 20                                                        | Pollution resistant and Native          |
| 8                                                                               | Cassia fistula         | Bahava                                  | 25                                                        | Pollution resistant and Native          |
| 9                                                                               | Neolamarckia cadamba   | Kadamb                                  | 15                                                        | Pollution resistant and Native          |
| 10                                                                              | Teminalia tomentosa    | Ain                                     | 10                                                        | Pollution resistant and Native          |
| 11                                                                              | Lagerstroemia speciosa | Taman                                   | 10                                                        | Pollution resistant and Native          |
| 12                                                                              | Tectona grandis        | Teak                                    | 10                                                        | Pollution resistant and Native          |
| 13                                                                              | Bauhinia purpurea      | Kanchan                                 | 15                                                        | Pollution resistant and Native          |
| 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                                                                               | Not Applicable         | Not Applicable                          | Not Applicable                                            |                                         |
| 47.Energy                                                                       |                        |                                         |                                                           |                                         |



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020

Page 45 of 52

Signature:



Name: Dr. Umakant Gangotree Dangat

Dr. Umakant Dangat (Chairman SEAC-I)

|                           |                                                                      |                                                       |
|---------------------------|----------------------------------------------------------------------|-------------------------------------------------------|
| <b>Power requirement:</b> | <b>Source of power supply :</b>                                      | MSEDCL                                                |
|                           | <b>During Construction Phase: (Demand Load)</b>                      | 100 KW                                                |
|                           | <b>DG set as Power back-up during construction phase</b>             | Will be hired on rent from local vendor               |
|                           | <b>During Operation phase (Connected load):</b>                      | 1450 KW                                               |
|                           | <b>During Operation phase (Demand load):</b>                         | 1342 KW                                               |
|                           | <b>Transformer:</b>                                                  | 750 KVA                                               |
|                           | <b>DG set as Power back-up during operation phase:</b>               | 1 DG set of 1000 KVA. Existing DG will be dismantled. |
|                           | <b>Fuel used:</b>                                                    | HSD 265 Lit/hr. at full load                          |
|                           | <b>Details of high tension line passing through the plot if any:</b> | NO                                                    |

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

Auro is proposing roof top solar system for illumination of office buildings, street lights & parking areas  
Power generation from Solar panel system- 14 kW.

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

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
| 1             | Solar power                  | 1.04 %   |

#### 50. Details of pollution control Systems

| Source      | Existing pollution control system | Proposed to be installed                                          |
|-------------|-----------------------------------|-------------------------------------------------------------------|
| Air         | Stack of adequate height          | Multi-cyclone followed by Bag filter and Stack of adequate height |
| Water       | ETP                               | ETP, RO & MEE                                                     |
| Noise       | Acoustic enclosure for DG set     | Acoustic enclosure for DG set                                     |
| Solid Waste | Disposal to CHWTSDF               | Disposal to CHWTSDF                                               |

|                                                              |                        |                |
|--------------------------------------------------------------|------------------------|----------------|
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>   | 65000          |
|                                                              | <b>O &amp; M cost:</b> | Rs. 3000/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             | Dust                   | Air Pollution | 1.00                               |
| 2             | Debris                 | Solid Waste   | 1.00                               |
| 3             | Construction equipment | Solid Waste   | 0.50                               |



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 46 of 52**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

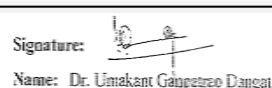
| b) Operation Phase (with Break-up): |                                                                         |                                                                                                                                                                                                                                                                                             |                          |                                                   |
|-------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------|
| Serial Number                       | Component                                                               | Description                                                                                                                                                                                                                                                                                 | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
| 1                                   | Air pollution control                                                   | Provision of Multi-cyclone followed by Bag filter & Stack of adequate height                                                                                                                                                                                                                | 5                        | 0.20                                              |
| 2                                   | Water pollution control                                                 | Effluent Treatment Plant, RO & Multi Effect Evaporator                                                                                                                                                                                                                                      | 176.91                   | 96.66                                             |
| 3                                   | Noise pollution Control                                                 | Acoustic enclosure and regular maintenance                                                                                                                                                                                                                                                  | 1                        | 0.50                                              |
| 4                                   | Occupational health                                                     | Medical checkup, Health insurance policy, Medical staff charges, First aid facilities, consumables, In-house first aid room, Other infrastructure and Equipment                                                                                                                             | 4                        | 3                                                 |
| 5                                   | Environmental Monitoring plan                                           | Environmental Monitoring                                                                                                                                                                                                                                                                    | --                       | 2.108                                             |
| 6                                   | Green belt                                                              | Development & Maintenance                                                                                                                                                                                                                                                                   | 0.5                      | 0.2                                               |
| 7                                   | Hazardous waste Storage & disposal                                      | Storage, Transportation and disposal                                                                                                                                                                                                                                                        | 0.27                     | 8.8                                               |
| 8                                   | Mitigation Measures for LCA (Installation of solar Panels)              | --                                                                                                                                                                                                                                                                                          | 0.65                     | 0.03                                              |
| 9                                   | Carbon Footprint Monitoring (Measures taken to reduce carbon footprint) | <ul style="list-style-type: none"> <li>• Installation of solar Panels* for reduction of consumption of electricity which indirectly reduce carbon footprint.</li> <li>• Tree plantation*, Reduction of fuel consumption by using well efficient insulation to heating equipment.</li> </ul> | 0.55                     | 0.014                                             |
| 10                                  | Water Footprint Monitoring (Measures taken to reduce water footprint)   | <ul style="list-style-type: none"> <li>• Rain water harvesting &amp; use of rain water in utilities &amp; domestic</li> <li>• Recycle &amp; reuse of treated waste water** in utilities</li> <li>Regular maintenance of equipments to reduce wastage of water due to leaks</li> </ul>       | 0.5                      | 0.2                                               |
| 11                                  | Total                                                                   | --                                                                                                                                                                                                                                                                                          | 189.38                   | 111.712                                           |



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 47 of 52**



**Dr. Umakant Dangat (Chairman SEAC-I)**

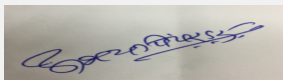
## 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

| 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 |
|---------------------------------------|--------|-----------|------------------------|--------------------------------------------------------|---------------------------|------------------|-------------------------|
| Dicyandiamide (DCDA)                  | Solid  | warehouse | 130                    | 128.8                                                  | 550                       | Local            | By Road                 |
| Dimethylamine Hydrochloride (DMA HCL) | Solid  | warehouse | 150                    | 141.4                                                  | 606                       | Local            | By Road                 |
| Xylene                                | Liquid | warehouse | 50                     | 50                                                     | 25                        | Local            | By Road                 |
| Toluene                               | Liquid | warehouse | 1                      | 0.70                                                   | 3.6                       | Local            | By Road                 |
| Cyanobase                             | Liquid | warehouse | 0.50                   | 0.10                                                   | 0.6                       | Local            | By Road                 |
| Caustic Potash Flakes                 | Solid  | warehouse | 0.50                   | 0.05                                                   | 0.25                      | Local            | By Road                 |
| Malic Acid                            | Solid  | warehouse | 0.50                   | 0.03                                                   | 0.19                      | Local            | By Road                 |
| IPA                                   | Liquid | warehouse | 1                      | 0.40                                                   | 1.88                      | Local            | By Road                 |
| Polyvinylpyrrolidone K-30             | Solid  | warehouse | 1.5                    | 1.0                                                    | 7.5                       | Local            | By Road                 |
| Sodium Starch Glycollate              | Solid  | warehouse | 1                      | 0.80                                                   | 3.6                       | Local            | By Road                 |
| Maize Starch                          | Solid  | warehouse | 1                      | 0.40                                                   | 1.8                       | Local            | By Road                 |
| Aerosil                               | Solid  | warehouse | 0.50                   | 0.25                                                   | 1.25                      | Local            | By Road                 |
| Magnesium Stearate                    | Solid  | warehouse | 0.50                   | 0.10                                                   | 0.6                       | Local            | By Road                 |
| Glimepiride Sulfonamide               | Liquid | warehouse | 0.50                   | 0.02                                                   | 0.16                      | Local            | By Road                 |
| Potassium carbonate                   | Solid  | warehouse | 0.50                   | 0.02                                                   | 0.14                      | Local            | By Road                 |
| Trans-4-methylcyclohexyl isocyanate   | Solid  | warehouse | 0.50                   | 0.15                                                   | 0.80                      | Local            | By Road                 |
| Liq. AMMONIA                          | Liquid | warehouse | 0.50                   | 0.04                                                   | 0.2                       | Local            | By Road                 |
| Glipizidesulfamide                    | Solid  | warehouse | 0.50                   | 0.02                                                   | 0.10                      | Local            | By Road                 |
| Anhydrous potassium carbonate         | Solid  | warehouse | 0.50                   | 0.02                                                   | 0.09                      | Local            | By Road                 |
| Cyclohexylisocyanate                  | Liquid | warehouse | 0.50                   | 0.2                                                    | 0.20                      | Local            | By Road                 |
| N.Amino-3-Azabicyclo                  | Solid  | warehouse | 0.50                   | 0.02                                                   | 0.1                       | Local            | By Road                 |
| Ethyl Acetate                         | Liquid | warehouse | 0.50                   | 0.07                                                   | 0.37                      | Local            | By Road                 |
| Acetonitrile                          | Liquid | warehouse | 0.50                   | 0.07                                                   | 0.32                      | Local            | By Road                 |
| Glibenclamidesufamide                 | Solid  | warehouse | 0.50                   | 0.02                                                   | 0.11                      | Local            | By Road                 |
| Dimethyl formamide                    | Liquid | warehouse | 0.50                   | 0.10                                                   | 0.6                       | Local            | By Road                 |
| Caustic soda                          | Liquid | warehouse | 0.50                   | 0.05                                                   | 0.23                      | Local            | By Road                 |
| Activated Carbon                      | Solid  | warehouse | 0.50                   | 0.1                                                    | 0.42                      | Local            | By Road                 |
| Methanol                              | Solid  | warehouse | 60                     | 50                                                     | 55                        | Local            | By Road                 |
| Acetone                               | Liquid | warehouse | 0.50                   | 0.25                                                   | 1.6                       | Local            | By Road                 |
| HCL                                   | Liquid | warehouse | 0.50                   | 0.10                                                   | 0.48                      | Local            | By Road                 |
| Methylene di chloride                 | Liquid | warehouse | 0.50                   | 0.30                                                   | 1.4                       | Local            | By Road                 |
| Chlorzoxazone                         | Solid  | warehouse | 1.5                    | 1.00                                                   | 1.00                      | Local            | By Road                 |

## 52.Any Other Information

No Information Available

## 53.Traffic Management



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 48 of 52**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

|                         |                                                                                                                |                                           |
|-------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------|
|                         | <b>Nos. of the junction to the main road &amp; design of confluence:</b>                                       | Not Applicable                            |
| <b>Parking details:</b> | <b>Number and area of basement:</b>                                                                            | Not Applicable                            |
|                         | <b>Number and area of podia:</b>                                                                               | Not Applicable                            |
|                         | <b>Total Parking area:</b>                                                                                     | 219 Sq. Mtr.                              |
|                         | <b>Area per car:</b>                                                                                           | Not Applicable                            |
|                         | <b>Area per car:</b>                                                                                           | Not Applicable                            |
|                         | <b>Number of 2-Wheelers as approved by competent authority:</b>                                                | Not Applicable                            |
|                         | <b>Number of 4-Wheelers as approved by competent authority:</b>                                                | Not Applicable                            |
|                         | <b>Public Transport:</b>                                                                                       | Not Applicable                            |
|                         | <b>Width of all Internal roads (m):</b>                                                                        | 6 m. with turning radius of 9 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> | No such areas within 10 km radius circle. |
|                         | <b>Category as per schedule of EIA Notification sheet</b>                                                      | 5 (f) B1                                  |
|                         | <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>                                                                               | 28-11-2018                                |

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

|                                             |                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental Impacts of the project</b> | PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits at site. |
| <b>Water Budget</b>                         | PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.                                                                                                                                                                                                                                        |
| <b>Waste Water Treatment</b>                | PP provided Effluent Treatment Plant.                                                                                                                                                                                                                                                                                                                                            |



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 49 of 52**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

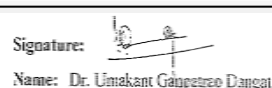
|                                                                 |                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Drainage pattern of the project</b>                          | PP considered the contour level in designing of the storm water drains.                                                                                                                                                                                                   |
| <b>Ground water parameters</b>                                  | As per data submitted by PP ground water parameters are within the prescribed limits                                                                                                                                                                                      |
| <b>Solid Waste Management</b>                                   | The details of solid waste management is given in the Sr. No. 36 & 38 of the Consolidated Statement.                                                                                                                                                                      |
| <b>Air Quality &amp; Noise Level issues</b>                     | As per data submitted by PP Air Quality are within the prescribed limits at project site. PP to identify the sources of noise pollution and take measures to reduce noise level on site like provision of acoustic enclosures, isolation of noise making equipments, etc. |
| <b>Energy Management</b>                                        | The energy demand is 1342 KW which will be supplied by MSEDCL.                                                                                                                                                                                                            |
| <b>Traffic circulation system and risk assessment</b>           | PP proposes to provide internal roads with six meter width and nine meter turning radius.                                                                                                                                                                                 |
| <b>Landscape Plan</b>                                           | PP proposes 40% green belt within the premises.                                                                                                                                                                                                                           |
| <b>Disaster management system and risk assessment</b>           | PP carried out HAZOP and Risk Assessment and submitted DMP.                                                                                                                                                                                                               |
| <b>Socioeconomic impact assessment</b>                          | PP has carried out socio economic impact study and included in the EIA report.                                                                                                                                                                                            |
| <b>Environmental Management Plan</b>                            | PP prepared EMP cost of Rs.189.38 Lakh as capital cost and Rs,111.71 Lakh as O & M cost to maintain environmental parameters                                                                                                                                              |
| <b>Any other issues related to environmental sustainability</b> | Not Applicable                                                                                                                                                                                                                                                            |
| <b>Brief information of the project by SEAC</b>                 |                                                                                                                                                                                                                                                                           |



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date: March 14, 2020**

**Page 50 of 52**



**Dr. Umakant Dangat (Chairman SEAC-I)**

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 during 158th meeting of SEAC-1 held on 02.01.2019 wherein ToR was granted to the PP for the preparation of EIA /EMP report along with additional points,

As the industry is located in the notified industrial area/estate (MIDC), Public Hearing is exempted under the provisions as per para 7 III Stage (3) (b) of the EIA Notification, 2006.

PP to collect base line data as per Office Memorandum issued by MoEF&CC dated 27.08.2017.

The validity of the TOR will be for three years as per OM issued by MoEF and CC on 29.08.2017.

PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.

PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.

PP submitted EIA/EMP report in 165th meeting of SEAC-1 wherein the proposal was deferred till submission of compliance of following points,

1. PP to submit revised layout showing vehicle movements plan, and adequate parking space within the plot area.
2. PP to submit revised contour map along with storm water drain and its calculations.
3. PP to submit detailed safety management plan to carry out safe demolition of existing structures along with necessary work permits procedures.
4. PP to include all the processes, activities in the HAZOP and submit revised HAZOP reports along with recommendations and proposed safety measures.
5. PP to submit detailed report on identified inland surface water baseline parameters in comparison with standard limits.
6. PP to submit point wise compliance of standard ToR points.
7. PP to include all above points in the EIA/EMP report and submit revised EIA/EMP report.
8. PP to prepare and submit CER plan in consultation with the District Authorities as per OM issued by MoEF&CC dated 01.05.2018.

PP submitted compliance of above points in 168th meeting wherein PP requested to postpone the case.

The proposal was again considered in the 172nd meeting of SEAC-1 wherein following decision was taken,

During deliberation it was also noticed that, the CPCB issued letter dated 25.10.2019 with reference to the Hon'ble NGT order dated 23.08.2019 and communicated the mechanism for environmental management of the Critically and Severely Polluted area and consideration of activities/projects in such areas in compliance to the Hon'ble NGT order dated 23.08.2019 in the matter of O.A. No. 1038/2018.

The mechanism for consideration of proposal for Environmental Clearance in the Critically and Severely Polluted area is mentioned as below,

**para B : Consideration of proposals for grant of Environmental Clearance for new and expansion activities listed in the 'Red' and 'Orange' Categories located in the Critically Polluted Areas and Severely Polluted Areas:**

i. Any project or activity specified in category B1 will be appraised at the Central level, if located in whole or in part within 5 km from the boundary of Critically Polluted Areas (CPA's) or Severely Polluted Areas (SPA's). However, Category B2 projects shall be considered at state level stipulating Environmental Clearance condition as applicable for Category B1 project/activities.

ii. Proposals located in CPAs and SPAs may be examined by the Sectorial Expert Appraisal Committee (EAC) during scoping/appraisal based on the CEPI scores of Air/Water/land Environment as published by CPCB from time to time. In such proposals, appropriate mitigation measures for the environment possessing higher score may be made by EAC in the form of recommendations/decisions. These recommendations may be explicitly mentioned in the Terms of References/Environmental Clearance letter and to be ensured by the member secretary concerned.

The proposal under reference is located in the Navi Mumbai area which is mentioned at Sr. No. 51 in the Hon'ble NGT order dated 10.07.2019 which will have to be now considered as category "A" proposal.

In view of above SEAC-1 decided to refer the proposal to the SEIAA for confirmation as above.

The SEIAA considered the proposal in 185th meeting held on 10.01.2020 and directed to consider in SEAC-1 as per OM No. 22-23/2018-IA.III of MoEF&CC dated 30.12.2019.

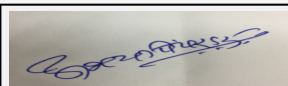
In view of above, SEAC-1 considered the proposal for appraisal.

The proposal was earlier considered in the 178th meeting held on 17.02.2020 wherein the proposal was deferred till submission of compliance of following point.

During deliberations it was observed that, the proposed project is located in the critically polluted area as identified by the CPCB. PP has not submitted point wise compliance of the conditions stipulated in the OM issued by MEFC&CC dated 31.10.2019 in this regard..

Hence, SEAC-1 decided to defer the proposal till PP submits point wise compliance of conditions stipulated in the OM issued by MEFC&CC dated 31.10.2019

Now PP submitted the compliance report.



**Abhay Pimparkar (Secretary  
SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date:  
March 14, 2020**

**Page 51  
of 52**



**Dr. Umakant Dangat  
(Chairman SEAC-I)**

## DECISION OF SEAC

After deliberations with the PP and their accredited consultant SEAC-1 decided to recommend the proposal for prior Environmental Clearance subject to the following conditions.

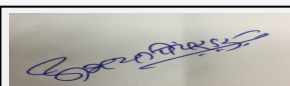
### Specific Conditions by SEAC:

- 1) PP to use briquettes as a fuel to the boiler instead of furnace oil.
- 2) PP to ensure to submit yearly monitoring of compliance of EC conditions through third party audit.
- 3) PP to prepare safety related training modules in Marathi and Hindi and impart training to all concern so as to increase its effectiveness.
- 4) PP to prepare and implement CER funds (Rs. 25 Lakhs) for creating social infrastructures like sanitation facilities, clean drinking water facilities and solar energy to the Z.P.Schools within the study area in consultation with the District Authority.
- 5) PP to ensure strict compliance of the stringent conditions as stipulated in the OM issued by MoEF&CC dated 31.10.2019.

## FINAL RECOMMENDATION

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

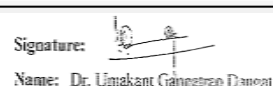
SEAC-AGENDA-0000000418



**Abhay Pimparkar (Secretary  
SEAC-I)**

**SEAC Meeting No: 182nd -Day-1 Meeting Date:  
March 14, 2020**

**Page 52  
of 52**



**Dr. Umakant Dangat  
(Chairman SEAC-I)**