



## STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,  
Room No. 217, 2nd floor,  
Mantralaya, Annexe,  
Mumbai- 400 032.  
Date: January 15, 2020

To,  
**Jawaharlal Nehru Port Trust**  
at NA, The project area falls under the notified water limits of JNPT which is located in District Raigad, Navi Mumbai, Maharashtra

**Subject:** Environment Clearance for Proposed Additional Liquid Cargo Jetty with capacity of 4.5 MTPA at JNPT  
Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 172nd meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 184th meetings.


2. It is noted that the proposal is considered by SEAC-I under screening category 7 (e) Port, Harbours, Breakwaters, Dredging as per EIA Notification 2006.

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

|  |   |
|--|---|
| 1.Name of Project  | Proposed Additional Liquid Cargo Jetty with capacity of 4.5 MTPA at JNPT  |
| 2.Type of institution  | Private   |
| 3.Name of Project Proponent  | Jawaharlal Nehru Port Trust   |
| 4.Name of Consultant   | TATA Consulting Engineers Ltd   |
| 5.Type of project  | Others (Cat- 'B' Construction of foreshore facilities)  |
| 6.New project/expansion in existing project/modernization/diversification in existing project          | This project is for providing additional jetty for existing Liquid Cargo Jetty with capacity of 4.5 MTPA  |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Yes, Environment Clearance for previous project is obtained vied letter No. PD/260181498-PDZ (CRZ) Dated: 10th November 1998  |
| 8.Location of the project  | NA, The project area falls under the notified water limits of JNPT which is located in District Raigad, Navi Mumbai, Maharashtra  |
| 9.Taluka   | Uran  |
| 10.Village   | Sheva   |
| Correspondence Name:   | Sri. S.V. Madabhavi, Chief Manager, PDD, JNPT   |
| Room Number:   | CM Chamber  |
| Floor:   | Second Floor  |
| Building Name:   | JNPT Administrative Building  |
| Road/Street Name:  | JNPT Road   |
| Locality:  | Sheva   |
| City:  | Uran  |
| 11.Whether in Corporation / Municipal / other area   | NA, The proposed project is an offshore structure and the project area falls under the notified water limits of JNPT - Area of proposed Activities, liquid jetty for berthing of Vessel (300m X 55m =16500 sq.m) plus fire fighting Pumping Station (49m X 20m= 980 sq.m)   |
| 12.IOD/IOA/Concession/Plan Approval Number   | NA, The proposed project of additional liquid jetty Cargo is an offshore structure and hence IOD/IOA/Concession document is not applicable<br><b>IOD/IOA/Concession/Plan Approval Number:</b> NA, The proposed project of additional liquid jetty Cargo is an offshore structure and hence IOD/IOA/Concession approval number is not applicable<br><b>Approved Built-up Area:</b> 20500 |
| 13.Note on the initiated work (If applicable)  | NA, No construction work has been initiated on site. DPR including necessary studies is prepared for the proposed project.  |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)   | NA, The proposed project of additional liquid jetty Cargo is an offshore structure and hence LOI/NOC/IOD is not applicable.   |

**SEIAA Meeting No: 184 Meeting Date: December 30, 2019 (**  
**SEIAA-STATEMENT-0000001146 )**  
**SEIAA-MINUTES-0000002871**  
**SEIAA-EC-0000002294**

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

|   |   |
|---|---|
| 15.Total Plot Area (sq. m.)   | 17500 sq. m   |
| 16.Deductions   | NA, The proposed project of additional liquid jetty Cargo is an offshore structure and not building construction activity hence deduction is not applicable.  |
| 17.Net Plot area  | 17500 sq. m   |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI)                                   | <b>FSI area (sq. m.):</b> NA, The proposed project of additional liquid jetty Cargo is an offshore structure and not building construction activity hence FSI area is not applicable.                         |
|   | <b>Non FSI area (sq. m.):</b> NA, The proposed project of additional liquid jetty Cargo is an offshore structure and not building construction activity hence Non-FSI area is not applicable.                 |
|   | <b>Total BUA area (sq. m.):</b> 20500   |
| 18 (b).Approved Built up area as per DCR  | <b>Approved FSI area (sq. m.):</b> NA, The proposed project of additional liquid jetty Cargo is an offshore structure and not building construction activity hence Non-FSI area is not applicable             |
|   | <b>Approved Non FSI area (sq. m.):</b> NA, The proposed project of additional liquid jetty Cargo is an offshore structure and not building construction activity hence Non-FSI area is not applicable.        |
|   | <b>Date of Approval:</b> 26-11-2018   |
| 19.Total ground coverage (m2)   | NA, The proposed project is an offshore structure and will be build on piled structure- liquid jetty for berthing of Vessel (300m X 55m =16500 sq.m) plus fire fighting pumping Station (49m X 20m= 980 sq.m) |
| 20.Ground-coverage Percentage (%)<br>(Note: Percentage of plot not open to sky) | Not Applicable  |
| 21.Estimated cost of the project  | 3091000000  |



# Government of Maharashtra

## 22. Production Details

| Serial Number | Product   | Existing (MT/M)                                 | Proposed (MT/M)                                 | Total (MT/M) |
|---------------|---|---|---|--------------|
| 1             | Proposed project is Liquid Cargo jetty for loading / unloading Liquid Cargo. No material production is envisaged. | Existing capacity of handling cargo is 6.5 MTPA | Proposed facility of handling cargo is 4.5 MTPA | 11.0 MTPA    |

## 23. Total Water Requirement

|  |   |  |
|--|---|--|
| <b>Dry season:</b>                       | <b>Source of water</b>                                    | From JNPT water supply main  |
|  | <b>Fresh water (CMD):</b>                                 | (50 x 45 lit) 2.25 CMD (Domestic Consumption)  |
|  | <b>Recycled water - Flushing (CMD):</b>                   | Not applicable   |
|  | <b>Recycled water - Gardening (CMD):</b>                  | Not applicable   |
|  | <b>Swimming pool make up (Cum):</b>                       | Not applicable   |
|  | <b>Total Water Requirement (CMD) :</b>                    | 2.25 CMD   |
|  | <b>Fire fighting - Underground water tank(CMD):</b>       | Sea water- 1200m3/hr fire fighting form the five stations located within 150 meter jetty. ( No underground Tank) |
|  | <b>Fire fighting - Overhead water tank(CMD):</b>          | No overhead tank (Sea water used for firefighting)   |
|  | <b>Excess treated water</b>                               | Not applicable   |
| <b>Wet season:</b>                       | <b>Source of water</b>                                    | From JNPT water supply main  |
|  | <b>Fresh water (CMD):</b>                                 | (50 x 45 lit) 2.25 CMD (Domestic Consumption)  |
|  | <b>Recycled water - Flushing (CMD):</b>                   | Not applicable   |
|  | <b>Recycled water - Gardening (CMD):</b>                  | Not applicable   |
|  | <b>Swimming pool make up (Cum):</b>                       | Not applicable   |
|  | <b>Total Water Requirement (CMD) :</b>                    | 2.25 CMD   |
|  | <b>Fire fighting - Underground water tank(CMD):</b>       | Sea water- 1200m3/hr fire fighting form the five stations located within 150 meter jetty. ( No underground Tank) |
|  | <b>Fire fighting - Overhead water tank(CMD):</b>          | No overhead tank (Sea water used for firefighting)   |
|  | <b>Excess treated water</b>                               | Not applicable   |
| <b>Details of Swimming pool (If any)</b> | Not applicable- Proposed project is a liquid Cargo Jetty. |  |

## 24.Details of Total water consumed

| Particulars             | Consumption (CMD) |          |       | Loss (CMD) |          |       | Effluent (CMD) |          |       |
|-------------------------|-------------------|----------|-------|------------|----------|-------|----------------|----------|-------|
|                         | Existing          | Proposed | Total | Existing   | Proposed | Total | Existing       | Proposed | Total |
| Fresh water requirement | 4                 | 2.25     | 6.25  | 0          | 0        | 0     | 0              | 0        | 0     |

|                                       |   |  |
|---------------------------------------|---|--|
| <b>25.Rain Water Harvesting (RWH)</b> | <b>Level of the Ground water table:</b>         | The proposed project of additional liquid jetty Cargo is an offshore structure hence rainwater harvesting is not proposed in the project area. |
|                                       | <b>Size and no of RWH tank(s) and Quantity:</b> | In deck open to flow of water.   |
|                                       | <b>Location of the RWH tank(s):</b>             | Not Applicable   |
|                                       | <b>Quantity of recharge pits:</b>               | Not Applicable   |
|                                       | <b>Size of recharge pits :</b>                  | Not Applicable   |
|                                       | <b>Budgetary allocation (Capital cost) :</b>    | Not Applicable   |
|                                       | <b>Budgetary allocation (O &amp; M cost) :</b>  | Not Applicable   |
|                                       | <b>Details of UGT tanks if any :</b>            | NOT APPLICABLE- Proposed project is of additional liquid Cargo Jetty is an offshore structure hence no UGT is proposed.                        |

|                                |  |  |
|--------------------------------|--|--|
| <b>26.Storm water drainage</b> | <b>Natural water drainage pattern:</b> | The proposed project of additional liquid jetty cargo is an offshore structure on deck and open to flow water. |
|                                | <b>Quantity of storm water:</b>        | Not Applicable   |
|                                | <b>Size of SWD:</b>                    | Not Applicable   |

|                                  |   |   |
|----------------------------------|---|---|
| <b>27.Sewage and Waste water</b> | <b>Sewage generation in KLD:</b>              | No STP is proposed at the project location instead smart toilets will be provided and sewage generated will be transferref to JNPTs existing 4 MLD STP. |
|                                  | <b>STP technology:</b>                        | Not Applicable  |
|                                  | <b>Capacity of STP (CMD):</b>                 | Not Applicable  |
|                                  | <b>Location &amp; area of the STP:</b>        | Not Applicable  |
|                                  | <b>Budgetary allocation (Capital cost):</b>   | Not Applicable  |
|                                  | <b>Budgetary allocation (O &amp; M cost):</b> | Not Applicable  |

## 28.Solid waste Management

|   |  |  |
|---|--|--|
| <b>Waste generation in the Pre Construction and Construction phase:</b> | <b>Waste generation:</b>                                   | Construction phase- Dredge material Quantity 0.2 million cu m. Hazardous waste is not generated as there are no production activities involved but waste like Used oil from DG sets, Absorbent pad/cotton rag will be generated.                             |
|   | <b>Disposal of the construction waste debris:</b>          | Disposal of dredge material (0.2 million cu m) at designated dumping site DS-3. Waste generated like Used oil from DG sets, Absorbent pad/cotton rag will be handed over to MPCB authorised vendor.  |
| <b>Waste generation in the operation Phase:</b>                         | <b>Dry waste:</b>  | 50 gm X 50= 2.5 kg/ day  |
|   | <b>Wet waste:</b>  | 50 gm x 50= 2.5 kg/day   |
|   | <b>Hazardous waste:</b>                                    | 5 kg/month (Absorbent Pad/ Cotton rag), DG set oil 40 lit every six months as a maintenance activity.  |
|   | <b>Biomedical waste (If applicable):</b>                   | NOT APPLICABLE   |
|   | <b>STP Sludge (Dry sludge):</b>                            | NOT APPLICABLE. Minor additional amount will be generated in the proposed project for which smart toilets will be installed. The amount generated will be treated in the existing STP.   |
|   | <b>Others if any:</b>                                      | NOT APPLICABLE   |
| <b>Mode of Disposal of waste:</b>                                       | <b>Dry waste:</b>  | Disposal of the dry waste collected from the dustbins will be transferred to existing waste collection area of JNPT.   |
|   | <b>Wet waste:</b>  | Disposal of the wet waste collected from the dustbins will be transferred to existing waste collection area of JNPT and will be used for composting.   |
|   | <b>Hazardous waste:</b>                                    | Hazardous waste will be handed over to MPCB authorized vendor for disposal.  |
|   | <b>Biomedical waste (If applicable):</b>                   | No bio-medical waste generated.  |
|   | <b>STP Sludge (Dry sludge):</b>                            | Used in gardening. Minor additional amount will be generated in the proposed project for which smart toilets will be installed. The amount generated will be treated in the existing STP. Dry sludge from the STP is used in the gardening in the JNPT area. |
|   | <b>Others if any:</b>                                      | Not Applicable   |
| <b>Area requirement:</b>  | <b>Location(s):</b>  | Not Applicable   |
|   | <b>Area for the storage of waste &amp; other material:</b> | Not Applicable   |
|   | <b>Area for machinery:</b>                                 | Not applicable   |
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b>            | <b>Capital cost:</b>                                       | In addition to existing solidwaste management facilities dustbins will be installed at project site for which capital cost is estimated 2 lakhs.   |
|   | <b>O &amp; M cost:</b>                                     | For waste disposal and house keeping 2.40 lakhs and for maintenance of dustbins 1 lakh rupees are proposed.  |

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## 29. Effluent Characteristics

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



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### 30. Hazardous Waste Details

| Serial Number | Description  | Cat            | UOM            | Existing       | Proposed       | Total          | Method of Disposal                    |
|---------------|--|----------------|----------------|----------------|----------------|----------------|---------------------------------------|
| 1             | Negligible quantity of waste (1-2 litre) is collected in tray & discharge into plastic drum and reintroduced into pipeline before pigging operation to transfer that into tank farm. Around 5 Kg of absorbent pad/cotton rag will be generated. Also 40 lit of oil from DG set will be generated each six month. | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Handed over to MPCB authorized vendor |

### 31. Stacks emission Details

| Serial Number | Section & units         | Fuel Used with Quantity | Stack No. | Height from ground level (m) | Internal diameter (m) | Temp. of Exhaust Gases |
|---------------|-------------------------|-------------------------|-----------|------------------------------|-----------------------|------------------------|
| 1             | DG set 320 kVA          | Diesel                  | 1         | 4                            | NA                    | NA                     |
| 2             | DG set 125kVA (5 sets)  | Diesel                  | 5         | 4                            | NA                    | NA                     |
| 3             | DG set 63kVA (6 sets)   | Diesel                  | 6         | 4                            | NA                    | NA                     |
| 4             | DG set 160 kVA (2 sets) | Diesel                  | 2         | NA                           | NA                    | NA                     |


### 32. Details of Fuel to be used

| Serial Number                          | Type of Fuel | Existing         | Proposed  | Total     |
|--|--------------|------------------|-----------|-----------|
| 1                                      | Diesel       | 60 Litre         | 120 Litre | 180 Litre |
| Source of Fuel                         |              | BPCL Petrol Pump |           |           |
| Mode of Transportation of fuel to site |              | In container     |           |           |

### 33. Energy

|  |  |   |
|--|--|---|
| <b>Power requirement:</b>  | <b>Source of power supply :</b>                          | Required power supply will be supplied through port's power grid. |
|  | <b>During Construction Phase: (Demand Load)</b>          | Construction phase power supply by DG sets.                       |
|  | <b>DG set as Power back-up during construction phase</b> | DG 320 kVA & 125 kVA (5 Sets) & 63 kVA (6 sets)                   |
|  | <b>During Operation phase (Connected load):</b>          | 33 KW   |
|  | <b>During Operation phase (Demand load):</b>             | 852.8 kVA   |
|  | <b>Transformer:</b>                                      | 2 x 1000 kVA  |
|  | <b>DG set as Power back-up during operation phase:</b>   | 2 x 160 kVA Power back-up.  |
|  | <b>Fuel used:</b>  | Diesel  |
| <b>Details of high tension line passing through the plot if any:</b> | No high tension line passing through the plot.           |   |

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

|   |                     |  |
|---|---------------------|--|
| <p><b>SEIAA Meeting No: 184 Meeting Date: December 30, 2019 (</b><br/> <b>SEIAA-STATEMENT-0000001146 )</b><br/> <b>SEIAA-MINUTES-0000002871</b><br/> <b>SEIAA-EC-0000002294</b></p> | <p>Page 7 of 12</p> | <br><b>Shri. Anil Diggikar (Member Secretary SEIAA)</b> |
|---|---------------------|--|

It is proposed to install solar panel at the project area to generate 0.8 kW of energy.

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

| Serial Number | Energy Conservation Measures | Saving %        |
|---------------|------------------------------|-----------------|
| 1             | Solar panels                 | 0.8 kW (0.03 %) |

### 37.Details of pollution control Systems

| Source           | Existing pollution control system   | Proposed to be installed  |
|------------------|---|---|
| Air Quality      | Continous Air quality monitoring is being carried out by JNPT along with measures like water sprinkling, shrouding etc. | Continous Air quality monitoring will be carried out by JNPT along with measures like water sprinkling, shrouding etc. Construction material will be transported in the covered vehicles to avoid spillage. |
| Water Quality    | Continous water quality monitoring is being carried out.  | Continues water quality monitoring will be carried out.   |
| Sediment Quality | Continous water quality monitoring is being carried out for the quality of sediment.                                    | Dredged sediment will be disposed off at designated site.   |
| Noise quality    | Continuous monitoring. Using maintained equipments and machinery, using acaustic enclosures. Providing PPEs             | Continuous monitoring. Using maintained equipments and machinery, using acaustic enclosures. Providing PPEs   |

|  |                        |          |
|--|------------------------|----------|
| <b>Budgetary allocation (Capital cost and O&amp;M cost):</b> | <b>Capital cost:</b>   | 1 Lakh   |
|  | <b>O &amp; M cost:</b> | 0.5 Lakh |

### 38.Environmental Management plan Budgetary Allocation

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

| Serial Number | Attributes              | Parameter  | Total Cost per annum (Rs. In Lacs) |
|---------------|-------------------------|--|------------------------------------|
| 1             | Air Quality Monitoring  | As per CPCB norms  | 20                                 |
| 2             | Meterology              | Wind (Direction, Speed), Temperature, humidity, Solar radiation etc. | 03                                 |
| 3             | Water                   | As per CPCB norms  | 01                                 |
| 4             | Soil                    | As per CPCB norms  | 02                                 |
| 5             | Noise                   | As per CPCB norms  | 1.50                               |
| 6             | Marine Water & Sediment | As per EPA Norms of Water category 4                                 | 21.50                              |
| 7             | Capacity Building       | Training, Workshop & Miscellaneous                                   | 01                                 |
| 8             | Solid Waste Management  | Solid waste management & Dustbins                                    | 02                                 |

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

| Serial Number | Component   | Description                       | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|---|-----------------------------------|--------------------------|---|
| 1             | Salary of Environmental Engineers                 | 2 Nos.                            | -                        | 7   |
| 2             | Documentation Assistants                          | 1 No.                             | -                        | 2   |
| 3             | Support Staff                                     | 1 No.                             | -                        | 6   |
| 4             | Waste Disposal & House keeping                    | -                                 | -                        | 2.40  |
| 5             | Maintenance of dustbin                            | Repair & Replacment               | -                        | 1   |
| 6             | Awareness Campaigns                               | Training                          | -                        | 15  |
| 7             | Statutory compliance for environmental protection | Environmental monitoring (marine) | -                        | 24.7  |

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

**SEIAA Meeting No: 184 Meeting Date: December 30, 2019 ( SEIAA-STATEMENT-0000001146 ) SEIAA-MINUTES-0000002871 SEIAA-EC-0000002294**



| 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 capacity addition is not envisaged for this project because existing tank form capacity is sufficient for storage of chemical of proposed project. | Not Applicable | Not Applicable | Not Applicable         | Not Applicable   | Not Applicable            | Not Applicable   | Not Applicable          |
| <b>40.Any Other Information</b>  |                |                |                        |  |                           |                  |                         |
| No Information Available   |                |                |                        |  |                           |                  |                         |



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|  |  |  |
|--|--|--|
|  | <b>CRZ/ RRZ clearance obtain, if any:</b>  | CRZ Clearance was granted by MCZMA on 23.07.2019 vied file number SEIAA-EC0000001874 |
|  | <b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b> | Elephanta Caves within 2.5KM , Karnala Bird Sanctuary at bout 20 km.                 |
|  | <b>Category as per schedule of EIA Notification sheet</b>  | 7 (e) Port, Harbours, Breakwaters, Dredging  |
|  | <b>Court cases pending if any</b>  | No   |
|  | <b>Other Relevant Informations</b>   | No   |
|  | <b>Have you previously submitted Application online on MOEF Website.</b>                                       | No   |
|  | <b>Date of online submission</b>   | -  |

**3. The proposal has been considered by SEIAA in its 184th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:**

**Specific Conditions:**

|            |  |
|------------|--|
| <b>I</b>   | PP to obtain requisite permission from the competent Authority to dispose dredged material.  |
| <b>II</b>  | PP to undertake precautionary measures to ensure prevention of leakages of any chemical in to the water body.  |
| <b>III</b> | PP to ensure to dispose all types of solid and hazardous wastes as per prevailing rules and obtaining requisite permission from the competent Authority.                       |
| <b>IV</b>  | PP to implement CER (Corporate Environment Responsibility) plan in consultation with the District Authority along with timelines as per OM issued by MoEF&CC dated 01.05.2018. |
| <b>V</b>   | PP to ensure that CER plan get approved from District Collector.   |
| <b>VI</b>  | PP to ensure to comply with the conditions stipulated in the Office Memorandum issued by MoEF& CC dated 9th August, 2018.  |

**General Conditions:**

|             |   |
|-------------|---|
| <b>I</b>    | (i)PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.  |
| <b>II</b>   | No additional land shall be used /acquired for any activity of the project without obtaining proper permission.   |
| <b>III</b>  | PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.  |
| <b>IV</b>   | Proper Housekeeping programmers shall be implemented.   |
| <b>V</b>    | In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.   |
| <b>VI</b>   | A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).   |
| <b>VII</b>  | A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.  |
| <b>VIII</b> | Arrangement shall be made that effluent and storm water does not get mixed.   |
| <b>IX</b>   | Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.  |
| <b>X</b>    | Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.  |
| <b>XI</b>   | The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989. |
| <b>XII</b>  | Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.   |
| <b>XIII</b> | Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.  |
| <b>XIV</b>  | Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.  |

|       |   |
|-------|---|
| XV    | (The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.  |
| XVI   | The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.  |
| XVII  | Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.   |
| XVIII | A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.  |
| XIX   | Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department  |
| XX    | The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a>   |
| XXI   | Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.  |
| XXII  | A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.  |
| XXIII | The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain. |
| XXIV  | The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.   |
| XXV   | The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.   |

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

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

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

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



Shri. Anil Diggikar (Member Secretary SEIAA)

**Copy to:**

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
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