

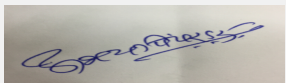
## 154th Meeting of State Level Expert Appraisal Committee (SEAC-1)

**SEAC Meeting number: 154th ,Day-4 Meeting Date August 30, 2018**

**Subject:** Environment Clearance for Establishment of Common Biomedical Waste Treatment Facility - Application for grant of ToRs .


**Is a Violation Case:** No

|  |   |
|--|---|
| 1.Name of Project  | M/s. Shree Govind Biomedical Pvt. Ltd.  |
| 2.Type of institution  | Private   |
| 3.Name of Project Proponent  | Mr. A. B. Jadhav (CMD)  |
| 4.Name of Consultant   | Equinox Environments (India) Pvt. Ltd.  |
| 5.Type of project  | NA  |
| 6.New project/expansion in existing project/modernization/diversification in existing project          | New Project, 1) There is another unit - Shree Govind Biomedical Corporation at A/p Kutgaon-Nerur, Tal: Kudal, Dist.: Sindhudurg wherein Deep burial and Land filling facility is in operation. 2) After implementation of this new project - Shree Govind Biomedical Pvt. Ltd., existing unit of Deep Burial and Land filling unit will be totally closed and only proposed incineration unit will be in process. |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | NA  |
| 8.Location of the project  | Plot No. H-148, MIDC Kudal.   |
| 9.Taluka   | Kudal   |
| 10.Village   | Kudal   |
| Correspondence Name:   | M/s. Shree Govind Biomedical Corporation  |
| Room Number:   | NA  |
| Floor:   | NA  |
| Building Name:   | NA  |
| Road/Street Name:  | BF2, B Wing   |
| Locality:  | Mathura Arked, Opp. MSEB Office   |
| City:  | Vengurla Road,  |
| 11.Area of the project   | Other Area- Kudal MIDC  |
| 12.IOD/IOA/Concession/Plan Approval Number   | NA<br><b>IOD/IOA/Concession/Plan Approval Number:</b> MIDC Plan Approval. Refer Annexure- 1 for additional attachment of Power NOC and other NOC certificates.<br><b>Approved Built-up Area:</b> 862.33   |
| 13.Note on the initiated work (If applicable)  | NA  |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)   | NA  |
| 15.Total Plot Area (sq. m.)  | 4278.00   |
| 16.Deductions  | NA  |
| 17.Net Plot area   | 4278.00   |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI)  | a) FSI area (sq. m.): NA<br>b) Non FSI area (sq. m.): NA<br>c) Total BUA area (sq. m.): 863.00  |
| 18 (b).Approved Built up area as per DCR   | Approved FSI area (sq. m.): NA<br>Approved Non FSI area (sq. m.): NA<br>Date of Approval: 22-12-2017  |
| 19.Total ground coverage (m2)  | NA  |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)                           | NA  |
| 21.Estimated cost of the project   | 9130000   |

  
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## 22. Number of buildings & its configuration

| Serial number  | Building Name & number         | Number of floors | Height of the building (Mtrs) |
|--|--------------------------------|------------------|-------------------------------|
| 1  | Office Building                | 0                | 5.50                          |
| 2  | Plant Building                 | 0                | 5.50                          |
| 3  | Incinerator waste storage area | 0                | 9.00                          |
| 23. Number of tenants and shops  | NA                             |                  |                               |
| 24. Number of expected residents / users   | NA                             |                  |                               |
| 25. Tenant density per hectare   | Total 30 Workers               |                  |                               |
| 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 | NA                             |                  |                               |
| 29. Existing structure (s) if any  | NA                             |                  |                               |
| 30. Details of the demolition with disposal (If applicable)  | NA                             |                  |                               |

## 31. Production Details

| Serial Number | Product             | Existing (MT/M) | Proposed (MT/M) | Total (MT/M)   |
|---------------|---------------------|-----------------|-----------------|----------------|
| 1             | Incinerator (1 No.) | 0.0             | 100 Kg/Hr.      | 100 Kg/Hr.     |
| 2             | Autoclave (1 No.)   | 0.0             | 400 Lit./Cycle  | 400 Lit./Cycle |
| 3             | Shredder (1 No.)    | 0.0             | 200 Kg/Hr.      | 200 Kg/Hr.     |


## 32. Total Water Requirement

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

|                                   |  |                                 |
|-----------------------------------|--|---------------------------------|
| Dry season:                       | Source of water                              | MIDC Water supply scheme        |
|                                   | Fresh water (CMD):                           | 4.5                             |
|                                   | Recycled water - Flushing (CMD):             | 5 (In process not for flushing) |
|                                   | Recycled water - Gardening (CMD):            | NA                              |
|                                   | Swimming pool make up (Cum):                 | NA                              |
|                                   | Total Water Requirement (CMD) :              | 9.5                             |
|                                   | Fire fighting - Underground water tank(CMD): | NA                              |
|                                   | Fire fighting - Overhead water tank(CMD):    | NA                              |
|                                   | Excess treated water                         | NA                              |
| Wet season:                       | Source of water                              | MIDC Water supply scheme        |
|                                   | Fresh water (CMD):                           | 4.5                             |
|                                   | Recycled water - Flushing (CMD):             | 5 (In process not for flushing) |
|                                   | Recycled water - Gardening (CMD):            | NA                              |
|                                   | Swimming pool make up (Cum):                 | NA                              |
|                                   | Total Water Requirement (CMD) :              | 9.5                             |
|                                   | Fire fighting - Underground water tank(CMD): | NA                              |
|                                   | Fire fighting - Overhead water tank(CMD):    | NA                              |
|                                   | Excess treated water                         | NA                              |
| 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           | 0.0               | 1.5      | 1.5   | 0.0        | 0.2      | 0.2   | 0.0            | 1.3      | 1.3   |
| Industrial Process | 0.0               | 7.0      | 7.0   | 0.0        | 1.0      | 1.0   | 0.0            | 6.0      | 6.0   |
| Gardening          | 0.0               | 1.0      | 1.0   | 0.0        | 1.0      | 1.0   | 0.0            | 0.0      | 0.0   |

  
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|  |  |   |   |
|--|--|---|---|
| <b>34.Rain Water Harvesting (RWH)</b>  | <b>Level of the Ground water table:</b>                            | Unconfined aquifers. Depth of GW Level: 8.5 m to 15 m   |   |
|  | <b>Size and no of RWH tank(s) and Quantity:</b>                    | NA  |   |
|  | <b>Location of the RWH tank(s):</b>                                | --  |   |
|  | <b>Quantity of recharge pits:</b>                                  | --  |   |
|  | <b>Size of recharge pits :</b>                                     | --  |   |
|  | <b>Budgetary allocation (Capital cost) :</b>                       | --  |   |
|  | <b>Budgetary allocation (O &amp; M cost) :</b>                     | --  |   |
|  | <b>Details of UGT tanks if any :</b>                               | 1 UGT proposed.   |   |
| <b>35.Storm water drainage</b>   | <b>Natural water drainage pattern:</b>                             | Varies as per topography along the alignment  |   |
|  | <b>Quantity of storm water:</b>                                    | NA  |   |
|  | <b>Size of SWD:</b>  | NA  |   |
| <b>Sewage and Waste water</b>  | <b>Sewage generation in KLD:</b>                                   | 1.3 KLPD  |   |
|  | <b>STP technology:</b>   | No STP. Domestic sewage will be treated in septic tank followed by soak pits  |   |
|  | <b>Capacity of STP (CMD):</b>                                      | --  |   |
|  | <b>Location &amp; area of the STP:</b>                             | In proposed plot  |   |
|  | <b>Budgetary allocation (Capital cost):</b>                        | 1.25 Lacks  |   |
|  | <b>Budgetary allocation (O &amp; M cost):</b>                      | NA  |   |
| <b>36.Solid waste Management</b>   |  |   |   |
| <b>Waste generation in the Pre Construction and Construction phase:</b>  | <b>Waste generation:</b>   | 3 MT/Month  |   |
|  | <b>Disposal of the construction waste debris:</b>                  | All waste would be recycled.  |   |
| <b>Waste generation in the operation Phase:</b>  | <b>Dry waste:</b>  | 1) Plastic Scrap- 1.5 MT/Month 2) MS scrap - 0.5 MT/Month 3) Other Waste - 1.0 MT/Month   |   |
|  | <b>Wet waste:</b>  | Proposed facility is for treatment and disposal of Bio-medical waste  |   |
|  | <b>Hazardous waste:</b>  | 1) Incineration Ash (09 BMW Rules) -1MT/M 2) ETP Sludge (Cat. No. 36) - 100 Kg/M 3) Disinfected/ De-shaped and Shredded Plastic material (04 and 07 BMW Rules) -50 kg/M |   |
|  | <b>Biomedical waste (If applicable):</b>                           | NA  |   |
|  | <b>STP Sludge (Dry sludge):</b>                                    | NA  |   |
|  | <b>Others if any:</b>  | NA  |   |
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|  |  |  |
|--|--|--|
| <b>Mode of Disposal of waste:</b>                            | <b>Dry waste:</b>  | Recycled   |
|  | <b>Wet waste:</b>  | Recycled   |
|  | <b>Hazardous waste:</b>                                    | (1) Incineration Ash and ETP Sludge will be Disposed in MWML (Mumbai Waste Management Ltd.), CHWTSDF, (2) Disinfected/de-shaped and shredded plastic material will be Disposed in Authorized Recycler. |
|  | <b>Biomedical waste (If applicable):</b>                   | Proposed facility for treatment and disposal of Bio-medical waste  |
|  | <b>STP Sludge (Dry sludge):</b>                            | NA   |
|  | <b>Others if any:</b>                                      | NA   |
| <b>Area requirement:</b>                                     | <b>Location(s):</b>  | Plot No. H- 148, Kudal MIDC, Tal.: Kudal, Dist.: Sindhudurg, Maharashtra.  |
|  | <b>Area for the storage of waste &amp; other material:</b> | Within industrial premises   |
|  | <b>Area for machinery:</b>                                 | NA   |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>                                       | 81.2 Lacks   |
|  | <b>O &amp; M cost:</b>                                     | 5.9 Lacks  |

### 37. Effluent Characteristics

| Serial Number                         | Parameters                   | Unit   | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------------------------------|------------------------------|--|--------------------------------|---------------------------------|-------------------------------------|
| 1                                     | pH                           | --   | 2.3                            | 6.5-8.0                         | --                                  |
| 2                                     | Suspended Solids (SS)        | mg / lit   | 151                            | <20                             | 100                                 |
| 3                                     | Suspended Solids (SS)        | mg / lit   | 151                            | <20                             | 100                                 |
| 4                                     | Chemical Oxygen Demand (COD) | mg / lit   | 350                            | <50                             | 250                                 |
| Amount of effluent generation (CMD):  |                              | 7.3 CMD  |                                |                                 |                                     |
| Capacity of the ETP:                  |                              | 10 CMD   |                                |                                 |                                     |
| Amount of treated effluent recycled : |                              | 5 CMD  |                                |                                 |                                     |
| Amount of water send to the CETP:     |                              | NA   |                                |                                 |                                     |
| Membership of CETP (if require):      |                              | NA   |                                |                                 |                                     |
| Note on ETP technology to be used     |                              | The effluents would be treated in ETP comprises of equalization tank, Bar screen chamber, Flash Mixing Chamber, Tube Settler, SBR Basin, Filter Feed tank, Sludge drying beds. The treated water would be used for cooling and processing. The ETP sludge would be used as manure. |                                |                                 |                                     |
| Disposal of the ETP sludge            |                              | MWML (Mumbai Waste Management Ltd.), CHWTSDF   |                                |                                 |                                     |


### 38. Hazardous Waste Details

| Serial Number | Description      | Cat            | UOM  | Existing | Proposed | Total | Method of Disposal                           |
|---------------|------------------|----------------|------|----------|----------|-------|--|
| 1             | Incineration Ash | 09 (BMW Rules) | MT/M | 0.0      | 1        | 1     | MWML (Mumbai Waste Management Ltd.), CHWTSDF |
| 2             | ETP Sludge       | 36             | Kg/M | 0.0      | 100      | 100   | MWML (Mumbai Waste Management Ltd.), CHWTSDF |

  
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|   |   |                       |      |     |    |    |                     |
|---|---|-----------------------|------|-----|----|----|---------------------|
| 3 | Disinfected/de-shaped and shredded plastic material | 04 and 07 (BMW Rules) | kg/M | 0.0 | 50 | 50 | Authorized Recycler |
|---|---|-----------------------|------|-----|----|----|---------------------|

### 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             | Incinerator     | HSD-28 Lit/Hr.          | 1         | 30                           | Base 2100mm<br>Top 450 mm | --                     |
| 2             | DG Set          | HSD-15 Lit/Hr.          | 2         | 6                            | 50mm                      | --                     |

### 40.Details of Fuel to be used

| Serial Number | Type of Fuel        | Existing | Proposed    | Total       |
|---------------|---------------------|----------|-------------|-------------|
| 1             | HSD for Incinerator | 0.0      | 28 Lit./Hr. | 28 Lit./Hr. |
| 2             | HSD for DG set      | 0.0      | 15 Lit./Hr. | 15 Lit./Hr. |


41.Source of Fuel                                  Nearest Petrol Pump

42.Mode of Transportation of fuel to site    By road

| 43.Green Belt Development | Total RG area :                         | 1411.78 Sq. M.   |
|---------------------------|---|--|
|                           | No of trees to be cut :                 | NA   |
|                           | Number of trees to be planted :         | 113  |
|                           | List of proposed native trees :         | (1) Tamarindus indica, (2) Aegle marmelos, (3) Mimusops elengi, (4) Ficus benghalensis, (5) Ficus reliogiosa |
|                           | Timeline for completion of plantation : | 5 Years  |


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

| Serial Number | Name of the plant      | Common Name | Quantity | Characteristics & ecological importance       |
|---------------|------------------------|-------------|----------|---|
| 1             | Tamarindus indica      | Chinch      | 13       | Indigenous, evergreen, fast growing, tolerant |
| 2             | Aegle marmelos         | Bel         | 13       | Indigenous, evergreen, fast growing, tolerant |
| 3             | Mimusops elengi        | Bakul       | 13       | Indigenous, evergreen, fast growing, tolerant |
| 4             | Ficus benghalensis     | Wad         | 13       | Indigenous, evergreen, fast growing, tolerant |
| 5             | Ficus reliogiosa       | Pimpal      | 13       | Indigenous, evergreen, fast growing, tolerant |
| 6             | Azadirachta indica     | Neem        | 13       | Indigenous, evergreen, fast growing, tolerant |
| 7             | Lagerstroemia speciosa | Taman       | 13       | Indigenous, evergreen, fast growing, tolerant |
| 8             | Alstonia scholaris     | Satvin      | 13       | Indigenous, evergreen, fast growing, tolerant |


  
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| <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> |  |  |         |
| Serial Number  | Name   | C/C Distance   | Area m2 |
| 1  | NA   | NA   | NA      |
| <b>47.Energy</b>   |  |  |         |
| <b>Power requirement:</b>  | <b>Source of power supply :</b>                                      | Maharashtra State Electricity Department Corporation Ltd. (M.S.E.D.Co. Ltd.) |         |
|  | <b>During Construction Phase: (Demand Load)</b>                      | 50 KVA   |         |
|  | <b>DG set as Power back-up during construction phase</b>             | As per requirement   |         |
|  | <b>During Operation phase (Connected load):</b>                      | 56 KVA   |         |
|  | <b>During Operation phase (Demand load):</b>                         | 80 KVA   |         |
|  | <b>Transformer:</b>  | NA   |         |
|  | <b>DG set as Power back-up during operation phase:</b>               | Proposed D.G. set with 82.5 KVA  |         |
|  | <b>Fuel used:</b>  | HSD- 15 Lit./Hr.   |         |
|  | <b>Details of high tension line passing through the plot if any:</b> | NA   |         |
| <b>48.Energy saving by non-conventional method:</b>                                    |  |  |         |
| NA   |  |  |         |
| <b>49.Detail calculations &amp; % of saving:</b>                                       |  |  |         |
| Serial Number  | Energy Conservation Measures   | Saving %   |         |
| 1  | LED and Solar Lamps  | 20 %   |         |
| <b>50.Details of pollution control Systems</b>   |  |  |         |
| Source   | Existing pollution control system                                    | Proposed to be installed   |         |
| Effluent for Process, Washing  | Not applicable   | To ETP   |         |
| Domestic Sewage  | Not applicable   | Septic tank followed by soak pits  |         |
| Air Pollution from Incinerator   | Not applicable   | Scrubber   |         |
| Noise  | Not applicable   | Acoustic Enclosure   |         |

  
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|  |                        |            |
|--|------------------------|------------|
| <b>Budgetary allocation<br/>(Capital cost and<br/>O&amp;M cost):</b> | <b>Capital cost:</b>   | 81.2 Lacks |
|  | <b>O &amp; M cost:</b> | 5.9 Lacks  |

## 51.Environmental Management plan Budgetary Allocation

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

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|------------|-----------|------------------------------------|
| 1             | NA         | NA        | NA                                 |

### 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                 | APC                                   | 36.85                    | 2.5   |
| 2             | Water Pollution Control               | ETP                                   | 36.85                    | 0.25  |
| 3             | Environmental Monitoring & Management | Environmental Monitoring & Management | 5                        | 3   |
| 4             | Occupational Health                   | Occupational Health                   | 1                        | --  |
| 5             | Green Belt                            | Green Belt                            | 1.5                      | 0.15  |

## 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 |
|-------------|-------------|--------------|------------------------|--|---------------------------|---------------------|-------------------------|
| HSD         | Liquid Fuel | Fuel Storage | 150 Lit/Day            | 250 Lit/Day  | 1704 Lit/Day              | Nearest Petrol Pump | By road                 |

### 52.Any Other Information

No Information Available

### 53.Traffic Management

|  |    |
|--|----|
| <b>Nos. of the junction to the main road &amp; design of confluence:</b> | NA |
|--|----|

  
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|                  |   |   |
|------------------|---|---|
| Parking details: | Number and area of basement:  | NA  |
|                  | Number and area of podia:   | NA  |
|                  | Total Parking area:   | NA  |
|                  | Area per car:   | NA  |
|                  | Area per car:   | NA  |
|                  | Number of 2-Wheelers as approved by competent authority:  | Maximum 4   |
|                  | Number of 4-Wheelers as approved by competent authority:  | Maximum 4 and 8 Biomedical waste vehicles   |
|                  | Public Transport:   | NA  |
|                  | Width of all Internal roads (m):  | NA  |
|                  | CRZ/ RRZ clearance obtain, if any:  | NA  |
|                  | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | NA  |
|                  | Category as per schedule of EIA Notification sheet  | Category 'B', Item No.7 (da)  |
|                  | Court cases pending if any  | NA  |
|                  | Other Relevant Informations   | Application in prescribed online format of 'Form-1' is submitted alongwith requisite documents for grant of ToRs. |
|                  | Have you previously submitted Application online on MOEF Website.                                       | No  |
|                  | Date of online submission   | -   |

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

|                                      |                |
|--------------------------------------|----------------|
| Environmental Impacts of the project | Not Applicable |
| Water Budget                         | Not Applicable |
| Waste Water Treatment                | Not Applicable |
| Drainage pattern of the project      | Not Applicable |
| Ground water parameters              | Not Applicable |
| Solid Waste Management               | Not Applicable |



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|   |                |
|---|----------------|
| <b>Air Quality &amp; Noise Level issues</b>                     | Not Applicable |
| <b>Energy Management</b>  | Not Applicable |
| <b>Traffic circulation system and risk assessment</b>           | Not Applicable |
| <b>Landscape Plan</b>   | Not Applicable |
| <b>Disaster management system and risk assessment</b>           | Not Applicable |
| <b>Socioeconomic impact assessment</b>                          | Not Applicable |
| <b>Environmental Management Plan</b>                            | Not Applicable |
| <b>Any other issues related to environmental sustainability</b> | Not Applicable |

### Brief information of the project by SEAC

PP submitted their application for the grant of ToR under category 7(da)B1 as per EIA Notification, 2006.

### DECISION OF SEAC


During deliberations it is observed that, PP has not yet obtained site selection consent/ consent to establish from the prescribed authority as per Biomedical Waste Management Rules,2016.

Hence , deferred

**Specific Conditions by SEAC:**

### FINAL RECOMMENDATION

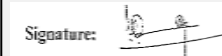
SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

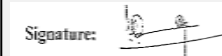


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## 154th Meeting of State Level Expert Appraisal Committee (SEAC-1)

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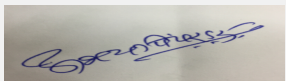
**Subject:** Environment Clearance for Cold Room

**Is a Violation Case:** No

|  |  |
|--|--|
| 1.Name of Project  | Banana Ripening Chamber                            |
| 2.Type of institution  | Private  |
| 3.Name of Project Proponent  | Banana Ripening Chamber                            |
| 4.Name of Consultant   | NA   |
| 5.Type of project  | Others   |
| 6.New project/expansion in existing project/modernization/diversification in existing project          | Not applicable                                     |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Not applicable                                     |
| 8.Location of the project  | Gat No. 257  |
| 9.Taluka   | Maval  |
| 10.Village   | Nanoli Tarfe Chakan                                |
| Correspondence Name:   | Maruti Vitthal Marathe                             |
| Room Number:   | NA   |
| Floor:   | NA   |
| Building Name:   | NA   |
| Road/Street Name:  | Near Ganesh Mandir                                 |
| Locality:  | A/p-Varale, TalMaval, Dist-Pune                    |
| City:  | Pune   |
| 11.Area of the project   | Grampanchayat                                      |
| 12.IOD/IOA/Concession/Plan Approval Number   | NA   |
|  | <b>IOD/IOA/Concession/Plan Approval Number:</b> NA |
|  | <b>Approved Built-up Area:</b> 3900                |
| 13.Note on the initiated work (If applicable)  | NA   |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)   | NA   |
| 15.Total Plot Area (sq. m.)  | 3900   |
| 16.Deductions  | NA   |
| 17.Net Plot area   | 400  |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI)  | a) FSI area (sq. m.): 400                          |
|  | b) Non FSI area (sq. m.): NA                       |
|  | c) Total BUA area (sq. m.): 3900                   |
| 18 (b).Approved Built up area as per DCR   | Approved FSI area (sq. m.): NA                     |
|  | Approved Non FSI area (sq. m.): NA                 |
|  | Date of Approval: 01-01-1900                       |
| 19.Total ground coverage (m2)  | 3900   |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)                           | NA   |
| 21.Estimated cost of the project   | 4300000  |

### 22.Number of buildings & its configuration

| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------|------------------|-------------------------------|
|---------------|------------------------|------------------|-------------------------------|

  
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|   |                  |   |             |
|---|------------------|---|-------------|
| 1   | NA               | 1 | NOT CONFIRM |
| 23.Number of tenants and shops  | 1                |   |             |
| 24.Number of expected residents / users   | 1                |   |             |
| 25.Tenant density per hectare   | 0.39             |   |             |
| 26.Height of the building(s)  |                  |   |             |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | Talegaon Dabhade |   |             |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | No               |   |             |
| 29.Existing structure (s) if any  | Cold Room        |   |             |
| 30.Details of the demolition with disposal (If applicable)  | No               |   |             |

### 31.Production Details

| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|---------|-----------------|-----------------|--------------|
| 1             | Banana  | 30              | 30              | 30           |


### 32.Total Water Requirement

|             |  |      |
|-------------|--|------|
| Dry season: | Source of water                              | Boar |
|             | Fresh water (CMD):                           | 3    |
|             | Recycled water - Flushing (CMD):             | 0    |
|             | Recycled water - Gardening (CMD):            | Yes  |
|             | Swimming pool make up (Cum):                 | NO   |
|             | Total Water Requirement (CMD) :              | 3    |
|             | Fire fighting - Underground water tank(CMD): | Yes  |
|             | Fire fighting - Overhead water tank(CMD):    | yES  |
|             | Excess treated water                         | NO   |

  
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|             |  |      |
|-------------|--|------|
| Wet season: | Source of water                              | Boar |
|             | Fresh water (CMD):                           | 3    |
|             | Recycled water - Flushing (CMD):             | 0    |
|             | Recycled water - Gardening (CMD):            | Yes  |
|             | Swimming pool make up (Cum):                 | No   |
|             | Total Water Requirement (CMD) :              | 3    |
|             | Fire fighting - Underground water tank(CMD): | Yes  |
|             | Fire fighting - Overhead water tank(CMD):    | yES  |
|             | Excess treated water                         | NO   |

Details of Swimming pool (If any)

NA

**33.Details of Total water consumed**


| Particulars | Consumption (CMD) |                |                | Loss (CMD)     |                |                | Effluent (CMD) |                |                |
|-------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|             | Existing          | Proposed       | Total          | Existing       | Proposed       | Total          | Existing       | Proposed       | Total          |
| Domestic    | Not applicable    | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

**34.Rain Water Harvesting (RWH)**

|  |                |
|--|----------------|
| Level of the Ground water table:         | NA             |
| Size and no of RWH tank(s) and Quantity: | NA             |
| Location of the RWH tank(s):             | NA             |
| Quantity of recharge pits:               | NA             |
| Size of recharge pits :                  | NA             |
| Budgetary allocation (Capital cost) :    | NA             |
| Budgetary allocation (O & M cost) :      | NA             |
| Details of UGT tanks if any :            | NOT APPLICABLE |


**35.Storm water drainage**

|                                 |                |
|---------------------------------|----------------|
| Natural water drainage pattern: | YES            |
| Quantity of storm water:        | NO             |
| Size of SWD:                    | NOT APPLICABLE |

  
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|                               |   |    |
|-------------------------------|---|----|
| <b>Sewage and Waste water</b> | <b>Sewage generation in KLD:</b>              | NA |
|                               | <b>STP technology:</b>                        | NA |
|                               | <b>Capacity of STP (CMD):</b>                 | NA |
|                               | <b>Location &amp; area of the STP:</b>        | NA |
|                               | <b>Budgetary allocation (Capital cost):</b>   | NA |
|                               | <b>Budgetary allocation (O &amp; M cost):</b> | NA |

### 36.Solid waste Management

|   |  |    |
|---|--|----|
| <b>Waste generation in the Pre Construction and Construction phase:</b> | <b>Waste generation:</b>                                   | NA |
|   | <b>Disposal of the construction waste debris:</b>          | NA |
| <b>Waste generation in the operation Phase:</b>                         | <b>Dry waste:</b>  | NA |
|   | <b>Wet waste:</b>  | NA |
|   | <b>Hazardous waste:</b>                                    | NA |
|   | <b>Biomedical waste (If applicable):</b>                   | NA |
|   | <b>STP Sludge (Dry sludge):</b>                            | NA |
|   | <b>Others if any:</b>                                      | NA |
| <b>Mode of Disposal of waste:</b>                                       | <b>Dry waste:</b>  | NA |
|   | <b>Wet waste:</b>  | NA |
|   | <b>Hazardous waste:</b>                                    | NA |
|   | <b>Biomedical waste (If applicable):</b>                   | NA |
|   | <b>STP Sludge (Dry sludge):</b>                            | NA |
|   | <b>Others if any:</b>                                      | NA |
| <b>Area requirement:</b>  | <b>Location(s):</b>  | NA |
|   | <b>Area for the storage of waste &amp; other material:</b> | NA |
|   | <b>Area for machinery:</b>                                 | NA |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b>            | <b>Capital cost:</b>                                       | NA |
|   | <b>O &amp; M cost:</b>                                     | NA |


### 37.Effluent Charecterestics

| Serial Number                        | Parameters     | Unit           | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|--------------------------------------|----------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| 1                                    | Not applicable | Not applicable | Not applicable                 | Not applicable                  | Not applicable                      |
| Amount of effluent generation (CMD): |                | Not applicable |                                |                                 |                                     |
| Capacity of the ETP:                 |                | Not applicable |                                |                                 |                                     |

  
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|                                       |                |
|---------------------------------------|----------------|
| Amount of treated effluent recycled : | Not applicable |
| Amount of water send to the CETP:     | Not applicable |
| Membership of CETP (if require):      | Not applicable |
| Note on ETP technology to be used     | Not applicable |
| Disposal of the ETP sludge            | Not applicable |

### 38.Hazardous Waste Details

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

### 39.Stacks emission Details

| Serial Number | Section & units | Fuel Used with Quantity | Stack No.      | Height from ground level (m) | Internal diameter (m) | Temp. of Exhaust Gases |
|---------------|-----------------|-------------------------|----------------|------------------------------|-----------------------|------------------------|
| 1             | Not applicable  | Not applicable          | Not applicable | Not applicable               | Not applicable        | Not applicable         |

### 40.Details of Fuel to be used

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

|                                  |   |    |
|----------------------------------|---|----|
| <b>43.Green Belt Development</b> | Total RG area :                         | NA |
|                                  | No of trees to be cut :                 | NA |
|                                  | Number of trees to be planted :         | NA |
|                                  | List of proposed native trees :         | NA |
|                                  | Timeline for completion of plantation : | NA |

### 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             | NA                | NA          | NA       | NA                                      |

### 45.Total quantity of plants on ground

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

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

### 47.Energy

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

|                           |   |             |
|---------------------------|---|-------------|
| <b>Power requirement:</b> | Source of power supply :                                      | ELECTRICITY |
|                           | During Construction Phase: (Demand Load)                      | 3           |
|                           | DG set as Power back-up during construction phase             | YES         |
|                           | During Operation phase (Connected load):                      | YES         |
|                           | During Operation phase (Demand load):                         | NO          |
|                           | Transformer:  | NO          |
|                           | DG set as Power back-up during operation phase:               | YES         |
|                           | Fuel used:  | YES         |
|                           | Details of high tension line passing through the plot if any: | NO          |

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

NOT APPLICABLE

#### 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 |
|----------------|-----------------------------------|--------------------------|
| Not applicable | Not applicable                    | Not applicable           |

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

#### 51. Environmental Management plan Budgetary Allocation

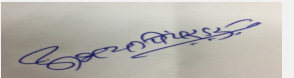
##### a) Construction phase (with Break-up):

| Serial Number | Attributes     | Parameter      | Total Cost per annum (Rs. In Lacs) |
|---------------|----------------|----------------|------------------------------------|
| 1             | Not applicable | Not applicable | Not applicable                     |

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


| Serial Number | Component      | Description    | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|----------------|----------------|--------------------------|---|
| 1             | Not applicable | Not applicable | Not applicable           | Not applicable                                    |

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

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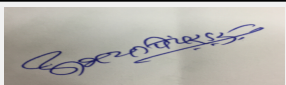
| Description    | Status         | Location       | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|----------------|----------------|----------------|------------------------|--|---------------------------|------------------|-------------------------|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

### 52. Any Other Information

No Information Available


### 53. Traffic Management

|                  |   |    |
|------------------|---|----|
|                  | Nos. of the junction to the main road & design of confluence:   | NO |
| Parking details: | Number and area of basement:  | NO |
|                  | Number and area of podia:   | NO |
|                  | Total Parking area:   | NO |
|                  | Area per car:   | NO |
|                  | Area per car:   | NO |
|                  | Number of 2-Wheelers as approved by competent authority:  | NO |
|                  | Number of 4-Wheelers as approved by competent authority:  | NO |
|                  | Public Transport:   | NO |
|                  | Width of all Internal roads (m):  | NO |
|                  | CRZ/ RRZ clearance obtain, if any:  | NO |
|                  | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | NO |
|                  | Category as per schedule of EIA Notification sheet  | NO |
|                  | Court cases pending if any  | NO |
|                  | Other Relevant Informations   | NO |

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

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

|   |                |
|---|----------------|
| <b>Environmental Impacts of the project</b>                     | Not Applicable |
| <b>Water Budget</b>   | Not Applicable |
| <b>Waste Water Treatment</b>                                    | Not Applicable |
| <b>Drainage pattern of the project</b>                          | Not Applicable |
| <b>Ground water parameters</b>                                  | Not Applicable |
| <b>Solid Waste Management</b>                                   | Not Applicable |
| <b>Air Quality &amp; Noise Level issues</b>                     | Not Applicable |
| <b>Energy Management</b>  | Not Applicable |
| <b>Traffic circulation system and risk assessment</b>           | Not Applicable |
| <b>Landscape Plan</b>   | Not Applicable |
| <b>Disaster management system and risk assessment</b>           | Not Applicable |
| <b>Socioeconomic impact assessment</b>                          | Not Applicable |
| <b>Environmental Management Plan</b>                            | Not Applicable |
| <b>Any other issues related to environmental sustainability</b> | Not Applicable |

### Brief information of the project by SEAC


### DECISION OF SEAC

PP remained absent

**Specific Conditions by SEAC:**


### FINAL RECOMMENDATION

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

  
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## 154th Meeting of State Level Expert Appraisal Committee (SEAC-1)

**SEAC Meeting number:** 154th ,Day-4 **Meeting Date** August 30, 2018

**Subject:** Environment Clearance for MPCB CERTIFICATE

**Is a Violation Case:** No

|  |   |
|--|---|
| 1.Name of Project  | SMIKSHA FRUITS  |
| 2.Type of institution  | Private   |
| 3.Name of Project Proponent  | BANANA RIPENING CHAMBER                                   |
| 4.Name of Consultant   | NA  |
| 5.Type of project  | OTHERS  |
| 6.New project/expansion in existing project/modernization/diversification in existing project          | Not applicable  |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Not applicable  |
| 8.Location of the project  | GAT NO.257, A/P-NANOLI TARFE CHAKAN, TAL-MAVAL, DIST-PUNE |
| 9.Taluka   | MAVAL   |
| 10.Village   | NANOLI TARFE CHAKAN                                       |
| Correspondence Name:   | MARUTI VITTHAL MARATHE                                    |
| Room Number:   | NA  |
| Floor:   | NA  |
| Building Name:   | NA  |
| Road/Street Name:  | BEHIND GANESH MANDIR                                      |
| Locality:  | A/P-VARALE, TAL-MAVAL, DIST-PUNE                          |
| City:  | PUNE  |
| 11.Area of the project   | GRAMPANCHAYAT   |
| 12.IOD/IOA/Concession/Plan Approval Number   | NA  |
|  | IOD/IOA/Concession/Plan Approval Number: NA               |
|  | Approved Built-up Area: 1066                              |
| 13.Note on the initiated work (If applicable)  | NA  |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)   | GRAMPANCHAYAT NOC   |
| 15.Total Plot Area (sq. m.)  | 3234  |
| 16.Deductions  | NA  |
| 17.Net Plot area   | 3234  |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI)  | a) FSI area (sq. m.): NA                                  |
|  | b) Non FSI area (sq. m.): NA                              |
|  | c) Total BUA area (sq. m.): 1066                          |
| 18 (b).Approved Built up area as per DCR   | Approved FSI area (sq. m.): NA                            |
|  | Approved Non FSI area (sq. m.): NA                        |
|  | Date of Approval: 01-01-1900                              |
| 19.Total ground coverage (m2)  | NA  |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)                           | NA  |
| 21.Estimated cost of the project   | 4791250   |

### 22.Number of buildings & its configuration

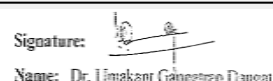
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------|------------------|-------------------------------|
|---------------|------------------------|------------------|-------------------------------|



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|   |                  |   |    |
|---|------------------|---|----|
| 1   | SAMIKSHA FRUITS  | 1 | 20 |
| 23.Number of tenants and shops  | 1                |   |    |
| 24.Number of expected residents / users   | 2                |   |    |
| 25.Tenant density per hectare   | NA               |   |    |
| 26.Height of the building(s)  |                  |   |    |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | TALEGAON DABHADE |   |    |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | NA               |   |    |
| 29.Existing structure (s) if any  | NA               |   |    |
| 30.Details of the demolition with disposal (If applicable)  | NA               |   |    |

### 31.Production Details

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

### 32.Total Water Requirement

|             |  |          |
|-------------|--|----------|
| Dry season: | Source of water                              | PIPELINE |
|             | Fresh water (CMD):                           | NA       |
|             | Recycled water - Flushing (CMD):             | NA       |
|             | Recycled water - Gardening (CMD):            | NA       |
|             | Swimming pool make up (Cum):                 | NA       |
|             | Total Water Requirement (CMD) :              | NA       |
|             | Fire fighting - Underground water tank(CMD): | NA       |
|             | Fire fighting - Overhead water tank(CMD):    | NA       |
|             | Excess treated water                         | NA       |

  
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|                                   |  |          |
|-----------------------------------|--|----------|
| Wet season:                       | Source of water                              | PIPELINE |
|                                   | Fresh water (CMD):                           | NA       |
|                                   | Recycled water - Flushing (CMD):             | NA       |
|                                   | Recycled water - Gardening (CMD):            | NA       |
|                                   | Swimming pool make up (Cum):                 | NA       |
|                                   | Total Water Requirement (CMD) :              | NA       |
|                                   | Fire fighting - Underground water tank(CMD): | NA       |
|                                   | Fire fighting - Overhead water tank(CMD):    | NA       |
|                                   | Excess treated water                         | NA       |
| Details of Swimming pool (If any) | NA   |          |

### 33.Details of Total water consumed

| Particulars        | Consumption (CMD) |                |                | Loss (CMD)     |                |                | Effluent (CMD) |                |                |
|--------------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                    | Existing          | Proposed       | Total          | Existing       | Proposed       | Total          | Existing       | Proposed       | Total          |
| Industrial Process | Not applicable    | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

|                                |  |    |
|--------------------------------|--|----|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table:         | NA |
|                                | Size and no of RWH tank(s) and Quantity: | NA |
|                                | Location of the RWH tank(s):             | NA |
|                                | Quantity of recharge pits:               | NA |
|                                | Size of recharge pits :                  | NA |
|                                | Budgetary allocation (Capital cost) :    | NA |
|                                | Budgetary allocation (O & M cost) :      | NA |
|                                | Details of UGT tanks if any :            | NA |

|                         |                                 |    |
|-------------------------|---------------------------------|----|
| 35.Storm water drainage | Natural water drainage pattern: | NA |
|                         | Quantity of storm water:        | NA |
|                         | Size of SWD:                    | NA |



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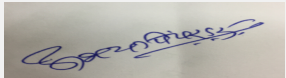
|                               |   |    |
|-------------------------------|---|----|
| <b>Sewage and Waste water</b> | <b>Sewage generation in KLD:</b>              | NA |
|                               | <b>STP technology:</b>                        | NA |
|                               | <b>Capacity of STP (CMD):</b>                 | NA |
|                               | <b>Location &amp; area of the STP:</b>        | NA |
|                               | <b>Budgetary allocation (Capital cost):</b>   | NA |
|                               | <b>Budgetary allocation (O &amp; M cost):</b> | NA |

### 36.Solid waste Management

|   |  |    |
|---|--|----|
| <b>Waste generation in the Pre Construction and Construction phase:</b> | <b>Waste generation:</b>                                   | NA |
|   | <b>Disposal of the construction waste debris:</b>          | NA |
| <b>Waste generation in the operation Phase:</b>                         | <b>Dry waste:</b>  | NA |
|   | <b>Wet waste:</b>  | NA |
|   | <b>Hazardous waste:</b>                                    | NA |
|   | <b>Biomedical waste (If applicable):</b>                   | NA |
|   | <b>STP Sludge (Dry sludge):</b>                            | NA |
|   | <b>Others if any:</b>                                      | NA |
| <b>Mode of Disposal of waste:</b>                                       | <b>Dry waste:</b>  | NA |
|   | <b>Wet waste:</b>  | NA |
|   | <b>Hazardous waste:</b>                                    | NA |
|   | <b>Biomedical waste (If applicable):</b>                   | NA |
|   | <b>STP Sludge (Dry sludge):</b>                            | NA |
|   | <b>Others if any:</b>                                      | NA |
| <b>Area requirement:</b>  | <b>Location(s):</b>  | NA |
|   | <b>Area for the storage of waste &amp; other material:</b> | NA |
|   | <b>Area for machinery:</b>                                 | NA |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b>            | <b>Capital cost:</b>                                       | NA |
|   | <b>O &amp; M cost:</b>                                     | NA |


### 37.Effluent Charecterestics

| Serial Number                        | Parameters     | Unit           | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
|--------------------------------------|----------------|----------------|--------------------------------|---------------------------------|-------------------------------------|
| 1                                    | Not applicable | Not applicable | Not applicable                 | Not applicable                  | Not applicable                      |
| Amount of effluent generation (CMD): |                | Not applicable |                                |                                 |                                     |
| Capacity of the ETP:                 |                | Not applicable |                                |                                 |                                     |

  
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|                                       |                |
|---------------------------------------|----------------|
| Amount of treated effluent recycled : | Not applicable |
| Amount of water send to the CETP:     | Not applicable |
| Membership of CETP (if require):      | Not applicable |
| Note on ETP technology to be used     | Not applicable |
| Disposal of the ETP sludge            | Not applicable |

### 38.Hazardous Waste Details

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

### 39.Stacks emission Details

| Serial Number | Section & units | Fuel Used with Quantity | Stack No.      | Height from ground level (m) | Internal diameter (m) | Temp. of Exhaust Gases |
|---------------|-----------------|-------------------------|----------------|------------------------------|-----------------------|------------------------|
| 1             | Not applicable  | Not applicable          | Not applicable | Not applicable               | Not applicable        | Not applicable         |

### 40.Details of Fuel to be used

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

|                                  |   |    |
|----------------------------------|---|----|
| <b>43.Green Belt Development</b> | Total RG area :                         | NA |
|                                  | No of trees to be cut :                 | NA |
|                                  | Number of trees to be planted :         | NA |
|                                  | List of proposed native trees :         | NA |
|                                  | Timeline for completion of plantation : | NA |

### 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             | NA                | NA          | NA       | NA                                      |

### 45.Total quantity of plants on ground

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

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

### 47.Energy

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

|                           |   |             |
|---------------------------|---|-------------|
| <b>Power requirement:</b> | Source of power supply :                                      | ELECTRICITY |
|                           | During Construction Phase: (Demand Load)                      | 3           |
|                           | DG set as Power back-up during construction phase             | NA          |
|                           | During Operation phase (Connected load):                      | NA          |
|                           | During Operation phase (Demand load):                         | NA          |
|                           | Transformer:  | NA          |
|                           | DG set as Power back-up during operation phase:               | NA          |
|                           | Fuel used:  | NA          |
|                           | Details of high tension line passing through the plot if any: | NA          |

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

NA

#### 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 |
|----------------|-----------------------------------|--------------------------|
| Not applicable | Not applicable                    | Not applicable           |

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

#### 51. Environmental Management plan Budgetary Allocation


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

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|------------|-----------|------------------------------------|
| 1             | NA         | NA        | NA                                 |

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


| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|-----------|-------------|--------------------------|---|
| 1             | NA        | NA          | NA                       | NA  |

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

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

### 52. Any Other Information

No Information Available


### 53. Traffic Management

|                  |   |    |
|------------------|---|----|
|                  | Nos. of the junction to the main road & design of confluence:   | NA |
| Parking details: | Number and area of basement:  | NA |
|                  | Number and area of podia:   | NA |
|                  | Total Parking area:   | NA |
|                  | 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):  | NA |
|                  | CRZ/ RRZ clearance obtain, if any:  | NA |
|                  | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | NA |
|                  | Category as per schedule of EIA Notification sheet  | NA |
|                  | Court cases pending if any  | NA |
|                  | Other Relevant Informations   | NA |

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

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

|   |                |
|---|----------------|
| <b>Environmental Impacts of the project</b>                     | Not Applicable |
| <b>Water Budget</b>   | Not Applicable |
| <b>Waste Water Treatment</b>                                    | Not Applicable |
| <b>Drainage pattern of the project</b>                          | Not Applicable |
| <b>Ground water parameters</b>                                  | Not Applicable |
| <b>Solid Waste Management</b>                                   | Not Applicable |
| <b>Air Quality &amp; Noise Level issues</b>                     | Not Applicable |
| <b>Energy Management</b>  | Not Applicable |
| <b>Traffic circulation system and risk assessment</b>           | Not Applicable |
| <b>Landscape Plan</b>   | Not Applicable |
| <b>Disaster management system and risk assessment</b>           | Not Applicable |
| <b>Socioeconomic impact assessment</b>                          | Not Applicable |
| <b>Environmental Management Plan</b>                            | Not Applicable |
| <b>Any other issues related to environmental sustainability</b> | Not Applicable |

### Brief information of the project by SEAC

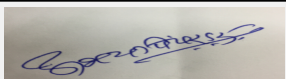
### DECISION OF SEAC

PP remained absent

**Specific Conditions by SEAC:**


### FINAL RECOMMENDATION

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

  
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## 154th Meeting of State Level Expert Appraisal Committee (SEAC-1)

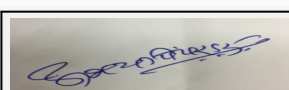
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**Subject:** Environment Clearance for Grant of Violation ToR's for Expansion of grain based distillery from 30 KLPD to 58 KLPD (expansion by 28 KLPD. )

**Is a Violation Case:** Yes

|  |   |
|--|---|
| 1.Name of Project  | M/s. Viraj Alcohols & Allied Industries Ltd.,   |
| 2.Type of institution  | Private   |
| 3.Name of Project Proponent  | Mr. Mansing Fattensingrao Naik (Chairman)   |
| 4.Name of Consultant   | Equinox Environments (India) Pvt. Ltd., Kolhapur  |
| 5.Type of project  | Industry  |
| 6.New project/expansion in existing project/modernization/diversification in existing project          | Expansion of grain based distillery from 30 KLPD to 58 KLPD (expansion by 28 KLPD. )<br>Application for ToR's         |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Yes, Environmental Clearance granted by MoEF vide letter no. - J-11011/185/2006-IA II (I)<br>Dated 25 September, 2006 |
| 8.Location of the project  | Gat No. 511   |
| 9.Taluka   | Shirala   |
| 10.Village   | Kapari  |
| Correspondence Name:   | Yuvraj B. Gaikwad (General Manager)   |
| Room Number:   | --  |
| Floor:   | --  |
| Building Name:   | Viraj Alcohols & Allied Industries Ltd.   |
| Road/Street Name:  | A/p.-Kapari   |
| Locality:  | Tal.: Shirala   |
| City:  | Sangli  |
| 11.Area of the project   | NA  |
| 12.IOD/IOA/Concession/Plan Approval Number   | NA<br>IOD/IOA/Concession/Plan Approval Number: NA<br>Approved Built-up Area: 13088.77                                 |
| 13.Note on the initiated work (If applicable)  | One additional silo, additional 7 distillation columns and higher capacity boiler installation has been done on site. |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)   | --  |
| 15.Total Plot Area (sq. m.)  | 44515.9   |
| 16.Deductions  | NA  |
| 17.Net Plot area   | 44515.9 Sq. M.  |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI)  | a) FSI area (sq. m.): Not applicable  |
|  | b) Non FSI area (sq. m.): Not applicable  |
|  | c) Total BUA area (sq. m.):   |
| 18 (b).Approved Built up area as per DCR   | Approved FSI area (sq. m.): NA  |
|  | Approved Non FSI area (sq. m.): NA  |
|  | Date of Approval: 01-01-1900  |
| 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   | 120600000   |

## 22.Number of buildings & its configuration



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| 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  | NA                          |                  |                               |              |
| 24.Number of expected residents / users   | NA                          |                  |                               |              |
| 25.Tenant density per hectare   | NA                          |                  |                               |              |
| 26.Height of the building(s)  |                             |                  |                               |              |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | 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)  | NA                          |                  |                               |              |
| <b>31.Production Details</b>  |                             |                  |                               |              |
| Serial Number   | Product                     | Existing (MT/M)  | Proposed (MT/M)               | Total (MT/M) |
| 1   | Rectified Spirit (RS)       | 900 KL/M         | 840 KL/M                      | 1740 KL/M    |
| 2   | Ethanol                     | 802 KL/M         | 749 KL/M                      | 1551 KL/M    |
| 3   | Extra Neutral Alcohol (ENA) | 812 KL/M         | 758 KL/M                      | 1570 KL/M    |
| 4   | Electricity                 | --               | 1 MW                          | 1 MW         |
| 5   | CO2 Gas                     | 660 MT/M         | 616 MT/M                      | 1276 MT/M    |
| 6   | DWGS                        | 2220 MT/M        | 2070 MT/M                     | 4290 MT/M    |
| 7   | DDGS                        | 390 MT/M         | 360 MT/M                      | 750 MT/M     |
| <b>32.Total Water Requirement</b>   |                             |                  |                               |              |

  
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|                                   |  |  |
|-----------------------------------|--|--|
| Dry season:                       | Source of water                              | Warna River                                    |
|                                   | Fresh water (CMD):                           | 323  |
|                                   | Recycled water - Flushing (CMD):             | 725 (In process & utilities; not for flushing) |
|                                   | Recycled water - Gardening (CMD):            | NA   |
|                                   | Swimming pool make up (Cum):                 | NA   |
|                                   | Total Water Requirement (CMD) :              | 1048   |
|                                   | Fire fighting - Underground water tank(CMD): | NA   |
|                                   | Fire fighting - Overhead water tank(CMD):    | NA   |
|                                   | Excess treated water                         | NA   |
| Wet season:                       | Source of water                              | Warna River                                    |
|                                   | Fresh water (CMD):                           | 288  |
|                                   | Recycled water - Flushing (CMD):             | 760 (In process & utilities; not for flushing) |
|                                   | Recycled water - Gardening (CMD):            | NA   |
|                                   | Swimming pool make up (Cum):                 | NA   |
|                                   | Total Water Requirement (CMD) :              | 1048   |
|                                   | Fire fighting - Underground water tank(CMD): | NA   |
|                                   | Fire fighting - Overhead water tank(CMD):    | NA   |
|                                   | Excess treated water                         | NA   |
| 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                   | 18                | 0        | 18    | 2.5        | 0        | 2.5   | 15.5           | 0        | 15.5  |
| Industrial Process         | 298               | 281      | 579   | 34         | 32       | 66    | 264            | 249      | 513   |
| Cooling tower & thermopack | 257               | 194      | 451   | 237        | 184      | 421   | 20             | 10       | 30    |


  
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|   |   |  |
|---|---|--|
| <b>34.Rain Water Harvesting (RWH)</b>                                   | <b>Level of the Ground water table:</b>           | Planning of RWH is done. Implementation on site is under process                                 |
|   | <b>Size and no of RWH tank(s) and Quantity:</b>   | Planning of RWH is done. Implementation on site is under process                                 |
|   | <b>Location of the RWH tank(s):</b>               | Planning of RWH is done. Implementation on site is under process                                 |
|   | <b>Quantity of recharge pits:</b>                 | Planning of RWH is done. Implementation on site is under process                                 |
|   | <b>Size of recharge pits :</b>                    | Planning of RWH is done. Implementation on site is under process                                 |
|   | <b>Budgetary allocation (Capital cost) :</b>      | Rs. 10 Lakhs   |
|   | <b>Budgetary allocation (O &amp; M cost) :</b>    | Rs. 1 Lakhs  |
|   | <b>Details of UGT tanks if any :</b>              | NA   |
| <b>35.Storm water drainage</b>  | <b>Natural water drainage pattern:</b>            | NA   |
|   | <b>Quantity of storm water:</b>                   | NA   |
|   | <b>Size of SWD:</b>                               | NA   |
| <b>Sewage and Waste water</b>   | <b>Sewage generation in KLD:</b>                  | 15.5 CMD. Same will be treat in proposed STP.  |
|   | <b>STP technology:</b>                            | Activated Sludge Process (ASP)   |
|   | <b>Capacity of STP (CMD):</b>                     | 20 CMD   |
|   | <b>Location &amp; area of the STP:</b>            | Towards south direction of plot  |
|   | <b>Budgetary allocation (Capital cost):</b>       | Rs. 15 lakhs   |
|   | <b>Budgetary allocation (O &amp; M cost):</b>     | Rs. 0.25 Lakhs   |
| <b>36.Solid waste Management</b>  |   |  |
| <b>Waste generation in the Pre Construction and Construction phase:</b> | <b>Waste generation:</b>                          | NA   |
|   | <b>Disposal of the construction waste debris:</b> | NA   |
| <b>Waste generation in the operation Phase:</b>                         | <b>Dry waste:</b>                                 | Existing Bagasse Ash - 1.5 MT/D, Proposed bagasse/ biomass ash - 1.1 MT/D OR Coal Ash - 3.5 MT/D |
|   | <b>Wet waste:</b>                                 | NA   |
|   | <b>Hazardous waste:</b>                           | Distillation residue - (Cat. 20.3) and ETP Sludge (Cat 34.2) - 0.0048 MT/D                       |
|   | <b>Biomedical waste (If applicable):</b>          | NA   |
|   | <b>STP Sludge (Dry sludge):</b>                   | 0.002 MT/D   |
|   | <b>Others if any:</b>                             | NA   |

  
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|  |  |  |
|--|--|--|
| <b>Mode of Disposal of waste:</b>                            | <b>Dry waste:</b>  | Bagasse Ash- Used as Manure. Coal Ash-Supplied to Brick manufacturer       |
|  | <b>Wet waste:</b>  | NA   |
|  | <b>Hazardous waste:</b>                                    | Distillation Residue and ETP Sludge -Used as Manure as a soil conditioner. |
|  | <b>Biomedical waste (If applicable):</b>                   | NA   |
|  | <b>STP Sludge (Dry sludge):</b>                            | Used as manure   |
|  | <b>Others if any:</b>                                      | NA   |
| <b>Area requirement:</b>                                     | <b>Location(s):</b>  | NA   |
|  | <b>Area for the storage of waste &amp; other material:</b> | Within industrial premises (5 Sq. M.)                                      |
|  | <b>Area for machinery:</b>                                 | NA   |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>                                       | Rs. 35 Lakhs   |
|  | <b>O &amp; M cost:</b>                                     | Rs. 1 Lakhs  |

### 37. Effluent Characteristics

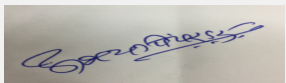
| Serial Number                         | Parameters                      | Unit   | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------------------------------|---------------------------------|--|--------------------------------|---------------------------------|-------------------------------------|
| 1                                     | pH                              | --   | 4.30                           | 6.92                            | --                                  |
| 2                                     | Suspended Solids (SS)           | mg / lit                                       | 83.00                          | 52.00                           | 100                                 |
| 3                                     | Total Dissolved Solids (TDS)    | mg / lit                                       | 767.00                         | 540.00                          | 2100                                |
| 4                                     | Chemical Oxygen Demand (COD)    | mg / lit                                       | 2037.60                        | 90.60                           | 250                                 |
| 5                                     | Biochemical Oxygen Demand (BOD) | mg / lit                                       | 831.65                         | 32.30                           | 100                                 |
| Amount of effluent generation (CMD):  |                                 | 41 CMD   |                                |                                 |                                     |
| Capacity of the ETP:                  |                                 | 72 CMD   |                                |                                 |                                     |
| Amount of treated effluent recycled : |                                 | 35 CMD   |                                |                                 |                                     |
| Amount of water send to the CETP:     |                                 | NA   |                                |                                 |                                     |
| Membership of CETP (if require):      |                                 | NA   |                                |                                 |                                     |
| Note on ETP technology to be used     |                                 | Primary, Secondary and Tertiary treatment, ASP |                                |                                 |                                     |
| Disposal of the ETP sludge            |                                 | Used as Manure as a soil conditioner           |                                |                                 |                                     |

### 38. Hazardous Waste Details

| Serial Number | Description                         | Cat                    | UOM  | Existing | Proposed | Total | Method of Disposal                    |
|---------------|-------------------------------------|------------------------|------|----------|----------|-------|---------------------------------------|
| 1             | Distillation Residue and ETP Sludge | Cat.20.3 and Cat. 34.2 | Kg/D | 2.5      | 2.3      | 4.8   | Used as Manure as a soil conditioner. |


### 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 |
|---------------|-----------------|-------------------------|-----------|------------------------------|-----------------------|------------------------|
|---------------|-----------------|-------------------------|-----------|------------------------------|-----------------------|------------------------|

  
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|   |        |   |   |                                     |     |       |
|---|--------|---|---|-------------------------------------|-----|-------|
| 1 | Boiler | Bagasse (130 MTPD) or Coal (70 MTPD) or Cashew cake (70 MTPD) | 1 | Existing 33 M, After expansion 40 M | 1.8 | 125°C |
|---|--------|---|---|-------------------------------------|-----|-------|

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

| Serial Number | Type of Fuel        | Existing | Proposed | Total |
|---------------|---------------------|----------|----------|-------|
| 1             | Bagasse ( MTPD)     | 75       | 55       | 130   |
| 2             | Coal ( MTPD)        | --       | 70       | 70    |
| 3             | Cashew cake ( MTPD) | --       | 70       | 70    |

41.Source of Fuel Bagasse - nearby sugar factories, Coal - authorized coal supplier

42.Mode of Transportation of fuel to site By road

#### 43.Green Belt Development

|  |   |
|--|---|
| <b>Total RG area :</b>                         | 14,700 Sq. M.   |
| <b>No of trees to be cut :</b>                 | NA  |
| <b>Number of trees to be planted :</b>         | 200   |
| <b>List of proposed native trees :</b>         | Chinch, Vad, Pimpal, Silver Oak, Karanj, Saptaparni, Ashok, Umbar, rain tree  |
| <b>Timeline for completion of plantation :</b> | Already 33% of green belt is developed on site. under expansion of distiller existing green belt will be segmented. |

#### 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             | Samaneo samon          | Rain tree   | 20       | Evergreen                               |
| 2             | Delonix regia          | Gulmohor    | 15       | Evergreen                               |
| 3             | Millettia pinnata      | Karanj      | 20       | Evergreen                               |
| 4             | Alstonia scholaris     | Saptaparni  | 10       | Evergreen                               |
| 5             | Anthocephalus chmensis | Kadamb      | 25       | Deciduous                               |
| 6             | Tomorindus indica      | Chinch      | 12       | Deciduous                               |
| 7             | Polyalthia longifolia  | Ashok       | 5        | Evergreen                               |
| 8             | Ficus religiose        | Pimpal      | 10       | Evergreen                               |
| 9             | Ficus benghalensis     | Vad         | 5        | Evergreen                               |
| 10            | Ficus glomerate        | Umbar       | 20       | Deciduous                               |

45.Total quantity of plants on ground

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


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

#### 47.Energy

  
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|                           |  |                                     |
|---------------------------|--|-------------------------------------|
| <b>Power requirement:</b> | <b>Source of power supply :</b>                                      | Own turbine & generator (1 MW)      |
|                           | <b>During Construction Phase: (Demand Load)</b>                      | NIL                                 |
|                           | <b>DG set as Power back-up during construction phase</b>             | NIL                                 |
|                           | <b>During Operation phase (Connected load):</b>                      | NIL                                 |
|                           | <b>During Operation phase (Demand load):</b>                         | 1MW                                 |
|                           | <b>Transformer:</b>  | NA                                  |
|                           | <b>DG set as Power back-up during operation phase:</b>               | Existing 160 KVA & proposed 320 KVA |
|                           | <b>Fuel used:</b>  | HSD                                 |
|                           | <b>Details of high tension line passing through the plot if any:</b> | NA                                  |

#### 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                                    |
|--------|---|---|
| Boiler | Mechanical Dust Collector (MDC) followed by bag filter with 33 M height of of stack | MDC followed by bag filters along with 40 M height of stack |

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

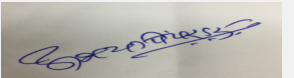
#### 51. Environmental Management plan Budgetary Allocation

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

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|------------|-----------|------------------------------------|
| 1             | NA         | NA        | NA                                 |


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

| Serial Number | Component     | Description  | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|---------------|--|--------------------------|---|
| 1             | APC Equipment | Bag Filters to 20 TPH boiler and increasing stack height so as to make 40 M stack, Online monitoring system. | 56                       | 1   |

  
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|   |  |  |      |      |
|---|--|--|------|------|
| 2 | Installation of STP  | Installation of STP  | 15   | 0.25 |
| 3 | ETP  | ETP  | 60   | 1.5  |
| 4 | Noise Pollution Control  | Noise Pollution Control  | 10   | 0.50 |
| 5 | Occupational Health & Safety   | Occupational Health & Safety   | 5    | 0.50 |
| 6 | Environmental Monitoring & Management                                | Environmental Monitoring & Management                                | 5    | 10   |
| 7 | Solid Wastes Disposal -Ash Silos, Transportation                     | Solid Wastes Disposal -Ash Silos, Transportation                     | 35   | 1    |
| 8 | Green Belt Augmentation Plan & Rain Water Harvesting implementation. | Green Belt Augmentation Plan & Rain Water Harvesting implementation. | 25   | 1.25 |
| 9 | CSR amount (for 2.5 years after expansion)                           | CSR amount (for 2.5 years after expansion)                           | 42.5 | -    |

### 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 |
|-------------|--------|----------|------------------------|--|---------------------------|------------------|-------------------------|
| NA          | NA     | NA       | NA                     | NA   | NA                        | NA               | NA                      |

### 52.Any Other Information

No Information Available


### 53.Traffic Management

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


  
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|   |   |   |
|---|---|---|
| Parking details:                                | Number and area of basement:  | NA  |
|   | Number and area of podia:   | NA  |
|   | Total Parking area:   | NA  |
|   | 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):  | NA  |
|   | CRZ/ RRZ clearance obtain, if any:  | NA  |
|   | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | NA  |
|   | Category as per schedule of EIA Notification sheet  | B   |
|   | Court cases pending if any  | NIL   |
|   | Other Relevant Informations   | ToR's granted by SEAC-1 in 124th meeting dt. 30.03.2016. SEAC-1 committee visited to site on 26.04.2016. Site visit report was discussed in 126th SEAC-1 meeting. In 127th SEAC-1 meeting violation noticed. Compliance done by industry and submitted to DoE, Maharashtra time to time. Subsequently, EIA done & Public Hearing conducted. |
|   | Have you previously submitted Application online on MOEF Website.                                       | No  |
|   | Date of online submission   | -   |
| <b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b> |   |   |
| Environmental Impacts of the project            | Not Applicable  |   |
| Water Budget                                    | Not Applicable  |   |
| Waste Water Treatment                           | Not Applicable  |   |
| Drainage pattern of the project                 | Not Applicable  |   |

  
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|   |                |
|---|----------------|
| <b>Ground water parameters</b>                                  | Not Applicable |
| <b>Solid Waste Management</b>                                   | Not Applicable |
| <b>Air Quality &amp; Noise Level issues</b>                     | Not Applicable |
| <b>Energy Management</b>  | Not Applicable |
| <b>Traffic circulation system and risk assessment</b>           | Not Applicable |
| <b>Landscape Plan</b>   | Not Applicable |
| <b>Disaster management system and risk assessment</b>           | Not Applicable |
| <b>Socioeconomic impact assessment</b>                          | Not Applicable |
| <b>Environmental Management Plan</b>                            | Not Applicable |
| <b>Any other issues related to environmental sustainability</b> | Not Applicable |

### Brief information of the project by SEAC

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.

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

### DECISION OF SEAC

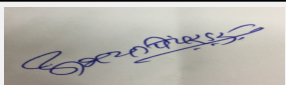
PP requested to postpone the case.

Hence, Deferred

**Specific Conditions by SEAC:**


### FINAL RECOMMENDATION

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

  
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## 154th Meeting of State Level Expert Appraisal Committee (SEAC-1)

**SEAC Meeting number: 154th ,Day-4 Meeting Date August 30, 2018**

**Subject:** Environment Clearance for Proposed Expansion of Existing Perfumery Chemicals Manufacturing Unit

**Is a Violation Case:** Yes

|   |   |
|---|---|
| <b>1.Name of Project</b>  | M/s. DRT- Anthea Aroma Chemicals Pvt. Ltd.  |
| <b>2.Type of institution</b>  | Private   |
| <b>3.Name of Project Proponent</b>  | Mr. Latesh Mirkar   |
| <b>4.Name of Consultant</b>   | Equinox Environments (India) Pvt. Ltd.  |
| <b>5.Type of project</b>  | NA  |
| <b>6.New project/expansion in existing project/modernization/diversification in existing project</b>          | Proposed Expansion of Perfumery Chemicals Manufacturing Unit.   |
| <b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b> | Yes, Environmental Clearance from Government of Maharashtra dated 30.01.2010  |
| <b>8.Location of the project</b>  | Plot No.: 51 - A/1, Roth Budruk, Roha MIDC, Tal.: Roha, Dist: Raigad, Maharashtra.  |
| <b>9.Taluka</b>   | Roha  |
| <b>10.Village</b>   | Roth Budruk   |
| <b>Correspondence Name:</b>   | Mr. Latesh Mirkar   |
| <b>Room Number:</b>   | Plot No.: 51 - A/1  |
| <b>Floor:</b>   | NA  |
| <b>Building Name:</b>   | NA  |
| <b>Road/Street Name:</b>  | Roth Budruk   |
| <b>Locality:</b>  | Roha MIDC   |
| <b>City:</b>  | Roha  |
| <b>11.Area of the project</b>   | Notified Industrial Area i.e. Roha MIDC   |
| <b>12.IOD/IOA/Concession/Plan Approval Number</b>   | NA  |
|   | <b>IOD/IOA/Concession/Plan Approval Number:</b> NA  |
|   | <b>Approved Built-up Area:</b> 17905.56   |
| <b>13.Note on the initiated work (If applicable)</b>  | Expanded the production beyond the limit of EC. Production of one product (Dihydromyrcenol) has exceeded consented quantity and EC quantity by 100 MT/Month. Though one product quantity is exceeded, the total production of three product is well below the consented quantity and EC quantity. |
| <b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>   | Existing unit of DRT-Anthea Aroma Chemicals Pvt. Ltd. is located in notified Industrial Area i.e. MIDC Roha   |
| <b>15.Total Plot Area (sq. m.)</b>  | 26,205 Sq. M.   |
| <b>16.Deductions</b>  | NA  |
| <b>17.Net Plot area</b>   | NA  |
| <b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>  | <b>a) FSI area (sq. m.):</b> NA   |
|   | <b>b) Non FSI area (sq. m.):</b> NA   |
|   | <b>c) Total BUA area (sq. m.):</b> 1470.88  |
| <b>18 (b).Approved Built up area as per DCR</b>   | <b>Approved FSI area (sq. m.):</b> NA   |
|   | <b>Approved Non FSI area (sq. m.):</b> NA   |
|   | <b>Date of Approval:</b> 30-08-2007   |
| <b>19.Total ground coverage (m2)</b>  | NA  |
| <b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>                           | NA  |
| <b>21.Estimated cost of the project</b>   | 200000000   |


## 22.Number of buildings & its configuration



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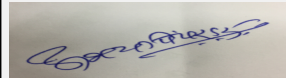

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| Serial number   | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---|------------------------|------------------|-------------------------------|
| 1   | NA                     | NA               | NA                            |
| 2   | NA                     | NA               | NA                            |
| 23.Number of tenants and shops  | NA                     |                  |                               |
| 24.Number of expected residents / users   | NA                     |                  |                               |
| 25.Tenant density per hectare   | NA                     |                  |                               |
| 26.Height of the building(s)  |                        |                  |                               |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | NA                     |                  |                               |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | NA                     |                  |                               |
| 29.Existing structure (s) if any  | NA                     |                  |                               |
| 30.Details of the demolition with disposal (If applicable)  | NA                     |                  |                               |

### 31.Production Details

| Serial Number | Product   | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|---|-----------------|-----------------|--------------|
| 1             | Anthamber   | 300             | 0.0             | 300          |
| 2             | Dihydromyrcenol   | 200             | 100             | 300          |
| 3             | Methyl Pentenone  | 200             | 0.0             | 200          |
| 4             | High Boiler (By-product)  | 170             | 35              | 205          |
| 5             | Tops (By-product)   | 0.0             | 180             | 180          |
| 6             | 65% Phosphoric Acid (By-product)  | 0.0             | 120             | 120          |
| 7             | 35% Ammonium Sulphate Solution ((NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> Solution) (By-product) OR | 600 KL/M        | 0.0             | 600 KL/M     |
| 8             | Calcium Sulphate (By-product)   | 0.0             | 300 KL/M        | 300 KL/M     |


### 32.Total Water Requirement

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

|                                   |  |                          |
|-----------------------------------|--|--------------------------|
| Dry season:                       | Source of water                              | MIDC Water supply scheme |
|                                   | Fresh water (CMD):                           | 470                      |
|                                   | Recycled water - Flushing (CMD):             | 0.0                      |
|                                   | Recycled water - Gardening (CMD):            | 0.0                      |
|                                   | Swimming pool make up (Cum):                 | NA                       |
|                                   | Total Water Requirement (CMD) :              | 470                      |
|                                   | Fire fighting - Underground water tank(CMD): | NA                       |
|                                   | Fire fighting - Overhead water tank(CMD):    | NA                       |
|                                   | Excess treated water                         | NA                       |
| Wet season:                       | Source of water                              | MIDC Water supply scheme |
|                                   | Fresh water (CMD):                           | 470                      |
|                                   | Recycled water - Flushing (CMD):             | 0.0                      |
|                                   | Recycled water - Gardening (CMD):            | 0.0                      |
|                                   | Swimming pool make up (Cum):                 | NA                       |
|                                   | Total Water Requirement (CMD) :              | 470                      |
|                                   | Fire fighting - Underground water tank(CMD): | NA                       |
|                                   | Fire fighting - Overhead water tank(CMD):    | NA                       |
|                                   | Excess treated water                         | NA                       |
| Details of Swimming pool (If any) | NA   |                          |

### 33.Details of Total water consumed

| Particulars                | Consumption (CMD) |          |       | Loss (CMD) |          |       | Effluent (CMD) |          |       |
|----------------------------|-------------------|----------|-------|------------|----------|-------|----------------|----------|-------|
|                            | Existing          | Proposed | Total | Existing   | Proposed | Total | Existing       | Proposed | Total |
| Domestic                   | 20                | 5        | 25    | 2          | 3        | 5     | 18             | 2        | 20    |
| Industrial Process         | 60                | 50       | 120   | 15         | -20      | 5     | 45             | 70       | 115   |
| Cooling tower & thermopack | 250               | 65       | 315   | 235        | 45       | 280   | 15             | 20       | 35    |
| Gardening                  | 20                | 0.0      | 20    | 20         | 0.0      | 20    | 0              | 0        | 0     |

  
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|  |  |   |
|--|--|---|
| <b>34.Rain Water Harvesting (RWH)</b>  | <b>Level of the Ground water table:</b>                            | The details of rainwater harvesting will be incorporated in EIA report.   |
|  | <b>Size and no of RWH tank(s) and Quantity:</b>                    | The details of rainwater harvesting will be incorporated in EIA report.   |
|  | <b>Location of the RWH tank(s):</b>                                | The details of rainwater harvesting will be incorporated in EIA report.   |
|  | <b>Quantity of recharge pits:</b>                                  | The details of rainwater harvesting will be incorporated in EIA report.   |
|  | <b>Size of recharge pits :</b>                                     | The details of rainwater harvesting will be incorporated in EIA report.   |
|  | <b>Budgetary allocation (Capital cost) :</b>                       | The details of rainwater harvesting will be incorporated in EIA report.   |
|  | <b>Budgetary allocation (O &amp; M cost) :</b>                     | The details of rainwater harvesting will be incorporated in EIA report.   |
|  | <b>Details of UGT tanks if any :</b>                               | NA  |
| <b>35.Storm water drainage</b>   | <b>Natural water drainage pattern:</b>                             | The details of storm water drainage will be incorporated in EIA report.   |
|  | <b>Quantity of storm water:</b>                                    | The details of storm water drainage will be incorporated in EIA report.   |
|  | <b>Size of SWD:</b>  | The details of storm water drainage will be incorporated in EIA report.   |
| <b>Sewage and Waste water</b>  | <b>Sewage generation in KLD:</b>                                   | 20  |
|  | <b>STP technology:</b>   | There is no provision of STP at site. Under existing unit, domestic effluent is treated in septic tank followed by soak pits. After expansion, domestic effluent shall be forwarded to upgraded ETP along with trade effluent and treated effluent shall be forwarded to CETP |
|  | <b>Capacity of STP (CMD):</b>                                      | NA  |
|  | <b>Location &amp; area of the STP:</b>                             | NA  |
|  | <b>Budgetary allocation (Capital cost):</b>                        | NA  |
|  | <b>Budgetary allocation (O &amp; M cost):</b>                      | NA  |
| <b>36.Solid waste Management</b>   |  |   |
| <b>Waste generation in the Pre Construction and Construction phase:</b>  | <b>Waste generation:</b>   | NA  |
|  | <b>Disposal of the construction waste debris:</b>                  | No major construction would be done since most of infrastructure would be used from existing unit. Only few equipments & machineries as required for expansion activities will be installed.  |
| <b>Waste generation in the operation Phase:</b>  | <b>Dry waste:</b>  | Calcium Sulphate  |
|  | <b>Wet waste:</b>  | NA  |
|  | <b>Hazardous waste:</b>  | NA  |
|  | <b>Biomedical waste (If applicable):</b>                           | NA  |
|  | <b>STP Sludge (Dry sludge):</b>                                    | NA  |
|  | <b>Others if any:</b>  | NA  |
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|  |  |  |
|--|--|--|
| <b>Mode of Disposal of waste:</b>                            | <b>Dry waste:</b>  | For sale to authorized party   |
|  | <b>Wet waste:</b>  | NA   |
|  | <b>Hazardous waste:</b>                                    | NA   |
|  | <b>Biomedical waste (If applicable):</b>                   | NA   |
|  | <b>STP Sludge (Dry sludge):</b>                            | NA   |
|  | <b>Others if any:</b>                                      | NA   |
| <b>Area requirement:</b>                                     | <b>Location(s):</b>  | Plot No.: 51 - A/1, Roth Budruk, Roha MIDC, Tal.: Roha, Dist: Raigad, Maharashtra. |
|  | <b>Area for the storage of waste &amp; other material:</b> | The storage details of waste will be incorporated in EIA report.                   |
|  | <b>Area for machinery:</b>                                 | The storage details of waste will be incorporated in EIA report.                   |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>                                       | The storage details of waste will be incorporated in EIA report.                   |
|  | <b>O &amp; M cost:</b>                                     | The storage details of waste will be incorporated in EIA report.                   |


### 37. Effluent Characteristics

| Serial Number                         | Parameters | Unit   | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------------------------------|------------|--|--------------------------------|---------------------------------|-------------------------------------|
| 1                                     | COD        | mg/lit   | 3700                           | 195                             | 250                                 |
| 2                                     | BOD        | mg/lit   | 1050                           | 95                              | 100                                 |
| Amount of effluent generation (CMD):  |            | 170  |                                |                                 |                                     |
| Capacity of the ETP:                  |            | 220  |                                |                                 |                                     |
| Amount of treated effluent recycled : |            | NA   |                                |                                 |                                     |
| Amount of water send to the CETP:     |            | 160  |                                |                                 |                                     |
| Membership of CETP (if require):      |            | yes  |                                |                                 |                                     |
| Note on ETP technology to be used     |            | The entire effluent would be treated in Effluent Treatment Plant (ETP) provided at industrial site and forwarded to CETP for further treatment & disposal. The ETP shall contemplate of various unit operations and processes such as Equalization cum Holding Tank, Oil & Grease Separation Tank, Neutralization Tank, Primary Settling Tank, Sludge Sump, Bioreactor-1 & 2, Secondary Settling Tank, Chemical Oxidation Tank, Pressure Sand Filters/Activated Carbon Filter, Gravity Discharge Tank. |                                |                                 |                                     |
| Disposal of the ETP sludge            |            | ETP Sludge is Forwarded to CHWTSDF   |                                |                                 |                                     |

### 38. Hazardous Waste Details

| Serial Number | Description                             | Cat  | UOM  | Existing | Proposed | Total | Method of Disposal   |
|---------------|---|------|------|----------|----------|-------|----------------------|
| 1             | Spent Lube Oil                          | 5.1  | MT/M | 0.05     | 0.1      | 0.15  | Forwarded to CHWTSDF |
| 2             | ETP Sludge                              | 35.5 | MT/M | 8        | 450      | 458   | Forwarded to CHWTSDF |
| 3             | Boiler Soot (Spent Carbon)              | 28.3 | MT/M | 0.0      | 1.2      | 1.2   | Forwarded to CHWTSDF |
| 4             | Discarded containers / Barrels / Liners | 33.1 | MT/M | 0.0      | 0.5      | 0.5   | Forwarded to CHWTSDF |
| 5             | Waste Oil                               | 5.2  | MT/M | 0.0      | 0.1      | 0.1   | Forwarded to CHWTSDF |

### 39. Stacks emission Details

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

| Serial Number | Section & units                              | Fuel Used with Quantity | Stack No. | Height from ground level (m) | Internal diameter (m) | Temp. of Exhaust Gases |
|---------------|--|-------------------------|-----------|------------------------------|-----------------------|------------------------|
| 1             | Steam boilers (4TPH-2 Nos.)                  | FO-252 kg/hr for each   | 1         | 30.5                         | 0.75                  | 250                    |
| 2             | Thermic Fluid Boiler (15 lac kcal/hr -2 Nos) | FO-178 kg/hr for each   | 1         | 30.5                         | 0.75                  | 250                    |
| 3             | D.G.Sets (1250 KVA -2 Nos.)                  | Diesel-380 lit for each | 1         | 10 ARL                       | 0.3                   | ---                    |
| 4             | Proposed Boiler-4TPH and TFH-15 lac kcal/hr  | FO- 430 Kg /hr          | 1         | 30.5                         | 0.8                   | 250                    |

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

| Serial Number                             | Type of Fuel | Existing                    | Proposed | Total    |
|---|--------------|-----------------------------|----------|----------|
| 1   | Furnace Oil  | 430 kg/hr                   | 430kg/hr | 860kg/hr |
| 2   | Diesel       | 380 lit                     | 0.0      | 380 lit  |
| 41.Source of Fuel                         |              | Indian Oil Corporation Ltd. |          |          |
| 42.Mode of Transportation of fuel to site |              | Tankers by Road             |          |          |

| 43.Green Belt Development |  | Total RG area :                         | The green belt developed in existing premises covers an area of about 3500 Sq.M. i.e. 13% of total plot area  |
|---------------------------|--|---|---|
|                           |  | No of trees to be cut :                 | NA  |
|                           |  | Number of trees to be planted :         | 372 nos. of trees have been planted.  |
|                           |  | List of proposed native trees :         | Proposed Green Belt Area - 5241.65 Sq.M (0.52 Ha) i.e. 20% of Total plot area.The list of trees to be planted under expansion will be incorporated in EIA report. |
|                           |  | Timeline for completion of plantation : | The detail plan of green belt development and implementation will be incorporated in EIA report.  |

#### 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             | The list of trees to be planted under expansion will be incorporated in EIA report. | The list of trees to be planted under expansion will be incorporated in EIA report. | The list of trees to be planted under expansion will be incorporated in EIA report. | The list of trees to be planted under expansion will be incorporated in EIA report. |

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

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

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

#### 47.Energy

|  |  |                      |  |
|--|--|----------------------|--|
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|                           |  |                   |
|---------------------------|--|-------------------|
| <b>Power requirement:</b> | <b>Source of power supply :</b>                                      | MSEDCL            |
|                           | <b>During Construction Phase: (Demand Load)</b>                      | NA                |
|                           | <b>DG set as Power back-up during construction phase</b>             | NA                |
|                           | <b>During Operation phase (Connected load):</b>                      | 3.5 MW            |
|                           | <b>During Operation phase (Demand load):</b>                         | 3.5 MW            |
|                           | <b>Transformer:</b>  | NA                |
|                           | <b>DG set as Power back-up during operation phase:</b>               | 1250 KVA (2 Nos.) |
|                           | <b>Fuel used:</b>  | HSD               |
|                           | <b>Details of high tension line passing through the plot if any:</b> | NA                |

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

NA

#### 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 |
|---|-----------------------------------|--------------------------|
| Boiler (4 TPH - 2 Nos.) - Existing                              | Stack of 30.5 M common            | NA                       |
| Boiler (4 TPH) & Thermic Fluid Heater (15 Lac KCal/Hr. - 1 No.) | NA                                | Stack of 30.5 M (Common) |
| Thermic Fluid Heater (15 Lac KCal/Hr. - 2 Nos.)                 | Stack of 30.5 M common            | NA                       |

|  |                        |  |
|--|------------------------|--|
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>   | The Capital Cost will be incorporated in EIA report. |
|  | <b>O &amp; M cost:</b> | O&M Cost will be incorporated in EIA report.         |

#### 51. Environmental Management plan Budgetary Allocation

|  |  |                      |  |
|--|--|----------------------|--|
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| <b>a) Construction phase (with Break-up):</b>                                    |   |  |   |   |   |   |   |
|--|---|--|---|---|---|---|---|
| Serial Number  | Attributes  | Parameter  | Total Cost per annum (Rs. In Lacs)                                  |   |   |   |   |
| 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  | The Capital Cost and O&M will be incorporated in EIA report.        | The Capital Cost and O&M will be incorporated in EIA report.                                     | The Capital Cost and O&M will be incorporated in EIA report.        | The Capital Cost and O&M will be incorporated in EIA report.        |   |   |   |
| <b>51.Storage of chemicals (inflamable/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   |
| Storage of chemicals will be incorporated at the time of EIA report              | Storage of chemicals will be incorporated at the time of EIA report | Storage of chemicals will be incorporated at the time of EIA report                              | Storage of chemicals will be incorporated at the time of EIA report | Storage of chemicals will be incorporated at the time of EIA report | Storage of chemicals will be incorporated at the time of EIA report | Storage of chemicals will be incorporated at the time of EIA report | Storage of chemicals will be incorporated at the time of EIA report |
| <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:                    |   | The details of traffic management plan will be incorporated at the time of EIA report submission |   |   |   |   |   |



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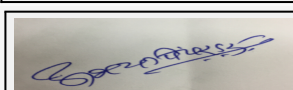
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|                         |  |  |
|-------------------------|--|--|
| <b>Parking details:</b> | <b>Number and area of basement:</b>  | The details of traffic management plan will be incorporated at the time of EIA report submission   |
|                         | <b>Number and area of podia:</b>   | The details of traffic management plan will be incorporated at the time of EIA report submission   |
|                         | <b>Total Parking area:</b>   | The details of traffic management plan will be incorporated at the time of EIA report submission   |
|                         | <b>Area per car:</b>   | The details of traffic management plan will be incorporated at the time of EIA report submission   |
|                         | <b>Area per car:</b>   | The details of traffic management plan will be incorporated at the time of EIA report submission   |
|                         | <b>Number of 2-Wheelers as approved by competent authority:</b>  | The details of traffic management plan will be incorporated at the time of EIA report submission   |
|                         | <b>Number of 4-Wheelers as approved by competent authority:</b>  | The details of traffic management plan will be incorporated at the time of EIA report submission   |
|                         | <b>Public Transport:</b>   | The details of traffic management plan will be incorporated at the time of EIA report submission   |
|                         | <b>Width of all Internal roads (m):</b>  | The details of traffic management plan will be incorporated at the time of EIA report submission   |
|                         | <b>CRZ/ RRZ clearance obtain, if any:</b>  | NA   |
|                         | <b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b> | Dhatav village of propose ESA of Western Ghat is located 1.0 km from project site.   |
|                         | <b>Category as per schedule of EIA Notification sheet</b>  | As per the provision of "EIA Notification No. S. O. 1533 (E)" dated 14.09.2006; amended on June 25, 2014; the proposed expansion project comes under Category - B. But in light of Draft notification of the Eco-sensitive Areas for Western Ghat dated on 13th March, 2014, 4th September, 2015 and 27th February, 2017, project Category changes from 'B' to 'A'.  |
|                         | <b>Court cases pending if any</b>  | No any court case is pending.  |
|                         | <b>Other Relevant Informations</b>   | DRT - Anthea Aroma Chemicals Pvt. Ltd.had submitted the proposal under violation as per MoEFCC Notification dated 14.03.2017 on MoEFCC portal on 19.08.2017. The proposal number on MoEFCC portal was IA/MH/IND2/67555/2017 which was well before deadline of 13th September 2017.But as per the directions of Hon'ble Madras High court vide order dated 13.10.2017, our proposal is forwarded to SEAC/SEIAA, Department of Environment. Now, we are once again as per direction of Department of Environment are submitting an application on MPCB portal for grant of Environment Clearance under violation. Kindly, consider the proposal as per queue of submission on MoEFCC portal. |
|                         | <b>Have you previously submitted Application online on MOEF Website.</b>                                       | Yes  |
|                         | <b>Date of online submission</b>   | 19-08-2017   |

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS



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|   |                |
|---|----------------|
| <b>Environmental Impacts of the project</b>                     | Not Applicable |
| <b>Water Budget</b>   | Not Applicable |
| <b>Waste Water Treatment</b>                                    | Not Applicable |
| <b>Drainage pattern of the project</b>                          | Not Applicable |
| <b>Ground water parameters</b>                                  | Not Applicable |
| <b>Solid Waste Management</b>                                   | Not Applicable |
| <b>Air Quality &amp; Noise Level issues</b>                     | Not Applicable |
| <b>Energy Management</b>  | Not Applicable |
| <b>Traffic circulation system and risk assessment</b>           | Not Applicable |
| <b>Landscape Plan</b>   | Not Applicable |
| <b>Disaster management system and risk assessment</b>           | Not Applicable |
| <b>Socioeconomic impact assessment</b>                          | Not Applicable |
| <b>Environmental Management Plan</b>                            | Not Applicable |
| <b>Any other issues related to environmental sustainability</b> | Not Applicable |

### Brief information of the project by SEAC

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.



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

### DECISION OF SEAC

PP requested to postpone the case.

Hence, Deferred

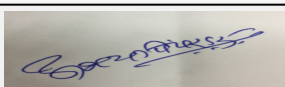
Specific Conditions by SEAC:

|  |  |                      |  |
|--|--|----------------------|--|
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## FINAL RECOMMENDATION

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

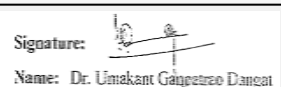
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## 154th Meeting of State Level Expert Appraisal Committee (SEAC-1)

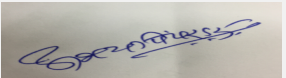
**SEAC Meeting number: 154th ,Day-4 Meeting Date August 30, 2018**

**Subject:** Environment Clearance for Environment Clearance for: Existing Formulation & API Manufacturing Plant at Plot No. A - 33, A - 37/2/2, MIDC Patalganga, Khalapur, District Raigad, Maharashtra by M/s. Cipla Limited

**Is a Violation Case:** Yes


|   |  |
|---|--|
| <b>1.Name of Project</b>  | Environmental Clearance for Existing Formulation & API Manufacturing Plant at Plot No. A - 33, A - 37/2/2, MIDC Patalganga, Khalapur, District Raigad, Maharashtra by M/s. Cipla Limited |
| <b>2.Type of institution</b>  | TOR  |
| <b>3.Name of Project Proponent</b>  | Cipla Limited  |
| <b>4.Name of Consultant</b>   | Kadam Environmental Consultants, Vadodara, Gujarat   |
| <b>5.Type of project</b>  | NA   |
| <b>6.New project/expansion in existing project/modernization/diversification in existing project</b>          | Violation Case   |
| <b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b> | NA   |
| <b>8.Location of the project</b>  | Plot No. A - 33, A - 37/2/2  |
| <b>9.Taluka</b>   | Khalapur   |
| <b>10.Village</b>   | Patalganga   |
| <b>Correspondence Name:</b>   | Mr. Sanjay Mhaske  |
| <b>Room Number:</b>   | Plot No. A - 33, A - 37/2/2  |
| <b>Floor:</b>   | NA   |
| <b>Building Name:</b>   | Cipla Limited  |
| <b>Road/Street Name:</b>  | MIDC Patalganga  |
| <b>Locality:</b>  | Khalapur   |
| <b>City:</b>  | MIDC Patalganga  |
| <b>11.Area of the project</b>   | MIDC Patalganga  |
| <b>12.IOD/IOA/Concession/Plan Approval Number</b>   | Plot allotment letter received from MIDC   |
|   | <b>IOD/IOA/Concession/Plan Approval Number:</b> NA   |
|   | <b>Approved Built-up Area:</b> 29292   |
| <b>13.Note on the initiated work (If applicable)</b>  | NA   |
| <b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>   | NA   |
| <b>15.Total Plot Area (sq. m.)</b>  | Industrial Plot Area: 29292 m <sup>2</sup>   |
| <b>16.Deductions</b>  | NA   |
| <b>17.Net Plot area</b>   | NA   |
| <b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>  | <b>a) FSI area (sq. m.):</b> NA  |
|   | <b>b) Non FSI area (sq. m.):</b> NA  |
|   | <b>c) Total BUA area (sq. m.):</b> 29292   |
| <b>18 (b).Approved Built up area as per DCR</b>   | <b>Approved FSI area (sq. m.):</b> NA  |
|   | <b>Approved Non FSI area (sq. m.):</b> NA  |
|   | <b>Date of Approval:</b> 22-12-1987  |
| <b>19.Total ground coverage (m<sup>2</sup>)</b>   | NA   |
| <b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>                           | NA   |
| <b>21.Estimated cost of the project</b>   | 1576100000   |

## 22.Number of buildings & its configuration

  
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| Serial number   | Building Name & number | Number of floors | Height of the building (Mtrs) |              |
|---|------------------------|------------------|-------------------------------|--------------|
| 1   | NA                     | NA               | NA                            |              |
| 23.Number of tenants and shops  | NA                     |                  |                               |              |
| 24.Number of expected residents / users   | NA                     |                  |                               |              |
| 25.Tenant density per hectare   | NA                     |                  |                               |              |
| 26.Height of the building(s)  |                        |                  |                               |              |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | NA                     |                  |                               |              |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | NA                     |                  |                               |              |
| 29.Existing structure (s) if any  | NA                     |                  |                               |              |
| 30.Details of the demolition with disposal (If applicable)  | NA                     |                  |                               |              |
| <b>31.Production Details</b>  |                        |                  |                               |              |
| Serial Number   | Product                | Existing (MT/M)  | Proposed (MT/M)               | Total (MT/M) |



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|   |   |    |   |    |
|---|---|----|---|----|
| 1 | <p>BULK DRUGS (Acyclovir USP/ Valaciclovir HCL, Albuterol Sulphate USP XXII, Androstenediol/ Androstenedione, Alprazolam USP/Budesodine/ Alendronate Sodium Trihydene, Amlodipine Besylate/ Azithromycine/ Atenolol/ Aluminium Nicotinate, 1e alpha Bromoepiride/ LevocetirizineDihydrochloride, Clarithromycine USP, Cyproterone Acetate/ Candocurumimumlodide, Danazol USP/ IP/ Doxazoain Peso late, Trazodone Hydrochloride/ Cetrinisaetan, Deferiprone/ dicloferric ethyl ammonium salt, Estramustine Sodium phosphate, FelodipineSalometerolXinafoat, FinastarideelFluconazol, Flusticasone Propionate, Guegulpid/ terazosin Hydrovhloride, Plurbiprofen BP/USP, Ketorolac Tromethamine/ Rafoxanide, Lansoprazole/ Lamotrigine/ Hypochloride, Mefloquime Hydrochloride/ Mirtazapine, Metoprolol Tartrate USP, Methocabamol USP, Moclobemide/ Pefloxacin/ Montelucast, Nifedione/ Fenhendazole/ Felodipine, Norfloxacin/ Enorflaxacine, Enorfloxacine hydrochloride Ciprofloxacine, Ciprofloxacine HCL Menohydrate, Ondansetron Hydro</p> | 12 | 0 | 12 |
|---|---|----|---|----|


### 32.Total Water Requirement

|             |  |    |
|-------------|--|----|
| Dry season: | Source of water                              | NA |
|             | Fresh water (CMD):                           | NA |
|             | Recycled water - Flushing (CMD):             | NA |
|             | Recycled water - Gardening (CMD):            | NA |
|             | Swimming pool make up (Cum):                 | NA |
|             | Total Water Requirement (CMD) :              | NA |
|             | Fire fighting - Underground water tank(CMD): | NA |
|             | Fire fighting - Overhead water tank(CMD):    | NA |
|             | Excess treated water                         | NA |

  
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|  |   |    |
|--|---|----|
| <b>Wet season:</b>                       | <b>Source of water</b>                              | NA |
|  | <b>Fresh water (CMD):</b>                           | NA |
|  | <b>Recycled water - Flushing (CMD):</b>             | NA |
|  | <b>Recycled water - Gardening (CMD):</b>            | NA |
|  | <b>Swimming pool make up (Cum):</b>                 | NA |
|  | <b>Total Water Requirement (CMD) :</b>              | NA |
|  | <b>Fire fighting - Underground water tank(CMD):</b> | NA |
|  | <b>Fire fighting - Overhead water tank(CMD):</b>    | NA |
|  | <b>Excess treated water</b>                         | NA |
| <b>Details of Swimming pool (If any)</b> | NA  |    |


### 33.Details of Total water consumed

| Particulars                | Consumption (CMD) |          |       | Loss (CMD) |          |       | Effluent (CMD) |          |       |
|----------------------------|-------------------|----------|-------|------------|----------|-------|----------------|----------|-------|
|                            | Existing          | Proposed | Total | Existing   | Proposed | Total | Existing       | Proposed | Total |
| Domestic                   | 90                | 0        | 90    | 30         | 0        | 30    | 60             | 0        | 60    |
| Industrial Process         | 290               | 0        | 290   | 100        | 0        | 100   | 190            | 0        | 190   |
| Cooling tower & thermopack | 130               | 0        | 130   | 120        | 0        | 120   | 10             | 0        | 10    |
| Gardening                  | 70                | 0        | 70    | 70         | 0        | 70    | 0              | 0        | 0     |
| Fresh water requirement    | 580               | 0        | 580   | 0          | 0        | 0     | 0              | 0        | 0     |


  
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|   |   |   |
|---|---|---|
| <b>34.Rain Water Harvesting (RWH)</b>                                   | <b>Level of the Ground water table:</b>           | Rain water from roof top is being used in cooling tower.                      |
|   | <b>Size and no of RWH tank(s) and Quantity:</b>   | NA  |
|   | <b>Location of the RWH tank(s):</b>               | NA  |
|   | <b>Quantity of recharge pits:</b>                 | NA  |
|   | <b>Size of recharge pits :</b>                    | NA  |
|   | <b>Budgetary allocation (Capital cost) :</b>      | NA  |
|   | <b>Budgetary allocation (O &amp; M cost) :</b>    | NA  |
|   | <b>Details of UGT tanks if any :</b>              | NA  |
| <b>35.Storm water drainage</b>  | <b>Natural water drainage pattern:</b>            | South to closed towards north and the flows out of premises towards west side |
|   | <b>Quantity of storm water:</b>                   | NA  |
|   | <b>Size of SWD:</b>                               | W: 2 ft; h: 3 ft  |
| <b>Sewage and Waste water</b>   | <b>Sewage generation in KLD:</b>                  | 60  |
|   | <b>STP technology:</b>                            | Sewage is being treated in ETP along with Industrial effluent                 |
|   | <b>Capacity of STP (CMD):</b>                     | NA  |
|   | <b>Location &amp; area of the STP:</b>            | NA  |
|   | <b>Budgetary allocation (Capital cost):</b>       | NA  |
|   | <b>Budgetary allocation (O &amp; M cost):</b>     | NA  |
| <b>36.Solid waste Management</b>  |   |   |
| <b>Waste generation in the Pre Construction and Construction phase:</b> | <b>Waste generation:</b>                          | NA  |
|   | <b>Disposal of the construction waste debris:</b> | NA  |
| <b>Waste generation in the operation Phase:</b>                         | <b>Dry waste:</b>                                 | NA  |
|   | <b>Wet waste:</b>                                 | NA  |
|   | <b>Hazardous waste:</b>                           | Details are provided in S. No. 45   |
|   | <b>Biomedical waste (If applicable):</b>          | NA  |
|   | <b>STP Sludge (Dry sludge):</b>                   | NA  |
|   | <b>Others if any:</b>                             | NA  |

  
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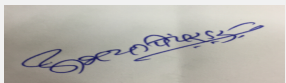
|  |  |                        |
|--|--|------------------------|
| <b>Mode of Disposal of waste:</b>                            | <b>Dry waste:</b>  | NA                     |
|  | <b>Wet waste:</b>  | NA                     |
|  | <b>Hazardous waste:</b>                                    | NA                     |
|  | <b>Biomedical waste (If applicable):</b>                   | NA                     |
|  | <b>STP Sludge (Dry sludge):</b>                            | NA                     |
|  | <b>Others if any:</b>                                      | NA                     |
| <b>Area requirement:</b>                                     | <b>Location(s):</b>  | Near Gate number 2     |
|  | <b>Area for the storage of waste &amp; other material:</b> | 24 m <sup>2</sup>      |
|  | <b>Area for machinery:</b>                                 | 5990.93 m <sup>2</sup> |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>                                       | 6 lacs                 |
|  | <b>O &amp; M cost:</b>                                     | NA                     |

### 37. Effluent Characteristics

| Serial Number                         | Parameters               | Unit   | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------------------------------|--------------------------|--|--------------------------------|---------------------------------|-------------------------------------|
| 1                                     | ph                       | --   | 8.15                           | 7.82                            | 5.5 - 9.0                           |
| 2                                     | Oil & Grease             | mg/l   | 12                             | < 0.1                           | 10                                  |
| 3                                     | BOD                      | mg/l   | 1537                           | 18                              | 100                                 |
| 4                                     | TDS                      | mg/l   | 3640                           | 422                             | 2100                                |
| 5                                     | Suspended Solid          | mg/l   | 136                            | 26                              | 100                                 |
| 6                                     | COD                      | mg/l   | 4391                           | 56                              | 250                                 |
| 7                                     | Chlorides                | mg/l   | 568.25                         | 158.09                          | 600                                 |
| 8                                     | Total Ammonical Nitrogrn | mg/l   | 9.8                            | 1.84                            | 50                                  |
| Amount of effluent generation (CMD):  |                          | 260 KLD  |                                |                                 |                                     |
| Capacity of the ETP:                  |                          | 260 KLD  |                                |                                 |                                     |
| Amount of treated effluent recycled : |                          | 60 KL  |                                |                                 |                                     |
| Amount of water send to the CETP:     |                          | 200 KLD  |                                |                                 |                                     |
| Membership of CETP (if require):      |                          | We are member of PRIA CETP (I) LTD   |                                |                                 |                                     |
| Note on ETP technology to be used     |                          | Effluent treatment comprising of Primary, Secondary & Tertiary treatment system RO , MEE |                                |                                 |                                     |
| Disposal of the ETP sludge            |                          | ETP Sludge is being sent to MWML, Taloja for disposal by landfilling                     |                                |                                 |                                     |


### 38. Hazardous Waste Details

| Serial Number | Description   | Cat       | UOM      | Existing | Proposed | Total | Method of Disposal                            |
|---------------|---|-----------|----------|----------|----------|-------|---|
| 1             | Residues and wastes                                 | 28.1      | MT/Month | 25       | 0        | 25    | For incineration at MWML                      |
| 2             | Spent catalyst/ spent carbon                        | 28.2      | MT/Month | 10       | 0        | 10    | For authorized Reprocessor/ incineration MWML |
| 3             | Date-expired, discarded and off-specification drugs | 28.4/28.5 | MT/Month | 1        | 0        | 1     | For incineration at MWML                      |

  
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|   |   |      |          |     |   |     |   |
|---|---|------|----------|-----|---|-----|---|
| 4 | Spent mother liquor<br>Spent organic solvents           | 28.6 | MT/Month | 129 | 0 | 129 | For incineration at<br>MWML, Sale to<br>authorized<br>Reprocessor |
| 5 | Chemical sludge, oil<br>and grease skimming<br>residues | 35.4 | MT/Month | 24  | 0 | 24  | Landfill at MWML  |
| 6 | Used/ spent oil   | 5.1  | MT/Month | 4   | 0 | 4   | Sale to Authorized<br>Reprocessor                                 |

### 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 1 (2 T/hr)           | FO/LDO -1350 Lit/day    | 1         | 35                           | 1.1                   | 150°C                  |
| 2             | Boiler 2 (2 T/hr) - Standby | FO/LDO -1350 Lit/day    | 1         | 35                           | 1.1                   | 150°C                  |
| 3             | DG Set (625 KVA)            | HSD -122 Lit/hr         | 1         | 5                            | 0.3                   | 150°C                  |
| 4             | DG Set (1010 KVA)           | HSD -180 Lit/hr         | 1         | 6.3                          | 0.3                   | 150°C                  |
| 5             | DG Set (1510 KVA)           | HSD -231 Lit/hr         | 1         | 7.7                          | 0.3                   | 150°C                  |

### 40.Details of Fuel to be used

| Serial Number                             | Type of Fuel       | Existing     | Proposed | Total        |
|---|--------------------|--------------|----------|--------------|
| 1   | FO/HSD for Boilers | 2700 Lit/Day | 0        | 2700 Lit/Day |
| 2   | HSD for DG Sets    | 533 Lit/hr   | 0        | 533 Lit/hr   |
| 41.Source of Fuel                         |                    | Local Market |          |              |
| 42.Mode of Transportation of fuel to site |                    | Tanker       |          |              |

|                                  |  |                               |
|----------------------------------|--|-------------------------------|
| <b>43.Green Belt Development</b> | <b>Total RG area :</b>                         | Existing: 4785 m <sup>2</sup> |
|                                  | <b>No of trees to be cut :</b>                 | NA                            |
|                                  | <b>Number of trees to be planted :</b>         | NA                            |
|                                  | <b>List of proposed native trees :</b>         | NA                            |
|                                  | <b>Timeline for completion of plantation :</b> | NA                            |

### 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             | NA                | NA          | NA       | NA                                      |

### 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             | NA   | NA           | NA                  |

### 47.Energy

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

|                           |  |   |
|---------------------------|--|---|
| <b>Power requirement:</b> | <b>Source of power supply :</b>                                      | Maharashtra State Electricity Distribution Company Limited (MSEDCL) |
|                           | <b>During Construction Phase: (Demand Load)</b>                      | NA  |
|                           | <b>DG set as Power back-up during construction phase</b>             | NA  |
|                           | <b>During Operation phase (Connected load):</b>                      | 6152 kw   |
|                           | <b>During Operation phase (Demand load):</b>                         | 2255 kva  |
|                           | <b>Transformer:</b>  | 1000 kva ,1000 kva and 1250 kva                                     |
|                           | <b>DG set as Power back-up during operation phase:</b>               | DG Sets of 3 nos.:625 kVA, 1010 kVA & 1510 kVA                      |
|                           | <b>Fuel used:</b>  | HSD   |
|                           | <b>Details of high tension line passing through the plot if any:</b> | NA  |

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

NA

#### 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         | Adequate stack heights to stack to boilers and DG sets are provided and scrubbers to process vents are provided | NA                       |
| Water       | Effluent Treatment Plant  | NA                       |
| Noise       | PPE, Acaustic Enclosure   | NA                       |
| Solid Waste | Haz. Waste is being disposed to CHWTSDF   | NA                       |

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


### 51. Environmental Management plan Budgetary Allocation

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

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|------------|-----------|------------------------------------|
| 1             | NA         | NA        | NA                                 |


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

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|-----------|-------------|--------------------------|---|
|---------------|-----------|-------------|--------------------------|---|

  
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|   |                                       |                                      |      |       |
|---|---------------------------------------|--------------------------------------|------|-------|
| 1 | Air Pollution Control                 | Scrubbers & Dust Collector           | 88.8 | 163.2 |
| 2 | Water Pollution Control               | ETP, RO ,MEE                         | 644  | 120   |
| 3 | Noise Pollution Control               | Acoustic Enclosure to Blower and DG  | 10   | 1.5   |
| 4 | Environment Monitoring and Management | Monitoring through MoEF approved Lab | Nil  | 4.2   |
| 5 | Green Belt                            | Maintenance of Green belt.           | 15   | 17    |
| 6 | Solid Waste Management                | Handling and disposal at CHWTSDF     | 5    | 75    |

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


| Description     | Status              | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|-----------------|---------------------|----------|------------------------|--|---------------------------|------------------|-------------------------|
| Solvent Yard I  | Underground storage | NA       | 105.00 KL              | NA   | NA                        | NA               | NA                      |
| Solvent Yard II | Underground storage | NA       | 72.00 KL               | NA   | NA                        | NA               | NA                      |
| D.P Store       | NA                  | NA       | 50 KL                  | NA   | NA                        | NA               | NA                      |

### 52.Any Other Information

No Information Available

### 53.Traffic Management

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

  
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|                  |   |            |
|------------------|---|------------|
| Parking details: | Number and area of basement:  | NA         |
|                  | Number and area of podia:   | NA         |
|                  | Total Parking area:   | NA         |
|                  | 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):  | NA         |
|                  | CRZ/ RRZ clearance obtain, if any:  | NA         |
|                  | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | NA         |
|                  | Category as per schedule of EIA Notification sheet  | 5(f) B     |
|                  | Court cases pending if any  | No         |
|                  | Other Relevant Informations   | NIL        |
|                  | Have you previously submitted Application online on MOEF Website.                                       | Yes        |
|                  | Date of online submission   | 09-09-2017 |

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

|                                      |                |
|--------------------------------------|----------------|
| Environmental Impacts of the project | Not Applicable |
| Water Budget                         | Not Applicable |
| Waste Water Treatment                | Not Applicable |
| Drainage pattern of the project      | Not Applicable |
| Ground water parameters              | Not Applicable |
| Solid Waste Management               | Not Applicable |



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|   |                |
|---|----------------|
| <b>Air Quality &amp; Noise Level issues</b>                     | Not Applicable |
| <b>Energy Management</b>  | Not Applicable |
| <b>Traffic circulation system and risk assessment</b>           | Not Applicable |
| <b>Landscape Plan</b>   | Not Applicable |
| <b>Disaster management system and risk assessment</b>           | Not Applicable |
| <b>Socioeconomic impact assessment</b>                          | Not Applicable |
| <b>Environmental Management Plan</b>                            | Not Applicable |
| <b>Any other issues related to environmental sustainability</b> | Not Applicable |

**Brief information of the project by SEAC**

PP submitted application under violation category as per Notification issued by MoEF&CC dated 08.03.2018.

PP presented the proposal for ToR as per standard ToR issued by MoEF&CC in April 2015 and Notification issued on 08.03.2018.

**DECISION OF SEAC**

SEAC-AGENDA-0900000116

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 subject to the applicability of general conditions with respect to the distance of the proposed site from Karnala Hill Bird Sanctuary. Public Consultation to be carried out as per procedure stipulated in the EIA Notification,2006.

PP to refer to the Office Memorandum issued by MoEF&CC dated 19.08.2018 with respect to the standard conditions to be stipulated in the Environment Clearance letter for the Pharmaceutical industry to identify the impact of operations on the environment attributes and implement appropriate mitigation measures to reduce the impact.


PP to identify all such activities on site which have impacted on the various verticles of the environment like Water, Air, Soil and Noise etc and compare it with the standard parameters to assess the damage as referred in the Notidfication dated 08.03.2018.

#### Specific Conditions by SEAC:

- 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 internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions ), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
- 3) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc.
- 4) PP to submit project site details (location, top sheet of the study area of 10 km., coordinates, Google map, layout map, land use, geological features and geo hydrological status of the study area, drainage pattern etc.)
- 5) PP to submit details of Forest and Wild Life ecosensitive zones if nay in the study area and within the range of 5 km.
- 6) Land use of the study area delineating forest area, agricultural land, grazing land, wild life sanctuary, national parks, migratory routes of fauna, water bodies, human settlement and other ecological features to be indicated in the report.
- 7) PP to submit details of likely impact of the proposed project and work carried out without obtaining prior Environment Clearance on the environmental parameters (ambient air, surface and ground water, land, flora and fauna, ambient noise, climate change and socio economic etc.)
- 8) PP to assess ecological damage with respect to the air, water, land and other environmental attributes. The collection and analysis of data shall be done by an Environmental Laboratory accredited by NABL or a laboratory of a council of Scientific and Industrial Research (CSIR) Institution working in the field of Environment.
- 9) PP to prepare an EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- 10) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.
- 11) 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.
- 12) PP to carry out HAZOP and QRA and submit Disaster Management Plan.
- 13) PP to provide new and renewable energy sources for the illumination of the office building and street lights.


### FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

  
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## 154th Meeting of State Level Expert Appraisal Committee (SEAC-1)

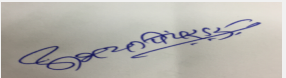
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**Subject:** Environment Clearance for Environment Clearance for: Existing Formulation & API Manufacturing Plant at Plot No. A - 42, MIDC Patalganga, Khalapur, District Raigad, Maharashtra by M/s. Cipla Limited

**Is a Violation Case:** Yes


|   |  |
|---|--|
| <b>1.Name of Project</b>  | Environmental Clearance for Existing Formulation & API Manufacturing Plant at Plot No. A - 42, MIDC Patalganga, Khalapur, District Raigad, Maharashtra by M/s. Cipla Limited |
| <b>2.Type of institution</b>  | TOR  |
| <b>3.Name of Project Proponent</b>  | Cipla Limited  |
| <b>4.Name of Consultant</b>   | Kadam Environmental Consultants, Vadodara, Gujarat   |
| <b>5.Type of project</b>  | NA   |
| <b>6.New project/expansion in existing project/modernization/diversification in existing project</b>          | Violation Case   |
| <b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b> | No   |
| <b>8.Location of the project</b>  | Plot No. A - 42, MIDC Patalganga   |
| <b>9.Taluka</b>   | Khalapur   |
| <b>10.Village</b>   | Patalganga   |
| <b>Correspondence Name:</b>   | Mr. Sanjay Mhaske  |
| <b>Room Number:</b>   | Plot No. A - 42, MIDC Patalganga   |
| <b>Floor:</b>   | NA   |
| <b>Building Name:</b>   | Cipla Limited  |
| <b>Road/Street Name:</b>  | MIDC Patalganga  |
| <b>Locality:</b>  | Khalapur   |
| <b>City:</b>  | MIDC Patalganga  |
| <b>11.Area of the project</b>   | MIDC Patalganga  |
| <b>12.IOD/IOA/Concession/Plan Approval Number</b>   | Plot allotment letter received from MIDC   |
|   | <b>IOD/IOA/Concession/Plan Approval Number:</b> NA   |
|   | <b>Approved Built-up Area:</b> 34505   |
| <b>13.Note on the initiated work (If applicable)</b>  | NA   |
| <b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>   | NA   |
| <b>15.Total Plot Area (sq. m.)</b>  | Industrial Plot Area: 34505 m <sup>2</sup>   |
| <b>16.Deductions</b>  | NA   |
| <b>17.Net Plot area</b>   | NA   |
| <b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>  | <b>a) FSI area (sq. m.):</b> NA  |
|   | <b>b) Non FSI area (sq. m.):</b> NA  |
|   | <b>c) Total BUA area (sq. m.):</b> 34505   |
| <b>18 (b).Approved Built up area as per DCR</b>   | <b>Approved FSI area (sq. m.):</b> NA  |
|   | <b>Approved Non FSI area (sq. m.):</b> NA  |
|   | <b>Date of Approval:</b> 28-03-2001  |
| <b>19.Total ground coverage (m<sup>2</sup>)</b>   | NA   |
| <b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>                           | NA   |
| <b>21.Estimated cost of the project</b>   | 2807300000   |

## 22.Number of buildings & its configuration

  
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| Serial number   | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---|------------------------|------------------|-------------------------------|
| 1   | NA                     | NA               | NA                            |
| 2   | NA                     | NA               | NA                            |
| 23.Number of tenants and shops  | NA                     |                  |                               |
| 24.Number of expected residents / users   | NA                     |                  |                               |
| 25.Tenant density per hectare   | NA                     |                  |                               |
| 26.Height of the building(s)  |                        |                  |                               |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | NA                     |                  |                               |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | NA                     |                  |                               |
| 29.Existing structure (s) if any  | NA                     |                  |                               |
| 30.Details of the demolition with disposal (If applicable)  | NA                     |                  |                               |

### 31.Production Details

| Serial Number | Product  | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|--|-----------------|-----------------|--------------|
| 1             | "API Products (200 TPA) Alfozosin Hydrochloride, Placitaxel, Ropinirole HCL/Irinotecan Hydrochloride Trihydrate, Desloratidine/Rapaglinide/Lecarnadipine, Azelastin / Proparacaine HCL, Miscellaneous Formulation, Telmisartan / Irbesartan, Guggelsterone / Gatifloxacin, Stavudine / Zidovudine, Glatiramer Acetate / Exemestane, Brimonidine, Moxifloxacin, Dorzolamide Hydrochloride, Efavirenz, Imiquimod, Valsartan / Abcavir, Dutasteride, Finasteride, Cetirizine Dihydrochloride, Tolteredine, Roxithromycin, Ranitidine Hydrochloride, Mirtazapine, Doxazosine Mesylate, Levo Salbutamol Sulphate, Perindropil Ebumine / Deferisivox, Ciprofloxacin HCL monohydrate, Brimonidine Tartarate, Levocetirizine/Ranolazine / Ranolizine Dihydrochloride+B10, Salmeterol Xinafoate, Ondansetron Hydrochloride Dihydrate, Valacyclovir Hydrochloride, Torsemide, Pregablin / Repiglinde, Dutasteride / Miratazapine / Rizatriptan Benzoate, Simvastatin, Tamsulosin Hydrochloride, Danazol, Terbutaline Sulphate, Valgancyclovir / Varricon | 16.66           | 0               | 16.66        |



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## 32.Total Water Requirement

|                                   |  |    |
|-----------------------------------|--|----|
| <b>Dry season:</b>                | Source of water                              | NA |
|                                   | Fresh water (CMD):                           | NA |
|                                   | Recycled water - Flushing (CMD):             | NA |
|                                   | Recycled water - Gardening (CMD):            | NA |
|                                   | Swimming pool make up (Cum):                 | NA |
|                                   | Total Water Requirement (CMD) :              | NA |
|                                   | Fire fighting - Underground water tank(CMD): | NA |
|                                   | Fire fighting - Overhead water tank(CMD):    | NA |
|                                   | Excess treated water                         | NA |
| <b>Wet season:</b>                | Source of water                              | NA |
|                                   | Fresh water (CMD):                           | NA |
|                                   | Recycled water - Flushing (CMD):             | NA |
|                                   | Recycled water - Gardening (CMD):            | NA |
|                                   | Swimming pool make up (Cum):                 | NA |
|                                   | Total Water Requirement (CMD) :              | NA |
|                                   | Fire fighting - Underground water tank(CMD): | NA |
|                                   | Fire fighting - Overhead water tank(CMD):    | NA |
|                                   | Excess treated water                         | NA |
| Details of Swimming pool (If any) | NA   |    |

## 33.Details of Total water consumed

| Particulars                | Consumption (CMD) |          |       | Loss (CMD) |          |       | Effluent (CMD) |          |       |
|----------------------------|-------------------|----------|-------|------------|----------|-------|----------------|----------|-------|
|                            | Existing          | Proposed | Total | Existing   | Proposed | Total | Existing       | Proposed | Total |
| Domestic                   | 30                | 0        | 30    | 10         | 0        | 10    | 20             | 0        | 20    |
| Industrial Process         | 150               | 0        | 150   | 25         | 0        | 25    | 125            | 0        | 125   |
| Cooling tower & thermopack | 240               | 0        | 240   | 225        | 0        | 225   | 15             | 0        | 15    |

  
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|           |    |   |    |    |   |    |   |   |   |
|-----------|----|---|----|----|---|----|---|---|---|
| Gardening | 30 | 0 | 30 | 30 | 0 | 30 | 0 | 0 | 0 |
|-----------|----|---|----|----|---|----|---|---|---|


|                                       |   |        |
|---------------------------------------|---|--------|
| <b>34.Rain Water Harvesting (RWH)</b> | <b>Level of the Ground water table:</b>         | No RWH |
|                                       | <b>Size and no of RWH tank(s) and Quantity:</b> | NA     |
|                                       | <b>Location of the RWH tank(s):</b>             | NA     |
|                                       | <b>Quantity of recharge pits:</b>               | NA     |
|                                       | <b>Size of recharge pits :</b>                  | NA     |
|                                       | <b>Budgetary allocation (Capital cost) :</b>    | NA     |
|                                       | <b>Budgetary allocation (O &amp; M cost) :</b>  | NA     |
|                                       | <b>Details of UGT tanks if any :</b>            | NA     |

|                                |  |  |
|--------------------------------|--|--|
| <b>35.Storm water drainage</b> | <b>Natural water drainage pattern:</b> | South to North and north to east, West to east |
|                                | <b>Quantity of storm water:</b>        | NA   |
|                                | <b>Size of SWD:</b>                    | W: 2 ft; h: 3 ft                               |

|                               |   |                                  |
|-------------------------------|---|----------------------------------|
| <b>Sewage and Waste water</b> | <b>Sewage generation in KLD:</b>              | 20                               |
|                               | <b>STP technology:</b>                        | Sewage is being sent to soak pit |
|                               | <b>Capacity of STP (CMD):</b>                 | NA                               |
|                               | <b>Location &amp; area of the STP:</b>        | NA                               |
|                               | <b>Budgetary allocation (Capital cost):</b>   | NA                               |
|                               | <b>Budgetary allocation (O &amp; M cost):</b> | NA                               |


### 36.Solid waste Management

|   |   |                                   |
|---|---|-----------------------------------|
| <b>Waste generation in the Pre Construction and Construction phase:</b> | <b>Waste generation:</b>                          | NA                                |
|   | <b>Disposal of the construction waste debris:</b> | NA                                |
| <b>Waste generation in the operation Phase:</b>                         | <b>Dry waste:</b>                                 | NA                                |
|   | <b>Wet waste:</b>                                 | NA                                |
|   | <b>Hazardous waste:</b>                           | Details are provided in S. No. 45 |
|   | <b>Biomedical waste (If applicable):</b>          | NA                                |
|   | <b>STP Sludge (Dry sludge):</b>                   | NA                                |
|   | <b>Others if any:</b>                             | NA                                |

  
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|  |  |   |
|--|--|---|
| <b>Mode of Disposal of waste:</b>                            | <b>Dry waste:</b>  | NA  |
|  | <b>Wet waste:</b>  | NA  |
|  | <b>Hazardous waste:</b>                                    | Disposal of Hazardous Waste as per MPCB / CPCB norms. (details are provided Point No. 45 below) |
|  | <b>Biomedical waste (If applicable):</b>                   | NA  |
|  | <b>STP Sludge (Dry sludge):</b>                            | NA  |
|  | <b>Others if any:</b>                                      | NA  |
| <b>Area requirement:</b>                                     | <b>Location(s):</b>  | Near ETP  |
|  | <b>Area for the storage of waste &amp; other material:</b> | 24 m <sup>2</sup>   |
|  | <b>Area for machinery:</b>                                 | 4579.08 m <sup>2</sup>  |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>                                       | NA  |
|  | <b>O &amp; M cost:</b>                                     | NA  |

### 37. Effluent Characteristics

| Serial Number                         | Parameters      | Unit  | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------------------------------|-----------------|---|--------------------------------|---------------------------------|-------------------------------------|
| 1                                     | pH              | -   | 8.35                           | 7.84                            | 5.5 - 9.0                           |
| 2                                     | Oil & Grease    | mg/l  | 14                             | < 0.1                           | 10                                  |
| 3                                     | BOD             | mg/l  | 638                            | 13                              | 100                                 |
| 4                                     | TDS             | mg/l  | 1910                           | 38                              | 2100                                |
| 5                                     | Suspended Solid | mg/l  | 198                            | 29                              | 100                                 |
| 6                                     | COD             | mg/l  | 1996                           | 40                              | 250                                 |
| Amount of effluent generation (CMD):  |                 | 160   |                                |                                 |                                     |
| Capacity of the ETP:                  |                 | 160   |                                |                                 |                                     |
| Amount of treated effluent recycled : |                 | 50  |                                |                                 |                                     |
| Amount of water send to the CETP:     |                 | 110   |                                |                                 |                                     |
| Membership of CETP (if require):      |                 | We are member of PRIA CETP (I) LTD  |                                |                                 |                                     |
| Note on ETP technology to be used     |                 | Effluent treatment comprising of Primary, Secondary & Tertiary treatment system, RO , MEE |                                |                                 |                                     |
| Disposal of the ETP sludge            |                 | ETP Sludge is being sent to MWML, Taloja for disposal by landfilling                      |                                |                                 |                                     |

### 38. Hazardous Waste Details

| Serial Number | Description   | Cat       | UOM      | Existing | Proposed | Total | Method of Disposal  |
|---------------|---|-----------|----------|----------|----------|-------|---|
| 1             | Used /Spent oil                                     | 5.1       | MT/Month | 4        | 0        | 4     | Sale to authorized party user/ Preprocessor or shall be sent to CHWTSDF |
| 2             | Residues and wastes                                 | 28.1      | MT/Month | 6        | 0        | 6     | CHWTSDF   |
| 3             | Spent catalyst/ spent carbon                        | 28.2/28.3 | MT/Month | 6        | 0        | 6     | CHWTSDF   |
| 4             | Date-expired, discarded and off-specification drugs | 28.4/28.5 | MT/Month | 1        | 0        | 1     | CHWTSDF   |

  
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|   |   |      |          |    |   |    |   |
|---|---|------|----------|----|---|----|---|
| 5 | Spent mother liquor                               | 28.4 | MT/Month | 59 | 0 | 59 | Reuse/ Recovered in your Plant/ CHWTSDf |
| 6 | Spent organic solvents                            | 28.6 | MT/Month | 70 | 0 | 70 | Reuse/ Recovered in your Plant/ CHWTSDf |
| 7 | Chemical sludge, oil and grease skimming residues | 35.4 | MT/Month | 24 | 0 | 24 | CHWTSDf                                 |

### 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 1 (3.5 T/hr)           | FO -130 Lit/day         | 1         | 32                           | 1.1                   | 150°C                  |
| 2             | Boiler 2 (3.5 T/hr) - Standby | FO -130 Lit/day         | 1         | 32                           | 1.1                   | 150°C                  |
| 3             | DG Set (1000 KVA)             | HSD -250 Lit/hr         | 1         | 6.32                         | 0.3                   | 150°C                  |
| 4             | DG Set (1500 KVA)             | HSD -350 Lit/hr         | 1         | 7.75                         | 0.3                   | 150°C                  |
| 5             | DG Set (1500 KVA)             | HSD -350 Lit/hr         | 1         | 7.75                         | 0.3                   | 150°C                  |

### 40.Details of Fuel to be used

| Serial Number | Type of Fuel    | Existing    | Proposed | Total       |
|---------------|-----------------|-------------|----------|-------------|
| 1             | FO for Boilers  | 260 Lit/Day | 0        | 260 Lit/Day |
| 2             | HSD for DG Sets | 950 Lit/hr  | 0        | 950 Lit/hr  |

41.Source of Fuel

Local Market

42.Mode of Transportation of fuel to site

Tanker

### 43.Green Belt Development

|  |                                  |
|--|----------------------------------|
| <b>Total RG area :</b>                         | Existing: 7947.27 m <sup>2</sup> |
| <b>No of trees to be cut :</b>                 | NA                               |
| <b>Number of trees to be planted :</b>         | NA                               |
| <b>List of proposed native trees :</b>         | NA                               |
| <b>Timeline for completion of plantation :</b> | NA                               |

### 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             | NA                | NA          | NA       | NA                                      |

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             | NA   | NA           | NA                  |

### 47.Energy

  
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|                           |  |   |
|---------------------------|--|---|
| <b>Power requirement:</b> | <b>Source of power supply :</b>                                      | Maharashtra State Electricity Distribution Company Limited (MSEDCL) |
|                           | <b>During Construction Phase: (Demand Load)</b>                      | NA  |
|                           | <b>DG set as Power back-up during construction phase</b>             | NA  |
|                           | <b>During Operation phase (Connected load):</b>                      | 3700 KVA  |
|                           | <b>During Operation phase (Demand load):</b>                         | 2934 KVA  |
|                           | <b>Transformer:</b>  | 2 Nos each of 2500 KVA  |
|                           | <b>DG set as Power back-up during operation phase:</b>               | DG Sets of 3 nos.:1010 kVA, 1500 kVA &1500 kVA                      |
|                           | <b>Fuel used:</b>  | HSD   |
|                           | <b>Details of high tension line passing through the plot if any:</b> | NA  |

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

Solar Energy - 5.24 Lakhs units Generated Till date through solar

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

| Serial Number | Energy Conservation Measures | Saving %  |
|---------------|------------------------------|---|
| 1             | SOLAR ENERGY                 | Total 4.64 LKWH is saved in FY 17-18 for PTG-SITE |

#### 50. Details of pollution control Systems

| Source      | Existing pollution control system  | Proposed to be installed |
|-------------|--|--------------------------|
| Air         | Adequate stck heights to stack to boilers and DG sets are provided and scrubbers to process vents are provided | NA                       |
| Water       | Effluent Treatment Plant   | NA                       |
| Noise       | PPE, Acaustic Enclosure  | NA                       |
| Solid Waste | Haz. Waste is being disposed to CHWTSDF  | NA                       |

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


### 51. Environmental Management plan Budgetary Allocation

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

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|------------|-----------|------------------------------------|
| 1             | NA         | NA        | NA                                 |

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

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|-----------|-------------|--------------------------|---|
|---------------|-----------|-------------|--------------------------|---|

  
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|   |                                       |                                      |       |      |
|---|---------------------------------------|--------------------------------------|-------|------|
| 1 | Air Pollution Control                 | Scrubbers & Dust Collector           | 51.72 | 1.75 |
| 2 | Water Pollution Control               | ETP, RO ,MEE                         | 445   | 136  |
| 3 | Noise Pollution Control               | Acoustic Enclosure to Blower and DG  | 20    | 2    |
| 4 | Environment Monitoring and Management | Monitoring through MoEF approved Lab | NIL   | 4.5  |
| 5 | Green Belt                            | Maintenance of Green belt.           | 15    | 17   |
| 6 | Solid Waste Management                | Handling and disposal at CHWTSDF     | 9.5   | 38   |

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

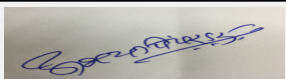
| Description                            | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|--|--------|----------|------------------------|--|---------------------------|------------------|-------------------------|
| API STORES UNIT-II                     | NA     | NA       | 36                     | NA   | NA                        | NA               | NA                      |
| UNDER GROUND/OVER HEAD TANK(SOLVENTS). | NA     | NA       | 210                    | NA   | NA                        | NA               | NA                      |
| CORROSIVE MATERIAL SHED                | NA     | NA       | 4                      | NA   | NA                        | NA               | NA                      |
| DP STORES                              | NA     | NA       | 17                     | NA   | NA                        | NA               | NA                      |
| NON-CLASSIFIED STORES                  | NA     | NA       | 7                      | NA   | NA                        | NA               | NA                      |

### 52.Any Other Information

No Information Available

### 53.Traffic Management

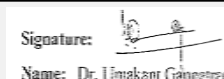
|   |    |
|---|----|
| Nos. of the junction to the main road & design of confluence: | NA |
|---|----|



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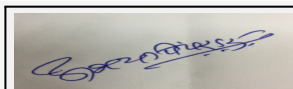


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|                  |   |            |
|------------------|---|------------|
| Parking details: | Number and area of basement:  | NA         |
|                  | Number and area of podia:   | NA         |
|                  | Total Parking area:   | NA         |
|                  | 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):  | NA         |
|                  | CRZ/ RRZ clearance obtain, if any:  | NA         |
|                  | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | NA         |
|                  | Category as per schedule of EIA Notification sheet  | 5(f) B     |
|                  | Court cases pending if any  | NO         |
|                  | Other Relevant Informations   | NA         |
|                  | Have you previously submitted Application online on MOEF Website.                                       | Yes        |
|                  | Date of online submission   | 09-09-2017 |

### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

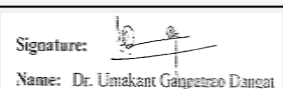
|                                      |                |
|--------------------------------------|----------------|
| Environmental Impacts of the project | Not Applicable |
| Water Budget                         | Not Applicable |
| Waste Water Treatment                | Not Applicable |
| Drainage pattern of the project      | Not Applicable |
| Ground water parameters              | Not Applicable |
| Solid Waste Management               | Not Applicable |



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|   |                |
|---|----------------|
| <b>Air Quality &amp; Noise Level issues</b>                     | Not Applicable |
| <b>Energy Management</b>  | Not Applicable |
| <b>Traffic circulation system and risk assessment</b>           | Not Applicable |
| <b>Landscape Plan</b>   | Not Applicable |
| <b>Disaster management system and risk assessment</b>           | Not Applicable |
| <b>Socioeconomic impact assessment</b>                          | Not Applicable |
| <b>Environmental Management Plan</b>                            | Not Applicable |
| <b>Any other issues related to environmental sustainability</b> | Not Applicable |


**Brief information of the project by SEAC**

PP submitted application under violation category as per Notification issued by MoEF&CC dated 08.03.2018.

PP presented the proposal for ToR as per standard ToR issued by MoEF&CC in April 2015 and Notification issued on 08.03.2018.

**DECISION OF SEAC**


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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 subject to the applicability of general conditions with respect to the distance of the proposed site from Karnala Hill Bird Sanctuary. Public Consultation to be carried out as per procedure stipulated in the EIA Notification,2006.

PP to refer to the Office Memorandum issued by MoEF&CC dated 19.08.2018 with respect to the standard conditions to be stipulated in the Environment Clearance letter for the Pharmaceutical industry to identify the impact of operations on the environment attributes and implement appropriate mitigation measures to reduce the impact.

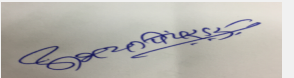
PP to identify all such activities on site which have impacted on the various verticles of the environment like Water, Air, Soil and Noise etc and compare it with the standard parameters to assess the damage as referred in the Notification dated 08.03.2018

#### Specific Conditions by SEAC:

- 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 internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions ), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
- 3) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc
- 4) PP to submit project site details (location, top sheet of the study area of 10 km., coordinates, Google map, layout map, land use, geological features and geo hydrological status of the study area, drainage pattern etc.)
- 5) PP to submit details of Forest and Wild Life ecosensitive zones if any in the study area and within the range of 5 km
- 6) Land use of the study area delineating forest area, agricultural land, grazing land, wild life sanctuary, national parks, migratory routes of fauna, water bodies, human settlement and other ecological features to be indicated in the report.
- 7) PP to submit details of likely impact of the proposed project and work carried out without obtaining prior Environment Clearance on the environmental parameters (ambient air, surface and ground water, land, flora and fauna, ambient noise, climate change and socio economic etc.)
- 8) PP to assess ecological damage with respect to the air, water, land and other environmental attributes. The collection and analysis of data shall be done by an Environmental Laboratory accredited by NABL or a laboratory of a council of Scientific and Industrial Research (CSIR) Institution working in the field of Environment.
- 9) PP to prepare an EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- 10) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.
- 11) 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.
- 12) PP to carry out HAZOP and QRA and submit Disaster Management Plan.
- 13) PP to provide new and renewable energy sources for the illumination of the office building and street lights


### FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

  
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## 154th Meeting of State Level Expert Appraisal Committee (SEAC-1)

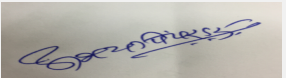
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**Subject:** Environment Clearance for Environment Clearance for: Existing Existing API Manufacturing Plant and R&D at Plot No. A - 2, MIDC Patalganga, Khalapur, District Raigad, Maharashtra by M/s. Cipla Limited

**Is a Violation Case:** Yes


|  |  |
|--|--|
| 1.Name of Project  | Environmental Clearance for Existing Existing API Manufacturing Plant and R&D at Plot No. A - 2, MIDC Patalganga, Khalapur, District Raigad, Maharashtra by M/s. Cipla Limited |
| 2.Type of institution  | TOR  |
| 3.Name of Project Proponent  | Cipla Limited  |
| 4.Name of Consultant   | Kadam Environmental Consultants, Vadodara, Gujarat   |
| 5.Type of project  | NA   |
| 6.New project/expansion in existing project/modernization/diversification in existing project          | Violation Case   |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | NO   |
| 8.Location of the project  | Plot No. A - 2, MIDC Patalganga  |
| 9.Taluka   | Khalapur   |
| 10.Village   | Patalganga   |
| Correspondence Name:   | Mr. Sanjay Mhaske  |
| Room Number:   | Plot No. A - 2, MIDC Patalganga  |
| Floor:   | NA   |
| Building Name:   | Cipla Limited  |
| Road/Street Name:  | MIDC Patalganga  |
| Locality:  | Khalapur   |
| City:  | MIDC Patalganga  |
| 11.Area of the project   | MIDC Patalganga  |
| 12.IOD/IOA/Concession/Plan Approval Number   | Plot allotment letter received from MIDC<br>IOD/IOA/Concession/Plan Approval Number: NA<br>Approved Built-up Area: 48502   |
| 13.Note on the initiated work (If applicable)  | NA   |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)   | NA   |
| 15.Total Plot Area (sq. m.)  | Industrial Plot Area: 48502 m2   |
| 16.Deductions  | NA   |
| 17.Net Plot area   | NA   |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI)  | a) FSI area (sq. m.): NA<br>b) Non FSI area (sq. m.): NA<br>c) Total BUA area (sq. m.): 48502  |
| 18 (b).Approved Built up area as per DCR   | Approved FSI area (sq. m.): NA<br>Approved Non FSI area (sq. m.): NA<br>Date of Approval: 22-03-1993   |
| 19.Total ground coverage (m2)  | NA   |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)                           | NA   |
| 21.Estimated cost of the project   | 2212700000   |

## 22.Number of buildings & its configuration


  
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| Serial number   | Building Name & number | Number of floors | Height of the building (Mtrs) |              |
|---|------------------------|------------------|-------------------------------|--------------|
| 1   | NA                     | NA               | NA                            |              |
| 23.Number of tenants and shops  | NA                     |                  |                               |              |
| 24.Number of expected residents / users   | NA                     |                  |                               |              |
| 25.Tenant density per hectare   | NA                     |                  |                               |              |
| 26.Height of the building(s)  |                        |                  |                               |              |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s))                                 | NA                     |                  |                               |              |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | NA                     |                  |                               |              |
| 29.Existing structure (s) if any  | NA                     |                  |                               |              |
| 30.Details of the demolition with disposal (If applicable)  | NA                     |                  |                               |              |
| <b>31.Production Details</b>  |                        |                  |                               |              |
| Serial Number   | Product                | Existing (MT/M)  | Proposed (MT/M)               | Total (MT/M) |

  
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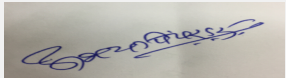
|   |   |      |   |      |
|---|---|------|---|------|
| 1 | <p>"Antihistaminie/ Anti-Inflammatory Drugs- (17 TPA) Loraketone/ Loratidine and its derivatives<br/>Desloratadine and its derivatives of Fexofenadine Hydrochloride and its derivatives OR Promethazine Hydrochloride and its derivatives OR Celecoxib and its derivatives OR Etoricoxib and its derivatives OR Meloxicam and its derivatives OR Rofecoxib and its derivatives OR Piroxicam or Leflunomide and its derivatives OR Tramadole Hydrochloride and its derivatives OR Valdecoxib and its derivatives OR Parecoxib Sodium and its Derivatives OR Divalprex Sodium and its derivatives OR Reloxifene Hydrochloride and its derivatives OR Mometosone Furate and its derivatives OR Lumefantrine &amp; its derivatives. C16"</p> | 1.41 | 0 | 1.41 |
|---|---|------|---|------|

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|   |   |      |   |      |
|---|---|------|---|------|
| 2 | <p>"Antidepressant Drugs- (27 TPA)<br/> Fluxetine<br/> Hydrochloride and its derivatives OR<br/> Racemic Alcohol<br/> Paroxetine<br/> Hydrochloride and derivatives and<br/> Venlafaxine<br/> Hydrochloride and its derivatives OR<br/> Bupropion<br/> Hydrochloride and its derivatives OR<br/> Citalopram<br/> Hydrobromide and its derivatives OR<br/> Duloxetine<br/> Hydrochloride and its derivatives OR<br/> Reboxetine Methane Sulfonate and its derivatives OR<br/> Sertraline<br/> Hydrochloride and its derivatives OR<br/> Torseamide and its derivatives OR<br/> Escitalopram oxalate &amp; its derivatives. "</p> | 2.25 | 0 | 2.25 |
| 3 | <p>"Hormones- (3.5 TPA)<br/> Mestrelone and its derivatives OR HPC V<br/> OR Testosterone<br/> Enanthate and its derivativ+C6es OR<br/> Norethisterone and its derivatives OR<br/> Levonorgestryl and its derivatives OR<br/> Mifepristone and its derivatives."</p>  | 0.29 | 0 | 0.29 |


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|   |  |      |   |      |
|---|--|------|---|------|
| 4 | <p>"Antibacterial/<br/>Antifungal/ Antiviral<br/>Drugs-(52 TPA)<br/>Sulfamoxole and its<br/>derivatives OR<br/>Trimethoprim and its<br/>derivatives OR<br/>Ciprofloxacin and its<br/>derivatives OR<br/>Difloxacin and its<br/>derivatives OR<br/>Enrofloxacin and its<br/>derivatives OR<br/>Gatifloxacin and its<br/>derivatives OR<br/>Linezolid and its<br/>derivatives or<br/>Levofloxacin<br/>Hemihydrate and its<br/>derivatives OR<br/>Norfloxacin and its<br/>derivatives OR<br/>Ofloxacin and its<br/>derivatives OR<br/>Sparfloxacin and its<br/>derivatives OR<br/>Fluconazole and its<br/>derivatives OR<br/>Terbinafine<br/>Hydrochloride and its<br/>derivatives OR<br/>Aciclovir and its<br/>derivatives OR<br/>Didonosine and its<br/>derivatives OR<br/>Efaverinz and its<br/>derivatives OR<br/>Lamivudine and its<br/>derivatives OR<br/>Nelfinavir Mesylate<br/>and its derivatives OR<br/>Praziquantel and its<br/>derivatives "</p> | 4.33 | 0 | 4.33 |
| 5 | <p>"Cardiac Drugs/<br/>Erectile Dysfunction<br/>-(25 TPA) Xantinol<br/>Niconate and its<br/>derivatives OR<br/>Atorvastatin Calcium<br/>and its derivatives OR<br/>Fluvastatin Sodium<br/>and its derivatives OR<br/>Oxyfedrine<br/>Hydrochloride and its<br/>derivatives OR<br/>Pitavastatin and its<br/>derivatives OR<br/>Pitavastatin Sodium<br/>and its derivatives OR<br/>Simvastatin and its<br/>derivatives OR<br/>Sildenafil Citrate and<br/>its derivatives OR<br/>Apomorphine and its<br/>derivatives"</p>  | 2.08 | 0 | 2.08 |

  
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|   |   |       |   |       |
|---|---|-------|---|-------|
| 6 | <p>"Laxative / Anti Alcerative Drugs - (127 TPA) Bisacodyl and its derivatives OR Normacol and its derivatives OR Famotidine and its derivatives OR Lansoprazole and its derivatives OR Omeprazole, Omeprazole Magnesium / Sodium and its derivatives OR Pantaprazole and derivatives OR Rabeprazole and its derivatives."</p>  | 10.58 | 0 | 10.58 |
| 7 | <p>"Antihypertensive Drugs - (24 TPA) Clonidine Hydrochloride and its derivatives OR Di-Pyridamole and its derivatives OR Verpamil Hydrochloride and its derivatives OR Amlodipine Besylate / Hydrochloride and its derivatives OR Amlodipine Besylate / Hydrochloride and its derivatives Atenolol and its derivatives OR Benzapril Hydrochloride and its derivatives OR Candesartan Cliexetil &amp; its derivatives OR Carvedilol and its derivatives OR Diltiazem Hydrochloride and its derivatives OR Enalapril Maleate and its derivatives OR Metolazone and its derivatives OR Rampril and its derivatives OR S- Amlodipin Besylate and its derivatives OR Terazosin Hydrochloride Dihyrate and its derivatives OR Telmisartan &amp; its Derivatives"</p> | 2     | 0 | 2     |

|                                   |   |      |   |      |
|-----------------------------------|---|------|---|------|
| 8                                 | "Anti - Asthamatic Drugs - (72 TPA) Theophylline and its derivatives OR Etofylline and its derivatives OR Diprophylline and its derivatives OR Montelukast Sodium and its derivatives OR Salbutamol & its derivatives." | 6    | 0 | 6    |
| 9                                 | "Antiepileptic Drugs - (16 TPA) Carbamazepine and its derivatives "   | 1.33 | 0 | 1.33 |
| 10                                | "Anti Diabetic Drugs - (24 TPA) Sulphonamide/ Glibenclamide/ Glyburide and its derivatives OR Glimperide and its derivatives OR Pioglitazone Hydrochloride and its derivatives OR Repaglenide and its derivatives"      | 2    | 0 | 2    |
| 11                                | "Antispasmodic Drugs- (6 TPA) Mebeverine Hydrochloride and its derivatives "  | 0.5  | 0 | 0.5  |
| 12                                | "Anti Cancer/ Antineoplastic Drugs - (1 TPA) Fosfestrol and its derivatives OR Cyclophosphamide and its derivatives OR Exemestane and its derivatives."   | 0.08 | 0 | 0.08 |
| <b>32.Total Water Requirement</b> |   |      |   |      |

  
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|                                   |  |    |
|-----------------------------------|--|----|
| Dry season:                       | Source of water                              | NA |
|                                   | Fresh water (CMD):                           | NA |
|                                   | Recycled water - Flushing (CMD):             | NA |
|                                   | Recycled water - Gardening (CMD):            | NA |
|                                   | Swimming pool make up (Cum):                 | NA |
|                                   | Total Water Requirement (CMD) :              | NA |
|                                   | Fire fighting - Underground water tank(CMD): | NA |
|                                   | Fire fighting - Overhead water tank(CMD):    | NA |
|                                   | Excess treated water                         | NA |
| Wet season:                       | Source of water                              | NA |
|                                   | Fresh water (CMD):                           | NA |
|                                   | Recycled water - Flushing (CMD):             | NA |
|                                   | Recycled water - Gardening (CMD):            | NA |
|                                   | Swimming pool make up (Cum):                 | NA |
|                                   | Total Water Requirement (CMD) :              | NA |
|                                   | Fire fighting - Underground water tank(CMD): | NA |
|                                   | Fire fighting - Overhead water tank(CMD):    | NA |
|                                   | Excess treated water                         | NA |
| Details of Swimming pool (If any) | NA   |    |


### 33.Details of Total water consumed

| Particulars                | Consumption (CMD) |          |       | Loss (CMD) |          |       | Effluent (CMD) |          |       |
|----------------------------|-------------------|----------|-------|------------|----------|-------|----------------|----------|-------|
|                            | Existing          | Proposed | Total | Existing   | Proposed | Total | Existing       | Proposed | Total |
| Domestic                   | 50                | 0        | 50    | 30         | 0        | 30    | 20             | 0        | 20    |
| Industrial Process         | 150               | 0        | 150   | 30         | 0        | 30    | 120            | 0        | 120   |
| Cooling tower & thermopack | 175               | 0        | 175   | 10         | 0        | 10    | 165            | 0        | 165   |
| Gardening                  | 46                | 0        | 46    | 46         | 0        | 46    | 0              | 0        | 0     |


  
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|   |   |   |
|---|---|---|
| <b>34.Rain Water Harvesting (RWH)</b>                                   | <b>Level of the Ground water table:</b>           | No RWH  |
|   | <b>Size and no of RWH tank(s) and Quantity:</b>   | NA  |
|   | <b>Location of the RWH tank(s):</b>               | NA  |
|   | <b>Quantity of recharge pits:</b>                 | NA  |
|   | <b>Size of recharge pits :</b>                    | NA  |
|   | <b>Budgetary allocation (Capital cost) :</b>      | NA  |
|   | <b>Budgetary allocation (O &amp; M cost) :</b>    | NA  |
|   | <b>Details of UGT tanks if any :</b>              | NA  |
| <b>35.Storm water drainage</b>  | <b>Natural water drainage pattern:</b>            | From South to North                                     |
|   | <b>Quantity of storm water:</b>                   | NA  |
|   | <b>Size of SWD:</b>                               | NA  |
| <b>Sewage and Waste water</b>   | <b>Sewage generation in KLD:</b>                  | 20  |
|   | <b>STP technology:</b>                            | Sewage is being treated in ETP with industrial effluent |
|   | <b>Capacity of STP (CMD):</b>                     | NA  |
|   | <b>Location &amp; area of the STP:</b>            | NA  |
|   | <b>Budgetary allocation (Capital cost):</b>       | NA  |
|   | <b>Budgetary allocation (O &amp; M cost):</b>     | NA  |
| <b>36.Solid waste Management</b>  |   |   |
| <b>Waste generation in the Pre Construction and Construction phase:</b> | <b>Waste generation:</b>                          | Not Applicable as this is case of violation             |
|   | <b>Disposal of the construction waste debris:</b> | NA  |
| <b>Waste generation in the operation Phase:</b>                         | <b>Dry waste:</b>                                 | NA  |
|   | <b>Wet waste:</b>                                 | NA  |
|   | <b>Hazardous waste:</b>                           | Details are provided in S. No. 45                       |
|   | <b>Biomedical waste (If applicable):</b>          | NA  |
|   | <b>STP Sludge (Dry sludge):</b>                   | NA  |
|   | <b>Others if any:</b>                             | NA  |

  
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|  |  |   |
|--|--|---|
| <b>Mode of Disposal of waste:</b>                            | <b>Dry waste:</b>  | NA  |
|  | <b>Wet waste:</b>  | NA  |
|  | <b>Hazardous waste:</b>                                    | Disposal of Hazardous Waste as per MPCB / CPCB norms. (details are provided Point No. 45 below) |
|  | <b>Biomedical waste (If applicable):</b>                   | NA  |
|  | <b>STP Sludge (Dry sludge):</b>                            | NA  |
|  | <b>Others if any:</b>                                      | NA  |
| <b>Area requirement:</b>                                     | <b>Location(s):</b>  | Near ETP  |
|  | <b>Area for the storage of waste &amp; other material:</b> | 4x4 m   |
|  | <b>Area for machinery:</b>                                 | 4945.31 m <sup>2</sup>  |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>                                       | NA  |
|  | <b>O &amp; M cost:</b>                                     | NA  |


### 37. Effluent Characteristics

| Serial Number | Parameters      | Unit | Inlet Effluent Characteristics | Outlet Effluent Characteristics | Effluent discharge standards (MPCB) |
|---------------|-----------------|------|--------------------------------|---------------------------------|-------------------------------------|
| 1             | pH              | NA   | 8.18                           | 7.38                            | 5.5 - 9.0                           |
| 2             | Oil & Grease    | mg/l | 10                             | < 0.1                           | 10                                  |
| 3             | BOD             | mg/l | 312                            | 13                              | 100                                 |
| 4             | TDS             | mg/l | 1476                           | 114                             | 2100                                |
| 5             | Suspended Solid | mg/l | 132                            | 18                              | 100                                 |
| 6             | COD             | mg/l | 958                            | 40                              | 250                                 |
| 7             | Chlorides       | mg/l | 442.69                         | 47.74                           | 600                                 |
| 8             | Sulphate        | mg/l | 48.25                          | 8.75                            | 1000                                |

|                                       |  |
|---------------------------------------|--|
| Amount of effluent generation (CMD):  | 150  |
| Capacity of the ETP:                  | 150  |
| Amount of treated effluent recycled : | 150  |
| Amount of water send to the CETP:     | NA   |
| Membership of CETP (if require):      | NA   |
| Note on ETP technology to be used     | Effluent treatment comprising of Primary, Secondary & Tertiary treatment system, UF,RO,MEE |
| Disposal of the ETP sludge            | ETP Sludge is being sent to MWML, Taloja for disposal by landfilling                       |


### 38. Hazardous Waste Details

| Serial Number | Description   | Cat  | UOM      | Existing | Proposed | Total | Method of Disposal                 |
|---------------|---|------|----------|----------|----------|-------|------------------------------------|
| 1             | Residues and wastes                                     | 28.1 | MT/Month | 16       | 0        | 16    | CHWTSDF                            |
| 2             | Spent catalyst/ spent carbon off specification products | 28.2 | MT/Month | 2        | 0        | 2     | CHWTSDF                            |
| 3             | Spent mother liquor                                     | 28.4 | MT/Month | 59       | 0        | 59    | Sale to register recycler/ CHWTSDF |
| 4             | Spent organic solvents                                  | 28.5 | MT/Month | 70       | 0        | 70    | Sale to register recycler/ CHWTSDF |

  
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|   |   |      |          |    |   |    |                           |
|---|---|------|----------|----|---|----|---------------------------|
| 5 | Chemical sludge from ETP                                      | 34.3 | MT/Month | 10 | 0 | 10 | CHWTSDF                   |
| 6 | Used/ spent oil   | 5.1  | MT/Month | 4  | 0 | 4  | Sale to register recycler |
| 7 | Date-expired, discarded and off-specification drugs/ medicine | 28.3 | MT/Month | 59 | 0 | 59 | CHWTSDF                   |

### 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 1 (3.5 T/hr)                        | FO -130 Lit/day                 | 1         | 32                           | 1.1                   | 150°C                  |
| 2             | Boilers (2 Nos., each of 2 T/hr) - Standby | FO -100 Lit/day for each boiler | 1         | 32                           | 1.1                   | 150°C                  |
| 3             | DG Set (250 KVA)                           | HSD -35 Lit/hr                  | 1         | 7                            | 0.3                   | 150°C                  |
| 4             | DG Set (1500 KVA)                          | HSD -210 Lit/hr                 | 1         | 30                           | 0.3                   | 150°C                  |
| 5             | DG Set (1500 KVA)                          | HSD -210 Lit/hr                 | 1         | 30                           | 0.3                   | 150°C                  |

### 40.Details of Fuel to be used

| Serial Number | Type of Fuel    | Existing    | Proposed | Total       |
|---------------|-----------------|-------------|----------|-------------|
| 1             | FO for Boilers  | 260 Lit/Day | 0        | 260 Lit/Day |
| 2             | HSD for DG Sets | 950 Lit/hr  | 0        | 950 Lit/hr  |

41.Source of Fuel

Local Market

42.Mode of Transportation of fuel to site

Tanker

### 43.Green Belt Development

|  |                      |
|--|----------------------|
| <b>Total RG area :</b>                         | Existing:14217.45 m2 |
| <b>No of trees to be cut :</b>                 | NA                   |
| <b>Number of trees to be planted :</b>         | NA                   |
| <b>List of proposed native trees :</b>         | NA                   |
| <b>Timeline for completion of plantation :</b> | NA                   |

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

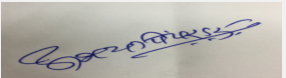
| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance |
|---------------|-------------------|-------------|----------|---|
| 1             | NA                | NA          | NA       | NA                                      |

45.Total quantity of plants on ground

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


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

### 47.Energy

  
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|                           |  |   |
|---------------------------|--|---|
| <b>Power requirement:</b> | <b>Source of power supply :</b>                                      | Maharashtra State Electricity Distribution Company Limited (MSEDCL) |
|                           | <b>During Construction Phase: (Demand Load)</b>                      | NA  |
|                           | <b>DG set as Power back-up during construction phase</b>             | NA  |
|                           | <b>During Operation phase (Connected load):</b>                      | 2648 kVA  |
|                           | <b>During Operation phase (Demand load):</b>                         | 1614 kVA  |
|                           | <b>Transformer:</b>  | 2500KVA   |
|                           | <b>DG set as Power back-up during operation phase:</b>               | DG Sets of 2 nos.: 250 kVA,1500 kVA                                 |
|                           | <b>Fuel used:</b>  | HSD   |
|                           | <b>Details of high tension line passing through the plot if any:</b> | NO  |

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

Solar Energy

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

| Serial Number | Energy Conservation Measures  | Saving %                                    |
|---------------|---|---|
| 1             | solar warm water system Installed for Warm water generator with evacuated tube type solar collector ( panel ) on utility terrace, Cap is 300000 Kcal/day ,Resulting in saving of thermal (steam) energy and reduce the steam consumption. Also save fuel and environment. | By solar warm water system : 5.23 Lakhs Rs. |

#### 50. Details of pollution control Systems


| Source      | Existing pollution control system  | Proposed to be installed |
|-------------|--|--------------------------|
| Air         | Adequate stck heights to stack to boilers and DG sets are provided and scrubbers to process vents are provided | NA                       |
| Water       | Effluent Treatment Plant   | NA                       |
| Noise       | PPE, Acaustic Enclosure  | NA                       |
| Solid Waste | Haz. Waste is being disposed to CHWTSDF  | NA                       |

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

### 51. Environmental Management plan Budgetary Allocation


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

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|------------|-----------|------------------------------------|
| 1             | NA         | NA        | NA                                 |

  
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**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                 | Scrubbers & Dust Collector           | 55.61                    | 43.73   |
| 2             | Water Pollution Control               | ETP, RO ,MEE                         | 742.64                   | 1114.43   |
| 3             | Noise PollutionControl                | Acoustic Enclosure to Blower and DG  | 37                       | 10  |
| 4             | Environment Monitoring and Management | Monitoring through MoEF approved Lab | NA                       | 4.2   |
| 5             | Green Belt                            | Maintenance of Green belt.           | 15                       | 17  |
| 6             | Solid Waste Management                | Handling and disposal at CHWTSDF     | 9.5                      | 40  |

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


| Description               | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|---------------------------|--------|----------|------------------------|--|---------------------------|------------------|-------------------------|
| Petroleum Class A in Bulk | NA     | NA       | 90.00 KL               | NA   | NA                        | NA               | NA                      |
| Petroleum Class B in Bulk | NA     | NA       | 30.00 KL               | NA   | NA                        | NA               | NA                      |
| Petroleum Class C in Bulk | NA     | NA       | 64.00 KL               | NA   | NA                        | NA               | NA                      |
| DP Store                  | NA     | NA       | 40 KL                  | NA   | NA                        | NA               | NA                      |
| Non Classified Store      | NA     | NA       | 36 KL                  | NA   | NA                        | NA               | NA                      |

**52.Any Other Information**

No Information Available

**53.Traffic Management**

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

  
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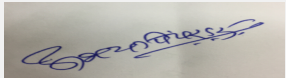
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|                  |   |   |
|------------------|---|---|
| Parking details: | Number and area of basement:  | NA  |
|                  | Number and area of podia:   | NA  |
|                  | Total Parking area:   | NA  |
|                  | Area 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):  | NA  |
|                  | CRZ/ RRZ clearance obtain, if any:  | NA  |
|                  | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | NA  |
|                  | Category as per schedule of EIA Notification sheet  | 5(f) B  |
|                  | Court cases pending if any  | NA  |
|                  | Other Relevant Informations   | We have done application under violation case to MoEF vide Proposal Number IA/MH/IND2/68274/2017 on 09/09/2017. The case was transferred to SEAC Maharashtra vide Proposal Number SIA/MH/IND2/23401/2018. Again we have done application on state portal via MoEF vide Proposal number SIA/MH/IND2/23919/2018 on 09/04/2018 with reference to the public notice vide No. ENV-2018/Legal/CR-8. |
|                  | Have you previously submitted Application online on MOEF Website.                                       | Yes   |
|                  | Date of online submission   | 09-09-2017  |

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

|                                      |                |
|--------------------------------------|----------------|
| Environmental Impacts of the project | Not Applicable |
| Water Budget                         | Not Applicable |
| Waste Water Treatment                | Not Applicable |

  
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|   |                |
|---|----------------|
| <b>Drainage pattern of the project</b>                          | Not Applicable |
| <b>Ground water parameters</b>                                  | Not Applicable |
| <b>Solid Waste Management</b>                                   | Not Applicable |
| <b>Air Quality &amp; Noise Level issues</b>                     | Not Applicable |
| <b>Energy Management</b>  | Not Applicable |
| <b>Traffic circulation system and risk assessment</b>           | Not Applicable |
| <b>Landscape Plan</b>   | Not Applicable |
| <b>Disaster management system and risk assessment</b>           | Not Applicable |
| <b>Socioeconomic impact assessment</b>                          | Not Applicable |
| <b>Environmental Management Plan</b>                            | Not Applicable |
| <b>Any other issues related to environmental sustainability</b> | Not Applicable |

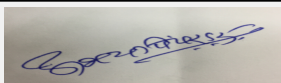
### Brief information of the project by SEAC

PP submitted application under violation category as per Notification issued by MoEF&CC dated 08.03.2018.

PP presented the proposal for ToR as per standard ToR issued by MoEF&CC in April 2015 and Notification issued on 08.03.2018.

### DECISION OF SEAC


SEAC-AGENDA/2000000116




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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 subject to the applicability of general conditions with respect to the distance of the proposed site from Karnala Hill Bird Sanctuary. Public Consultation to be carried out as per procedure stipulated in the EIA Notification, 2006.

PP to refer to the Office Memorandum issued by MoEF&CC dated 19.08.2018 with respect to the standard conditions to be stipulated in the Environment Clearance letter for the Pharmaceutical industry to identify the impact of operations on the environment attributes and implement appropriate mitigation measures to reduce the impact.

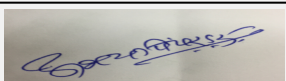
PP to identify all such activities on site which have impacted on the various verticles of the environment like Water, Air, Soil and Noise etc and compare it with the standard parameters to assess the damage as referred in the Notification dated 08.03.2018

#### Specific Conditions by SEAC:

- 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 internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
- 3) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc
- 4) PP to submit project site details (location, top sheet of the study area of 10 km., coordinates, Google map, layout map, land use, geological features and geo hydrological status of the study area, drainage pattern etc.)
- 5) PP to submit details of Forest and Wild Life ecosensitive zones if any in the study area and within the range of 5 km.
- 6) Land use of the study area delineating forest area, agricultural land, grazing land, wild life sanctuary, national parks, migratory routes of fauna, water bodies, human settlement and other ecological features to be indicated in the report
- 7) PP to submit details of likely impact of the proposed project and work carried out without obtaining prior Environment Clearance on the environmental parameters (ambient air, surface and ground water, land, flora and fauna, ambient noise, climate change and socio economic etc.)
- 8) PP to assess ecological damage with respect to the air, water, land and other environmental attributes. The collection and analysis of data shall be done by an Environmental Laboratory accredited by NABL or a laboratory of a council of Scientific and Industrial Research (CSIR) Institution working in the field of Environment.
- 9) PP to prepare an EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation
- 10) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.
- 11) 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.
- 12) PP to carry out HAZOP and QRA and submit Disaster Management Plan
- 13) PP to provide new and renewable energy sources for the illumination of the office building and street lights.

### FINAL RECOMMENDATION

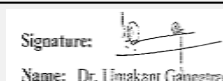
The Committee decided to Grant ToR subject to the above observations, PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.



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

**SEAC Meeting No: 154th ,Day-4 Meeting Date:  
August 30, 2018**

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