

ENVIRONMENTAL  
CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive,  
and Virtuous Environmental Single-Window Hub)



Government of India  
Ministry of Environment, Forest and Climate Change  
(Issued by the State Environment Impact Assessment  
Authority(SEIAA), GUJARAT)

To,

The Authorized Signatory  
REAL ENVIRONMENT ENTERPRISES PRIVATE LIMITED  
871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara -390010

**Subject:** Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/GJ/INFRA2/416627/2023 dated 27 Feb 2023. The particulars of the environmental clearance granted to the project are as below.

- |  |  |
|--|--|
| 1. EC Identification No.                   | EC23B032GJ151215   |
| 2. File No.                                | SIA/GJ/INFRA2/416627/2023  |
| 3. Project Type                            | New  |
| 4. Category                                | B  |
| 5. Project/Activity including Schedule No. | 7(d) Common hazardous waste treatment, storage and disposal facilities (TSDFs) |
| 6. Name of Project                         | M/s Real Environment Enterprises Pvt. Ltd.                                     |
| 7. Name of Company/Organization            | REAL ENVIRONMENT ENTERPRISES PRIVATE LIMITED                                   |
| 8. Location of Project                     | GUJARAT  |
| 9. TOR Date                                | N/A  |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 08/11/2023

(e-signed)  
Asav P. Gadhvi  
Member Secretary  
SEIAA - (GUJARAT)

*Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.*

*This is a computer generated cover page.*



No. SEIAA/GUJ/EC/7(d)/1384 /2023

Date: 07 NOV 2023

By R P A D  
Time Limit

Sub: Environment Clearance to M/s. Real Environment Enterprises Pvt. Ltd. for setting up of manufacturing plant for 'Common Hazardous Waste Treatment, Storage and Disposal Facility (TSDF)' at Survey / Block No 65, 66, 76, 77, 78, 79, 80 & 81, Village Porda, Taluka Dasada, Dist. Surendranagar. In Category 7(d) of Schedule annexed with EIA Notification dated 14/09/2006.

Ref: Your Proposal No. SIA/GJ/INFRA2/416627/2023.

Dear Sir,

This has reference to your application along with EIA report dated 08/02/2023 submitted to SEIAA, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006.

The proposal is for Environmental Clearance to M/s. Real Environment Enterprises Pvt. Ltd. for setting up of manufacturing plant for 'Common Hazardous Waste Treatment, Storage and Disposal Facility (TSDF)' at Survey / Block No 65, 66, 76, 77, 78, 79, 80 & 81, Village Porda, Taluka Dasada, Dist. Surendranagar. It is a proposed Common Hazardous waste Treatment, Storage and Disposal Facility(TSDF), which falls in the category - 7(d) of the schedule of the EIA Notification-2006:

S. No.	Product	CAS Number	Capacity, TPM	End use
1	Secured Landfill (Direct Landfill and Landfill with treatment)	--	~50 Lakh MT to be developed in phasewise manner in three cells-Cell 1, 2 and3 (Phased Manner) Waste Input-650TPD	--
2	Stripper with MEE	--	15KLperhr.	
3	Spray Dryer	--	100 KLD	
4	Drum Decontamination Facility	--	~1.5Lakh barrels per annum	
5	Pre-Processing Facility	--	80,000MT/Annum	
	<b>Total</b>			

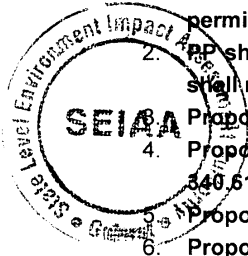
The project activity is covered in 7(d) and is of 'B' Category. Public Hearing was Carried out by Gujarat Pollution Control Board dated 22/12/2022.

The SEAC, Gujarat vide their letter dated 07/08/2023 & 22/09/2023 had recommended to the SEIAA, Gujarat, to grant the Environment Clearance for the above-mentioned project based on its meeting held on 11/07/2023 & 11/09/2023. The proposal was considered by SEIAA, Gujarat in its meeting held on 23/08/2023 & 16/10/2023 at Gandhinagar. After careful consideration, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14<sup>th</sup> September, 2006 subject to the compliance of the following conditions.

**A.CONDITIONS :**

**A.1SPECIFIC CONDITION :**

1. Proponent shall submit NA permission for remaining four survey Numbers of i.e. 76, 77, 78 & 80. The NA permission of this four S. No. shall be submitted to this office.
2. Proponent shall provide P+S+T treatment for generated wastewater and strictly adhere to Zero liquid discharge & there shall not be any wastewater discharge outside premises.
3. Proponent shall submit copy of Notification of TSDF site from Forest & Environment department
4. Proponent shall provide intermediate collection tank of having capacity of 48 m3/day & final collection tank of 440.61 m3/day capacity in their plant premises for storage of Treated wastewater.
5. Proponent shall strictly comply of all activities as mentioned in Public Hearing proceeding.
6. Proponent shall carry out inspection of sub-committee of CPCB, GPCB & expert for the compliance of sitting criteria. Prior notification of site as per the provisions of Hazardous Waste Rule- 2016 & its amendment.

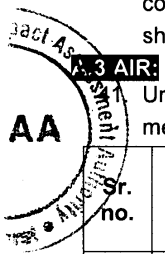


7. The above EC granted is provisionally, which will be valid, only after the TSDF Notification from State Government.
8. Proponent shall obtain Consent to establish (CTE) from GPCB as per GPCB circular dated 15.10.2022.
9. PP shall carry out any activities for landfill only as per EC notification & no any integrated facilities development having incineration etc. as per provisions of EIA notification & its amendment.
10. Project proponent shall start project activity only after obtaining the Notification of proposed site as per the Hazardous and Other wastes (Management and Transboundary Movement) Rules 2016.
11. Project proponent shall have to provide waste stabilization/solidification facility, a laboratory capable of Finger printing analysis, mechanized operation of transportation and handling of wastes with trained manpower at Site.
12. Adequate number of vents shall be installed during post closure period of the Cell & monitoring program for emission of vent gases shall be prepared & records shall be maintained.
13. Ground water table at the project site shall be ascertained through the GWRDC (Gujarat Water Resources Development Corporation) before initiating construction of secured landfill site. The depth of the secured land fill site shall be decided based on the ground water level at the site and bottom of the secured landfill site shall be kept at least 2 m above the ground water table.
14. Construction of the secured landfill site shall be undertaken meticulously keeping in view the existing natural drainage pattern of the site to ensure that the natural drainage is not affected. All construction designs/drawings relating to the proposed landfill site must have approvals of reputed institutes like NPC / IIT.
15. The proponent shall ensure that design and construction of secured landfill site is as per the guidelines of CPCB with proper leachate collection arrangement.
16. Project proponent shall have to strictly adhere to and comply with the Guidelines / Manuals published by the different authorities for Construction and safe operation of the Hazardous Waste TSDF sites like (a) Criteria for Landfills (b) Manual for design, construction and quality control of liners and covers of Hazardous Waste Landfills (c) Guideline for proper functioning and upkeep of disposal site (d) Guideline for transportation of Hazardous Waste (e) Guideline for setting up and operating facility along with the instruction and stipulation issued time to time for the safe handling, construction and operating of Hazardous Waste TSDF Sites.
17. Project proponent shall have to follow the Guideline for Transportation, Storage, Handling and Labeling of Hazardous Waste published by CPCB.
18. The proponent shall ensure that the transportation of the Hazardous wastes to the TSDF conforms to the norms laid in the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.
19. Project proponent shall ensure that wastes with organic content > 5% of degradable organic matters are not disposed in to the landfill. However, required arrangement for collection, treatment and disposal of gases from the secured landfill, if any, shall be provided.
20. The Facility shall only handle the waste generated from the member units.
21. The project proponent shall set up necessary facility for on-site testing of wastes to decide the requirement of treatment if any, before disposal.
22. Project proponent shall carryout periodical ground water/soil monitoring in and around the site to check the contamination including TCLP test for heavy metals.
23. The third party assessment on functioning of the TSDF shall be carried out through a reputed institute like NPC, IIT or any academic / research institute of similar repute once in a year and mitigation measures as may be suggested by such institute shall be implemented in consultation with the Gujarat Pollution Control Board.
24. All measures shall be taken to prevent soil and ground water contamination.
25. The project proponent shall submit the detailed study report to Gujarat Pollution Control Board (GPCB) at least once in a year comprising details of percolation rate of surface water, ground water analysis and observations of contamination to soil & ground water (If any) and mitigation measures to curb ground water & Soil contamination.
26. The project proponent shall transport Hazardous waste through authorized dedicated Vehicles with GPS (Global Positioning System) enabled system and in line with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.
27. PP shall obtained permission under Rule-9 of Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 for drum decontamination facility.

#### **A. 2 WATER :**

28. Total water requirement for the project shall not exceed 470 KLD. Unit shall reuse 239 KLD of treated industrial effluent within premises. Hence, fresh water requirement shall not exceed 231 KLD and it shall be met through borewell water supply only. Prior permission from concerned authority for withdrawal of water shall be obtained.
29. The quantity of acceptance of industrial effluent (for MEE & spray drying) from members units shall not exceed 200 KLD.
30. The industrial effluent generation from the project shall not exceed 179 KLD.
31. Management of Industrial effluent shall be as under:

- > 179 KLD industrial effluent generated from washing/cleaning(plant/vehicles) from decontamination & pre processing, scrubber, cooling tower, boiler, lab and leachate, 11 KLD domestic effluent along with 161 KLD MEE-1 condensate (i.e common MEE) shall be treated in Primary and secondary ETP followed by RO/UF.
  - > 158 KLD UF/RO permeate shall be reused within premises and 182 KLD RO reject shall be treated in MEE-2.
  - > 176 KLD MEE-2 condensate shall be reused within premises.
32. Complete Zero Liquid Discharge [ZLD] status shall be maintained all the time and there shall be no drainage connection from the premises.
33. Unit shall feed wastewater to in-house MEE only after ensuring content of effluent for COD/VOC so as not to get air borne during evaporation in order to achieve no adverse impacts on Environment and Human Health.
34. Treated wastewater shall be subjected to in-house spray dryer only after achieving inlet norms prescribed by GPCB ensuring content of effluent for COD so as not to get air borne during spray drying after APCM in order to achieve no adverse impacts on Environment and Human Health.
35. Unit shall provide ETP, UF/RO & MEE-1 & 2 and spray dryer with adequate capacity.
36. Adequate leachate collection system shall be provided to collect the leachates at a collection point.
37. Domestic wastewater generation shall not exceed 11 KL/Day for proposed project and it shall be treated in ETP. It shall not be disposed off into soak pit.
38. There shall be no discharge of waste water or any type of Hazardous waste inside or outside the premises through illegal manner in any case.
39. The unit shall provide metering facility at the inlet and outlet of ETP, UF/RO & MEE-1 & 2 and spray dryer and maintain records for the same.
40. Proper logbooks of quantities and qualities of leachate from secured landfill site, floor/vehicle washing waste water, disposal of effluent; ETP, UF/RO & MEE-1 & 2 and spray dryer; reuse/ recycle of treated/ untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.



Unit shall not exceed fuel consumption for Boiler for MEE, Hot Air Gas Generator, Fire engine pump and D G Sets as mentioned below.

Sr. no.	Source of emission With Capacity	Stack Height (meter)	Type of Fuel	Quantity of Fuel	Type of emissions i.e. Air Pollutants	Air Pollution Control Measures (APCM)
1	DGSet - 2 Nos. (1W+1S)	10	HSD	350 LPH	PM,SO2, NOx	Adequate Stack Height + Acoustic Enclosure
2	Boiler for MEE – 2Nos. (1W+1S)	35	ImportedCoal/Agro Briquette	60 MTPD	PM,SO2, NOx	Multi Cyclone Separator + Bag Filter + water scrubber
3	HAG (HotAirGas Generator)	35	ImportedCoal/Agro Briquette	20 MTPD	PM,SO2, NOx	Multi Cyclone Separator + Bag Filter + Water Scrubber
4	StandbyFireEnginepump	10	HSD	11LPH	PM,SO2, NOx	Adequate Stack height
5	D.G Set for pre-processing facility (150 kVA)	10	HSD	40 LPH	PM,SO2, NOx	Adequate Stack Height +AcousticEnclosure

42. PP shall use approved fuels only as fuel in Boiler for MEE, Hot Air Gas Generator, Fire engine pump and D G Sets.
43. Unit shall provide adequate APCM with flue gas generation sources to achieve the norms prescribed by GPCB.
44. Unit shall provide adequate APCM with process gas generation sources as mentioned below.

Sr No	Specific Source of emission (Name of the Product & Process)	Type of Emission	Stack/Vent Height (meter)	Air Pollution Control Measures (APCM)
1	Spray Dryer (100 KLD)	PM, SO2,NOx	35	Multi Cyclone Separator + water scrubber
2	Drum Decontamination	SO2, Cl2, HCl, VOC	11	Alkali water scrubber
3	Process/ManufacturingArea – 2 Vents – For Solid ShedandforLiquid Shed Building (For pre-processing facility)	HCl,SO2	15	Acid andAlkaliFumeScrubbing System – Double Stagescrubbing

45. The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission.
- Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.
  - Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.
  - A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.
46. Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.
47. Regular monitoring of groundlevel concentration of SO<sub>2</sub>, NO<sub>x</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, HCl, Cl<sub>2</sub> and VOCs shall be carried out in the impactzone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.
48. All transporting routes within the premises shall have asphalt roads to minimize fugitive emission.

#### **A.4 SOLID / HAZARDOUS WASTE:**

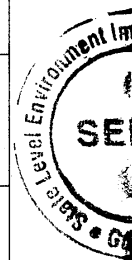
49. All the hazardous/ solid waste management shall be taken care as mentioned below.

Sr. no.	Type/Name of Hazardous waste	Specific Source of generation (Name of the Activity, Product etc.)	Category and Schedule as per HW Rules.	Quantity (MT/Annum)	Management of HW
1	Used / Waste / Spent Oil	Plant and Machineries	5.1	1 TPA	Will be sent to GPCB registered re-processor/ recycler
2	Discarded Bags/ Drums/ barrels/containers	Material storage	33.1	500 Nos./day (1 No.=0.5 Kg) 43 TPA	In-situ decontamination followed by sale to third parties for reuse/ Ex-situ sale to authorized recyclers for sale to third party for reuse.
3	ETP Sludge	From ETP	35.3	145 MTPA	Will be disposed in to in-house TSDF OR to authorized TSDF
4	Salt (Spray Dryer)	Spray dryer	35.3	8250 MTPA	Will be disposed in to in-house TSDF OR to authorized TSDF
5	Spent ML from Stripper	stripper	26.3	2970MTPA	Will be disposed to CHWIF/ Co-processing facility
6	MEE salts	From MEE	35.3	2160 MTPA	Will be disposed in to in-house TSDF OR to authorized TSDF
7	Used oil	From pre-processing	5.1	5 MTPA	Will be sent to GPCB registered re – processor/ recycler.
8	Scrubbing media from scrubber	Scrubber from pre-processing	28.1	8 MTPA	Will be disposed in to in-house TSDF OR to authorized TSDF

#### **NON-HAZARDOUS WASTE MANAGEMENT MATRIX**

Sr. no.	Type/Name of non-hazardous waste	Specific Source of generation (Name of the Activity, Product etc.)	Quantity (MT/Annum)	Management of HW
1	Fly Ash	From bottom of APCM and boiler bottom	--	5300 MTPA

50. Authorized end-users shall have permissions from the concerned authorities under the Rule 9 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.
51. The proponent shall ensure that the TSDF fulfils all the provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 and the design and construction of secured landfill site is as per the guidelines of CPCB with proper leachate collection arrangement.
52. Temporary hazardous waste storage area having impervious bottom and roof cover shall be provided as proposed.



53. The project proponent shall not store the hazardous wastes more than the quantity that has been permitted by the CPCB / Gujarat State Pollution Control Board (GPCB).
54. The main operational site shall be kept covered by tarpaulin with separate rain water collection system during monsoon period.
55. Project proponent shall explore possibilities with respect to reduction and reuse of hazardous waste generated by member units and received at the project site.
56. All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF. This shall be ensured by TSDF management through continuous monitoring of member industries, guidance & training programs.

**A. 5 OTHER:**

57. The project proponent shall carry out the activities of amount of Rs. 4.65 Crores [Solar street lights for self-sustaining Green technology and Rooftop Solar panel for Anganwadi, Primary schools and health centres at Nani Majethi, Moti Majethi, Kamalpur & Porda, Tree Plantation (Community plantation) at Nani Majethi, Moti Majethi, Kamalpur & Porda, Safe drinking water – Bore well & RO system at Nani Majethi, Moti Majethi & Kamalpur, Upgradation of school infrastructure (Renovation, compound wall, Printers & Projectors) at Nani Majethi, Moti Majethi, Porda, Kamalpur, Supply & Fixing of CC Precast interlocking paving blocks in village at Nani Majethi, Moti Majethi, Porda, Kamalpur, Skill development training to Farmers at Nani Majethi, Moti Majethi, Porda, Kamalpur] proposed under CER and it shall be part of the Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.III dated 30.09.2020. This shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent. As proposed, at least Rs. 4.55 Lakhs shall be allocated for the conservation plan Schedule- I species. The activities and the action plan proposed by the project proponent to address the socio-economic and public hearing issues in the study area, shall be completed as per the schedule presented before the Committee and as described in the EMP report in letter and spirit.
58. All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. Ramans Enviro Services Pvt. Ltd. and submitted by the project proponent and commitments made during presentation before SEAC and proposed In the EIA report shall be strictly adhered to in letter and spirit.

**B. GENERAL CONDITIONS:**

**B.1 CONSTRUCTION PHASE:**

59. Water demand during construction phase shall be reduced by use of curing agents, super plasticizers and other best construction practices.
60. Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.
61. All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.
62. First Aid Box shall be made readily available in adequate quantity at all the times.
63. The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and Gujarat rules made there under and their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.
64. Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during construction phase.
65. Use of Diesel Generator (DG) sets during construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.
66. Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.
67. All topsoil excavated during construction activity shall be used in horticultural / landscape development within the project site.
68. Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighbouring communities.
69. Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete [RMC] and lead free paints in the project.
70. Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.
71. "Wind – breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 meters shall be provided. Individual building within the project site shall also be provided with barricades.



72. "No uncovered vehicles carrying construction material and waste shall be permitted."
73. "No loose soil or sand or construction & demolition waste or any other construction material that cause dust shall be left uncovered. Uniform piling and proper storage of sand to avoid fugitive emissions shall be ensured."
74. Roads leading to or at construction site must be paved and blacktopped (i.e. – metallic roads).
75. No excavation of soil shall be carried out without adequate dust mitigation measures in place.
76. Dust mitigation measure shall be displayed prominently at the construction site for easy public viewing.
77. Grinding and cutting of building materials in open area shall be prohibited.
78. Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.
79. Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site. (If applicable).

## **B.2 OPERATION PHASE:**

### **B.2.1 WATER:**

80. The water meter shall be installed and records of daily and monthly water consumption shall be maintained.
81. Industry should provide separate dedicated washing area for hand washing/bathing of worker and the waste water generated from the same should be taken into ETP.
82. All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT).
83. The unit shall continuously strive to reduce, recycle and reuse the treated effluent.
84. The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.

### **B.2.2 AIR:**

85. Acoustic enclosure shall be provided to the DG sets (If applicable) to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.
86. Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.
87. Adequate Air Pollution Control Measures [APCM] shall be provided.
88. Flue gas emission & Process gas emission (Whichever is applicable) shall conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.
89. All the reactors / vessels used in the manufacturing process shall be closed to reduce the fugitive emission. (wherever feasible)
90. The unit shall adhere to Sector specific guidelines/ SOP published by GPCB / CPCB from time to time for effective fugitive emission control. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
91. Unit shall take adequate measures to control odor nuisance from the industrial activities which may include measures like-use of masking agent with atomizer system (water curtain), closed / automatic material handling system, containment of the odor vulnerable areas etc.
92. Unit shall provide Wall to Wall carpeting in vehicle movement areas within premises to avoid dusting.

### **B.2.3 HAZARDOUS/SOLID WASTE:**

93. The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection / treatment / storage / disposal of hazardous wastes.
94. Unit shall carry out transportation of hazardous wastes through GPS mounted vehicles only for disposal at TSDF/CHWIF, co-processing and end-users having Rule-9 permission.
95. The by-products which fall under the purview of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 shall be handled as per the said rules and necessary permissions from the concern authority shall be obtained.
96. Unit shall submit the list of authorized end users of above mentioned wastes along with MoU signed with them at least two months in advance prior to commencement of production. In absence of potential buyers of these items, the unit shall restrict the production of respective item.
97. Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.
98. The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)
99. Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988, and rules made there under.
100. The design of the Trucks/tankers shall be such that there is no spillage during transportation.





### **B.2.5 NOISE:**

133.The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.

### **B.2.6 GREEN BELT AND OTHER PLANTATION:**

134.The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC / GPCB and submit an action plan of plantation for next three years to the GPCB.

135.Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.

136.The PP shall develop green belt [59,269 Sq m (23.45 %) inside plant premises + 24,000 Sq m (9.8%) along the approach road of nani majethi at Kamalpur = Total: 83269 Sq. m.] i.e. 33.25 % of total plot area] as submitted before SEAC. Green belt shall be developed with native plant species that are significant and used for the pollution abatement as per the CPCB guidelines. It shall be implemented within 3 years of operation phase in consultation with GPCB.

### **B.3 OTHER CONDITION:**

137.Project proponent shall obtain necessary Consents/ Authorization from the Gujarat Pollution Control Board.

138.A separate Environment Management Cell equipped with full fledged testing laboratory facilities shall be set up to carry out the Environment Management and Monitoring functions.

139.In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.

140.The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.

141.Project proponent shall comply with all the provisions of CPCB guidelines for TSDF as may be applicable from time to time.

142.Project proponent shall maintain accurate records of their member units in respect of quantity of each product manufactured, quantities and qualities of waste generated, booked & supplied to the TSDF on day to day basis and submit the compiled records to the GPCB on monthly basis.

143.Project proponent shall ensure that each & every member unit renews the agreement / membership on/before expiry of said agreement / membership and shall inform the GPCB about any unit not renewing the agreement / membership within stipulated period. Project proponent shall immediately inform the Gujarat Pollution Control Board about termination or suspension of membership of any member unit.

144.Project proponent shall instruct and make sure that each member unit provides hazardous waste storage area having adequate retention time.

145.Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.

146.Good house keeping shall be maintained within the premises. All pipes, valves and drains shall be leak proof. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal through common MEE at BEIL, Dahej.

147.During effluent transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with storm water.

148.Necessary measures shall be taken to prevent contamination of storm water from wastes / effluent handled at site. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.

149.Project proponent shall intimate the GPCB about occurrence of any accident, act or event resulting in discharge of poisonous, noxious or polluting matter or the likelihood of the same into a stream or land or well.

150.The funds earmarked for environment protection measures should be maintained in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported.

151.Project proponent shall assign specific budget for socio-economic upliftment of the surrounding villages and shall undertake eco-developmental measures including community welfare program most useful in the project area for the overall improvement of the environment in consultation with the District Development Officer / District Collector.

152.Project proponent shall comply with all the recommendations as well as the environmental protection measures and risk mitigation measures/safeguards proposed in the REIA Report, Risk Assessment Report & Disaster Management Plan of the project.

153.No further expansion or modifications in the TSDF likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.

154.In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the SEIAA / SEAC.

155.Project proponent shall thrive to obtain the ISO 14001 and OSHAS 18001 certification.

156.The project management shall extend full support to the officers of MoEF&CC / CPCB / GPCB during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of

- mitigation measures and other environmental protection activities.
157. A six monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of the MoEF&CC and SEIAA regarding the implementation of the stipulated conditions.
  158. The project proponent shall inform the Regional Office of MoEF&CC at Bhopal as well as the SEIAA, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work
  159. The Project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.
  160. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
  161. The project proponent shall have to comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.
  162. Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.
  163. The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.
  164. All the commitments / undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.
  165. The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.
  166. Unit shall comply provisions of MoEF&CC's O.M. No. 22-65/2017-IA.III dated 01/05/2018 regarding Corporate Environment Responsibility (CER). Fund allocation for Corporate Environment Responsibility (CER) shall be made as per the said OM dated 01/05/2018 for various activities therein. Item-wise details along with time bound action plan shall be prepared and submitted to the concern authorities.
  167. Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no. F. No. 22-34/2018-IA.III dated 09/08/2018 for Pharmaceutical and Chemical industries mentioned at (Sr. no. XX). The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, the Construction and Demolition Waste Management Rules, 2016 and the Plastics Waste Management Rules, 2016 shall be followed.
  168. Rain water harvesting (Off-site) shall be undertaken to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter. (Applicable for units consuming ground water  $\geq$  50 KLD in line with the prevailing guidelines of SPCB).
  170. The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the Industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.
  171. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.
  172. The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.
  173. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
  174. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
  175. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
  176. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
  177. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.
  178. This environmental clearance is valid for Ten years from the date of issue.
  179. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
  180. Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.

**B.4 COMPLIANCE OF ENVIRONMENT CLEARANCE/REPORTING/ADMINISTRATION/APPEAL:**

181. Project proponent shall inform to all the concerned authorities including Municipal Corporation and District Collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the Environment Clearance order accorded.

