



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

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

To,
Mr. Sanket .D. Nigudkar
at Plot No. A-2, MIDC Kurkumbh, Taluka -Daund, Pune

Subject: Environment Clearance for Environment Clearance for Environmental Clearance for proposed expansion of
M/s. Halides Chemicals Pvt. Ltd from 636.00 MT/Year to 4142.89 MT/Year

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 157th (A)th 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 163rd meetings.

2. It is noted that the proposal is considered by SEAC-I under screening category Category B: 5 (f) as per EIA Notification 2006.

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

| | |
|--|--|
| 1.Name of Project | M/s. Halides Chemicals Pvt. Ltd. |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | Mr. Sanket .D. Nigudkar |
| 4.Name of Consultant | Building Environment (India) Pvt. Ltd. |
| 5.Type of project | Industrial Estate-Industry 5 (f) Category |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Expansion in existing project |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | No, As per the EIA Notification the existing project does not need Environmental Clearance |
| 8.Location of the project | Plot No. A-2, MIDC Kurkumbh, Taluka -Daund, Pune |
| 9.Taluka | Daund |
| 10.Village | Not Applicable |
| Correspondence Name: | Mr. Sanket .D. Nigudkar |
| Room Number: | Not Applicable |
| Floor: | Not Applicable |
| Building Name: | Neelashri |
| Road/Street Name: | Off Paud Road |
| Locality: | Kothrud |
| City: | Pune |
| 11.Whether in Corporation / Municipal / other area | Kurkumbh MIDC Area |
| 12.IOD/IOA/Concession/Plan Approval Number | No Industry has applied for revised layout IOD/IOA/Concession/Plan Approval Number: Plan Approval No. SWC/66/3/20160417/396347 Approved Built-up Area: 2227.81 |

SEIAA Meeting No: 163 Meeting Date: April 2, 2019 (SEIAA-STATEMENT-0000000762)
SEIAA-MINUTES-0000001796
SEIAA-EC-0000001458

Shri. Anil Diggikar (Member Secretary SEIAA)

| | |
|---|---|
| 13.Note on the initiated work (If applicable) | It is an already existing industry and is in operation since 1995. No activity has been initiated for the proposed expansion. |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | NA |
| 15.Total Plot Area (sq. m.) | 4050.00 Sq. m. |
| 16.Deductions | Not applicable |
| 17.Net Plot area | 4050.00 Sq. m. |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | FSI area (sq. m.): 2227.81 |
| | Non FSI area (sq. m.): Not Applicable |
| | Total BUA area (sq. m.): 2227.81 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 2227.81 |
| | Approved Non FSI area (sq. m.): NA |
| | Date of Approval: 30-06-2010 |
| 19.Total ground coverage (m2) | 1478.8 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 36% |
| 21.Estimated cost of the project | 90500000 |

Government of Maharashtra

22. Production Details

| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
|---------------|---|-----------------|-----------------|--------------|
| 1 | N- Bromosuccinimide | 360.00 | 420.00 | 780.00 |
| 2 | N-Chlorosuccinimide | 240.00 | -120 | 120 |
| 3 | N-Iodosuccinimide | 36.00 | 00 | 36.00 |
| 4 | Bromo OTBN (2-cyano-4-Bromomethyl biphenyl) | 0.00 | 600.0 | 600.0 |
| 5 | 2-Bromopropionic Acid | 0.00 | 180.0 | 180.0 |
| 6 | Propionyl bromide | 0.00 | 180.0 | 180.0 |
| 7 | N- Hexyl bromide | 0.00 | 240.0 | 240.0 |
| 8 | tert- Butyl bromoacetate | 0.00 | 240.0 | 240.0 |
| 9 | Sodium Bromide Solution | 0.00 | 966.00 | 966.00 |
| 10 | Hydrogen Bromide Solution in water | 0.00 | 695.00 | 695.00 |
| 11 | Spent Iodine | 0.00 | 21.52 | 21.52 |
| 12 | phosphorous Acid | 0.00 | 84.36 | 84.36 |

23. Total Water Requirement

| | | |
|-------------|---|------|
| Dry season: | Source of water | MIDC |
| | Fresh water (CMD): | 58.9 |
| | Recycled water - Flushing (CMD): | 0.00 |
| | Recycled water - Gardening (CMD): | 6.0 |
| | Swimming pool make up (Cum): | NA |
| | Total Water Requirement (CMD) : | 73.7 |
| | Fire fighting - Underground water tank (CMD): | 20.0 |
| | Fire fighting - Overhead water tank (CMD): | NA |
| | Excess treated water | NA |

| | | |
|-----------------------------------|--|------|
| Wet season: | Source of water | MIDC |
| | Fresh water (CMD): | 58.9 |
| | Recycled water - Flushing (CMD): | 0.00 |
| | Recycled water - Gardening (CMD): | 0.00 |
| | Swimming pool make up (Cum): | NA |
| | Total Water Requirement (CMD) : | 67.7 |
| | Fire fighting - Underground water tank(CMD): | 20.0 |
| | Fire fighting - Overhead water tank(CMD): | NA |
| | Excess treated water | 6.0 |
| Details of Swimming pool (If any) | Swimming pool not applicable | |

Government of Maharashtra

| 24.Details of Total water consumed | | | | | | | | | |
|------------------------------------|--|----------|--|------------|----------|-------|----------------|----------|-------|
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
| Water Requirement | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Domestic | 5.0 | 0 | 5.0 | 0.5 | Nil | 0.5 | 4.5 | 0 | 4.5 |
| Cooling tower & thermopack | 42.55 | 6.54 | 49.09 | 41.62 | 6.39 | 48.01 | 0.94 | 0.14 | 1.08 |
| Industrial Process | 6.9 | 6.7 | 13.6 | 0.25 | 0.25 | 0.5 | 5.5 | 7.6 | 13.1 |
| Gardening | 2.0 | 4.0 | 6.0 | 2.0 | 4.0 | 6.0 | 0.0 | 0.0 | 0.0 |
| Fresh water requirement | 45.64 | 13.24 | 58.89 | 34.7 | 5.5 | 40.21 | 5.5 | 8.7 | 14.2 |
| | | | | | | | | | |
| 25.Rain Water Harvesting (RWH) | Level of the Ground water table: | | 1.18-1.98m | | | | | | |
| | Size and no of RWH tank(s) and Quantity: | | 1 tank of 2.5m*2.5m*3.20m; Volume-20,000 Lit | | | | | | |
| | Location of the RWH tank(s): | | Behind parking near M.S.E.B yard | | | | | | |
| | Quantity of recharge pits: | | Not Applicable | | | | | | |
| | Size of recharge pits : | | Not Applicable | | | | | | |
| | Budgetary allocation (Capital cost) : | | 100000 | | | | | | |
| | Budgetary allocation (O & M cost) : | | 12002 | | | | | | |
| | Details of UGT tanks if any : | | Two UG tanks are installed : UG water tank of 30,000 Litres capacity is installed for domestic use UG water tanks of 20,000 Litres capacity is installed for fire fighting purpose | | | | | | |
| | | | | | | | | | |
| 26.Storm water drainage | Natural water drainage pattern: | | Yes | | | | | | |
| | Quantity of storm water: | | 24.15 m3/hr. | | | | | | |
| | Size of SWD: | | width -340 mm ; depth-260 mm | | | | | | |
| | | | | | | | | | |

| | | |
|----------------------------------|---|---|
| 27.Sewage and Waste water | Sewage generation in KLD: | 4.5KLD |
| | STP technology: | Currently having Septic tank. Industry has proposed STP with MBBR Technology for proposed expansion |
| | Capacity of STP (CMD): | 1 (Proposed)- 15 CMD |
| | Location & area of the STP: | Behind L.D.O storage/furnace oil tank |
| | Budgetary allocation (Capital cost): | 85.0 Lakh (Existing +Proposed) |
| | Budgetary allocation (O & M cost): | 6 Lakh (Existing +Proposed) |



Government of Maharashtra

28.Solid waste Management

| | | |
|---|--|--|
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Construction debris |
| | Disposal of the construction waste debris: | Industry is already in operation. PP has proposed construction of sheds, storage tanks. Waste likely to generate is concrete which will be very less. The waste will be utilised within site for internal roads, higher plinth and filling low laying areas. |
| Waste generation in the operation Phase: | Dry waste: | Paper bags: 21000 Nos./Y, Fibre Drum with Lids- 19632 Nos./Y, HDPE Drums -5220 Nos./Y |
| | Wet waste: | No wet waste is generated |
| | Hazardous waste: | Used/Spent oil- 900 lit/Y; Spent catalyst- 8000Kg/Y; Chemical sludge from wastewater treatment- 500 ton/Y; Salt Solution- 78 ton/Y; Contaminated cotton rags or other cleaning materials- 180kg/Y; Empty barrels/containers- 1680 Nos/Y |
| | Biomedical waste (If applicable): | No Bio-medical waste is generated |
| | STP Sludge (Dry sludge): | 0.32Ton/Y |
| | Others if any: | Not Applicable |
| Mode of Disposal of waste: | Dry waste: | Paper bags and fibre drums will be sold to Authorized recycler ; HDPE drums will be used to refill byproduct; STP sludge will be used as manure |
| | Wet waste: | Not Applicable |
| | Hazardous waste: | Used spent oil will be disposed off to Authorized Re-processor; Spent Catalyst, Chemical sludge from waste water and salt solution will be disposed to CHWTSDF , Contaminated cotton rags or other cleaning materials & Empty barrels/containers will be sent to Authorized recycler |
| | Biomedical waste (If applicable): | Not Applicable |
| | STP Sludge (Dry sludge): | Will be used as manure |
| | Others if any: | Not Applicable |
| Area requirement: | Location(s): | Near STP plant; Behind Boiler room |
| | Area for the storage of waste & other material: | Separate Hazardous Waste storage area, Segregated metallic scrap yard, Segregated paper and plastic scrap yard is made for storage of waste |
| | Area for machinery: | Not Applicable |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 1 lakh |
| | O & M cost: | 0.5 lakh |

| 29.Effluent Charecterestics | | | | | |
|---------------------------------------|------------|--|--------------------------------|---------------------------------|-------------------------------------|
| Serial Number | Parameters | Unit | Inlet Effluent Charecterestics | Outlet Effluent Charecterestics | Effluent discharge standards (MPCB) |
| 1 | pH | NA | 7.14 | 6.2 | 5.5-9.0 |
| 2 | TSS | mg/Lit | 87.0 | 12.0 | <=100.0 |
| 3 | BOD | mg/Lit | 6800.0 | <10.0 | <=100.011 |
| 4 | COD | mg/Lit | 24666.67 | 26.67 | <=250.0 |
| 5 | Sulphates | mg/Lit | 2015.0 | 4.10 | <1000 |
| 6 | Chlorides | mg/Lit | 7448.67 | 3.43 | <=600 |
| Amount of effluent generation (CMD): | | 14.2 CMD | | | |
| Capacity of the ETP: | | 16.0 CMD | | | |
| Amount of treated effluent recycled : | | 8.8 CMD | | | |
| Amount of water send to the CETP: | | Waste water generated in industry is recycled and used for various other processes, gardening etc. | | | |
| Membership of CETP (if require): | | Yes; Industry has obtained CETP membership | | | |
| Note on ETP technology to be used | | Industry has provided RO + MEE of capacity 16.0 CMD | | | |
| Disposal of the ETP sludge | | ETP sludge generated will be disposed to CHWTSDF | | | |



**Government of
Maharashtra**

| 30.Hazardous Waste Details | | | | | | | |
|---|--|------------------------------------|-----------|------------------------------|-----------------------|------------------------|---------------------|
| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
| 1 | Used/Spent Oil | 5.1 | Lit/Y | 800 | 100 | 900 | Autho. Re-processor |
| 2 | Spent catalyst/Spent carbon | 28.2 | Kg/Y | 3600 | 4400 | 8000 | CHWTSDF |
| 3 | Chemical Sludge from wastewater treatment | 35.3 | Ton./Y | 360 | 140 | 500 | CHWTSDF |
| 4 | Salt Solution | 26.1 | Ton/y | Nil | 78 | 78 | CHWTSDF |
| 5 | Contaminated cotton rags or other cleaning materials | 33.2 | kg/y | Nil | 180 | 180 | Authorized Recycler |
| 6 | Empty barrels/containers | 33.1 | Nos./y | Nil | 1680 | 1680 | Authorized Recycler |
| 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 | Boiler 750kg/Hr | Furnace Oil; 1450 Lit/Day | 1 | 19.5 | 0.254 | 137 | |
| 2 | Boiler+Thermopack 600 kg/Hr | LDO; 1000 Lit/Day | 1 | 18 | 0.254 | 110 | |
| 3 | Bromination/Chlorination | Not applicable | 1 | 6 | 0.1016 | 54 | |
| 4 | Imide Formation | Not Applicable | 1 | 4.5 | NA | NA | |
| 5 | Drying Section | Not Applicable | 1 | 4.5 | NA | NA | |
| 6 | D. G Set 160 KVA | Diesel | 1 | 3 | 0.1016 | 112 | |
| 7 | Boiler 1000kg/hr | Furnace Oil; 1728 Lit/Day | 1 | 28 | 0.300 | 180 | |
| 32.Details of Fuel to be used | | | | | | | |
| Serial Number | Type of Fuel | Existing | | Proposed | | Total | |
| 1 | Diesel | 37 Lit/Hr | | Nil | | 37 Lit/Hr | |
| 2 | L.D.O | 1000 Lit/Day | | Nil | | 1000 Lit/Day | |
| 3 | Furnace Oil | 1450 Lit/Day | | 1728 Lit/Day | | 3178 Lit/Day | |
| 33.Source of Fuel | | Industry /Market | | | | | |
| 34.Mode of Transportation of fuel to site | | Fuel is brought to site by tankers | | | | | |
| 35.Energy | | | | | | | |

| | | |
|---------------------------|--|---|
| Power requirement: | Source of power supply : | MSEDCL |
| | During Construction Phase: (Demand Load) | Not applicable as industry is already under operation |
| | DG set as Power back-up during construction phase | Industry is having D. G. Set of 160KVA (Existing DG Set of 62.5 KVA shall be replaced by 160 KVA) |
| | During Operation phase (Connected load): | 140 KW |
| | During Operation phase (Demand load): | 150 KW (Existing -120 KW +Proposed 30 KW) |
| | Transformer: | 200 KVA |
| | DG set as Power back-up during operation phase: | 160 KVA (Existing DG Set of 62.5 KVA shall be replaced by 160 KVA) |
| | Fuel used: | 37 Lit/Hr |
| | Details of high tension line passing through the plot if any: | No |

Energy saving by non-conventional method:

Halides Chemicals have taken the effort to use natural resources available such as solar heat and light. They have installed solar water heating system which gives heated water for boiler input so that the fuel load of the boiler reduces thereby reducing the pollution. The industry is also using solar street light to lighten up the internal road.

36.Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|---------------------------------|----------|
| 1 | Reduction in energy consumption | 8-10% |
| 2 | Reduce in fuel consumption | 10-11% |

37.Details of pollution control Systems

| Source | Existing pollution control system | Proposed to be installed |
|---------------------------|---|--------------------------|
| DG Set 160 KVA | Acoustic enclosure with adequate height | Not applicable |
| Boiler 1 [750 kg/hr] | Adequate height | Not applicable |
| Boiler +Thermopack 600 kg | Adequate height | Not applicable |
| Chlorine Section | Leakage Alarm System | Not applicable |
| Bromine Section | Leakage Alarm System | Not applicable |
| Boiler 1000kg/hr | Adequate height | Not applicable |

| | | |
|--|------------------------|---------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 1320000 |
| | O & M cost: | 50000 |

38.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 as industry is already under operation | 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 System | Existing +Proposed cost | 15 | 1 |
| 2 | Water Pollution Control Systems (ETP + STP) | Existing +Proposed Cost | 85.0 | 6 |
| 3 | Noise Pollution Control | Existing +Proposed | 9.0 | 0.50 |
| 4 | Green Belt Development / Maintenances | Existing +Proposed | 2.0 | 0.25 |
| 5 | Environmental Monitoring/Environmental Management | Existing +Proposed | 0.00 | 2.0 |
| 6 | Occupational health and safety | Existing +Proposed | 4.0 | 1.5 |
| 7 | Solid Waste Management | Existing +Proposed | 1.0 | 0.5 |
| 8 | Rain Water Harvesting | Existing +Proposed | 1.0 | 0.12 |
| 9 | Energy Saving Measures | Existing +Proposed | 13.20 | 0.50 |

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

| Description | Status | Location | Storage Capacity in MT | Maximum Quantity of Storage at any point of time in MT | Consumption / Month in MT | Source of Supply | Means of transportation |
|------------------------|--------|-----------------------|------------------------|--|---------------------------|------------------|-------------------------|
| Acetic Acid | Liquid | Proposed Storage | 2.0 | 2.0 | 2.9 | Industry/Market | By Road |
| Chlorine | Gas | 900kg Tonner | 0.9 | 0.9 | 5.35 | Industry/Market | By Road |
| OTBN | Solid | RM Store | 9.0 | 9.0 | 40.3 | Industry/Market | By Road |
| AIBN | Solid | RM Store | 0.1 | 0.1 | 1.35 | Industry/Market | By Road |
| Propionic Acid | Liquid | RM Store | 5.0 | 5.0 | 15.74 | Industry/Market | By Road |
| Red Phosphorous | Solid | RM Store | 1.0 | 1.0 | 1.59 | Industry/Market | By Road |
| Phosphorous Tribromide | Liquid | RM Store | 1.0 | 1.0 | 9.9 | Industry/Market | By Road |
| n-Hexanol | Liquid | RM Store | 1.0 | 1.0 | 13.02 | Industry/Market | By Road |
| Acetyl Bromide | Liquid | RM Store | 1.0 | 1.0 | 13.62 | Industry/Market | By Road |
| Tert Butanol | Liquid | RM Store | 5.0 | 5.0 | 7.6 | Industry/Market | By Road |
| H3PO3 | Solid | RM Store | 2.0 | 2.0 | 4.0 | Industry/Market | By Road |
| Diesel | Liquid | DG Set Tank | 0.4 | 0.4 | 08 | Industry/Market | By Road |
| Furnace Oil | Liquid | FO Tank | 10.0 | 10.0 | 45.0 | Industry/Market | By Road |
| LDO | Liquid | LDO Storage | 5.0 | 5.0 | 10.0 | Industry/Market | By Road |
| Methylene Dichloride | Liquid | Near HBr Storage Tank | 10.0 | 10.0 | 59.24 | Industry/Market | By Road |
| Caustic Soda Iye | Solid | Storage Tank | 17.0 | 17.0 | 22.75 | Industry/Market | By Road |

| | | | | | | | |
|---------------------------------|-------------------|-----------------------|-------|-------|-------|-----------------|---------|
| Ethylene Dichloride | Liquid | Storage Tank | 12.5 | 12.5 | 10.69 | Industry/Market | By Road |
| Sulphuric Acid | Liquid | Storage Tank | 10.0 | 10.0 | 21.66 | Industry/Market | By Road |
| Succinic Acid | Solid | Proposed Shed | 20 | 20 | 82.56 | Industry/Market | By Road |
| Iodine | Crystalline Solid | Proposed Shed | 0.5 | 0.5 | 3.6 | Industry/Market | By Road |
| Liquid Bromine | Liquid | Proposed Storage Shed | 10.80 | 10.80 | 87.45 | Industry/Market | By Road |
| Sodium Bromate | Solid | Proposed Storage Shed | 4.0 | 4.0 | 26.4 | Industry/Market | By Road |
| Succinimide | Solid | Proposed Storage | 5.0 | 5.0 | 67.12 | Industry/Market | By Road |
| 40.Any Other Information | | | | | | | |
| No Information Available | | | | | | | |



Government of Maharashtra

| | | |
|--|--|--------------------------------------|
| | CRZ/ RRZ clearance obtain, if any: | Not Applicable |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | No protected areas near project site |
| | Category as per schedule of EIA Notification sheet | Category B: 5 (f) |
| | Court cases pending if any | Not Applicable |
| | Other Relevant Informations | Not Applicable |
| | Have you previously submitted Application online on MOEF Website. | Yes |
| | Date of online submission | 24-08-2017 |

3. The proposal has been considered by SEIAA in its 163rd 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:

| | |
|------------|--|
| I | PP to submit design details of the scrubber to achieve out let exposure levels of bromine gas below the TLV level. |
| II | PP proposes zero liquid discharge. therefore PP to ensure that no effluent is discharged to the CETP. |
| III | PP to include water foot print and carbon foot print monitoring in the EMP. |
| IV | PP to prepare and implement CER plan in consultation with the District Authorities as mentioned in the OM dated 01.05.2018 |
| V | PP to ensure to comply with the conditions stipulated in the Office Memorandum issued by MoEF&CC dated 9th August, 2018. |
| VI | PP to submit CER plan to collector Pune and submit the acknowledgement copy to submitted to Member Secretary, SEIAA. |

General Conditions:

| | |
|-------------|--|
| I | (i)PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP. |
| II | No additional land shall be used /acquired for any activity of the project without obtaining proper permission. |
| III | PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment. |
| IV | Proper Housekeeping programmers shall be implemented. |
| V | 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. |
| VI | A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable). |
| VII | A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water. |
| VIII | Arrangement shall be made that effluent and storm water does not get mixed. |
| IX | 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. |
| X | 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. |

| | |
|--------------|---|
| XI | 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. |
| XII | 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. |
| XIII | 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. |
| XIV | 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 http://ec.maharashtra.gov.in |
| 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 ₂ , NO _x (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. |

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

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

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

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

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

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

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

Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

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