



File No: SEAC/GJ/IND1/542754/136207/2025

Government of India

Ministry of Environment, Forest and Climate Change

(Issued by the State Environment Impact Assessment Authority(SEIAA),
GUJARAT)



Date 19/09/2025



To,

Kannankavil Thathyarat Ramesh Kumar
Welspun Di pipes limited

Survey no. 633, 632, 617, 618, Welspun city, Village: Varsamedi, Taluka: Anjar, District: Kutch,
Gujarat, Survey no. 633, 632, 617, 618, Welspun city, Village: Varsamedi, Taluka: Anjar, District:
Kutch, Gujarat, KACHCHH, GUJARAT, 370110
dipipeswelspun@gmail.com

Subject: Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding.

Sir/Madam,

This is in reference to your application submitted to SEIAA vide proposal number SIA/GJ/IND1/542754/2025 dated 05/07/2025 for prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25B1011GJ5674732N
(ii) File No.	SEAC/GJ/IND1/542754/136207/2025
(iii) Clearance Type	Fresh EC
(iv) Category	B1
(v) Project/Activity Included Schedule No.	3(a) Metallurgical Industries (ferrous and non ferrous)
(vii) Name of Project	M/s. Welspun DI Pipes Ltd.
(viii) Name of Company/Organization	Welspun Di pipes limited
(ix) Location of Project (District, State)	KACHCHH, GUJARAT
(x) Issuing Authority	SEIAA
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

Sub: Environment Clearance to M/s. Welspun DI Pipes Ltd. at Survey No. 617, 618, 632 & 633, Welspun City, Village: Varsamedi, Taluka: Anjar, District Kutch, Gujarat. In Category 5(f) of Schedule annexed with EIA Notification dated 14/09/2006.

Ref: Your Proposal No. SIA/GJ/IND1/542754/2025.

Dear Sir,

This has reference to your application along with Form-1 dated **25-06-2025**, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006.

The proposal is for Environmental Clearance to **M/s. Welspun DI Pipes Ltd. at Survey No. 617, 618, 632 & 633, Welspun City, Village: Varsamedi, Taluka: Anjar, District Kutch, Gujarat**. This is an existing unit and now proposed for expansion in manufacturing plant of secondary metallurgical processing industry (non-toxic metals), which falls in the category – 3(a) of the schedule of the EIA Notification-2006:

Sr. No.	Name of facility	Quantity (MMTPA)		
		Existing	Proposed	Total
1	DI Pipe Plant (Including Induction Furnaces, Converter, Centrifugal Casting Machine, Annealing Furnace, Finishing Line.)	0.5	0.1	0.6

Brief Note of product profile

1. No. of Manufacturing plant: 01

The project activity is covered in 3(a) and applied as per the provision of MoEF&CC OM dated 11-04-2022. The public consultation is exempted as PP has applied under provisions of MoEF&CC Office Memorandum dated 11-04-2022.

The SEAC, Gujarat vide their MoM dated **04-08-2025** had recommended to the SEIAA, Gujarat, to grant the Environment Clearance for the above-mentioned project based on its **1143rd Part-A** meeting held on **16-07-2025**. The proposal was considered by SEIAA, Gujarat in its **341st** meeting held on **25-08-2025** at Gandhinagar. The minutes of the meeting and all the project documents are available on PARIVESH portal, which can be accessed from the PARIVESH portal by scanning the QR Code above.

After detailed discussion & deliberation and accepting SEAC recommendation, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14th September, 2006 and its amendment subject to the compliance of the following conditions.

A.CONDITIONS :

A.1SPECIFIC CONDITION :

1. PP shall provide in-house ETP for the treatment of effluent and discharge treated effluent confirming to the norms specified by GPCB under the Water Act - 1974.
2. Grant Environmental Clearance – Expansion by the SEIAA to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project.
3. As per the MoEF&CC Office Memorandum dated 14-06-2024, PP shall upload Half-Yearly EC Compliance report strictly through the dedicated module of Parivesh 2.0.
4. As per the MoEF&CC Office Memorandum dated 24-07-2024, PP shall do plantation of saplings in the earmarked greenbelt area as a part of the tree plantation campaign "Ek Ped Ma Ke Naam" and the details of the same shall be uploaded in the MeriLiFE Portal (<https://merilife.nic.in>).
5. PP shall obtain requisite permission/membership from hazardous waste common facility and/or to ink an MoU with end user/s having valid permission including but not limited to CC&A, Rule-06/09 under H&OWM Rules to comply with the mode of disposal approved in EC for each category of Hazardous Waste, as applicable. PP shall comply with the provisions of H&OW Management Rules.
6. PP shall comply with the provisions of Gujarat Occupational Safety, Health and Working Conditions Rules 2025.

7. Requisite Fire & Safety arrangements shall be place at any cost by PP as per the prevailing norms. Periodic mock-drill shall also be carried out as per the prevailing norms. Competent Authority shall ensure that Fire & Safety arrangements are provided and functional at all the time.
8. PP shall also obtain requisite permission of PESO, as applicable.
9. PP shall provide adequate storage capacity for raw and treated effluent to accommodate Force majeure events.
10. Adequacy of provided EMS may be checked while issuance of CC&A by GPCB.
11. Project proponent shall comply with all conditions mentioned in MoEF&CC's OM No: IA3-22/10/2022-IA.III (E 177258) dated: 11.04.2022.
12. PP shall comply with all conditions mentioned in notarized undertaking dated: 26.07.2025 regarding provisions of MoEF&CC's OM dated: 11.04.2022.
13. The National Ambient Air Quality Emission Standards issued by the Ministry vide G. S. R. No. 826 (E) dated 16th November, 2009 shall be complied with.
14. Unit shall have to adhere to the prevailing area specific policies of GPCB with respect to the discharge of pollutants, and shall carry out the project development in accordance & consistence with the same.
15. All measures shall be taken to avoid ground water and soil contamination within premises.
16. PP shall adopt renewable energy like installation of solar panel or solar light etc. for proposed project.
17. PP shall install secondary fume extraction at induction furnace area, as per details submitted by PP.
18. Unit shall install CEMS [Continuous Emission Monitoring System] in line to CPCB directions to all SPCB vide letter no. B-29016/04/06PCI-1/5401 dated 05/02/2014 for effluent discharge and air emission as per pollutants discharge/emission from respective project and an arrangement shall also be done for reflecting the online monitoring results on the company's server, which can be assessable by the GPCB/CPCB on real time basis. [For Small/Large/Medium (Red Category) & Whichever (Air emission & Effluent discharge) is applicable].

A.2 WATER :

19. Total water requirement for the project shall not exceed 5875.2 KLD. Unit shall reuse 4324.8 of treated effluent within premises. Hence, fresh water requirement shall not exceed 1550.4 KLD and it shall be met through treated sewage of M/s Welspun Living Ltd and GWIL. Prior permission from concerned authority shall be obtained for procurement of water.
20. The industrial effluent generation from the project shall not exceed 4324.8 KLD.
21. Management of Industrial effluent shall be as under:
 - ✓ Total 4324.8 KLD industrial effluent generated from process (75.6 KLD), make-up water (4184.4 KLD), Soft water (51.6 KLD) and DM water (13.2 KLD) shall be treated into primary ETP located at WDIPL and shall be recycled back in process activities. Hence will maintain ZLD.
22. Domestic wastewater generation shall not exceed 86.4 KL/Day for proposed project and it shall be treated in Common STP of M/s Welspun Living Ltd. It shall not be disposed of through soak pit/ septic tank.
23. The PP shall ensure to dispose of domestic effluent to Common STP of M/s Welspun Living Ltd having valid CTO of GPCB.
24. Complete Zero Liquid Discharge [ZLD] status shall be maintained all the time and there shall be no drainage connection from the premises.
25. Unit shall provide ETP with adequate capacity.
26. The unit shall provide metering facility at the inlet and outlet of ETP and maintain records for the same.
27. Proper logbooks of ETP; 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.

A.3 AIR:

28. Unit shall not exceed fuel consumption for grinding machines + Zn coating, Annealing Furnaces, DI Core Shop, CCM machines common stack and Pre heating & Post heatings as mentioned below.

Stack no.	Stack attached to	Stack height in meter	Air pollution control system	Parameters	Permissible Limit
1	DN80-400-01 DN80-400-02DN200-600DN450-1200 Double station	30	Bag Filter	PM SO ₂	150mg/Nm ³ 100 PPM

	barrel/socket groove/socket bell grinding machine + Socket Zn coating:			NO _x	50 PPM
2	DIP1 Annealing Furnace – 65 M Burnt Gas Exhaust	30	-		
3	DIP1 Annealing Furnace – 65 M Air Exhaust	30	-		
4	DIP1 Annealing Furnace – 50 M Burnt Gas Exhaust	30	-		
5	DIP1 Annealing Furnace – 65 M Air Exhaust	30	-		
6	DI Core Shop	20	Bag Filter		
7	DIP1 Annealing Furnace (Waste Gas exhaust) (Cap:30 ton/hr, length:50 M) and (Cap:40 ton/hr, length:65M)	30	Bag Filter	PM	30 mg/Nm ³
8	CCM (DN80-300)-4 Nos. machine common stack	30	Bag Filter	PM	30 mg/Nm ³
9	Annealing Furnace (length: 60 M) Brunt gas exhaust	30	-	-	-
10	Annealing Furnace (length: 60 M) air exhaust	30	-	-	-
11	Annealing Furnace (length: 60 M) Waste heat	30	-	-	-
12	Double Station Cutting & Chamfering / Socket Groove / Barrel grinding machine (DN80-300) - Line1	11	Bag Filter	PM	30 mg/Nm ³
13	Double Station Cutting & Chamfering / Socket Groove / Barrel grinding machine (DN80-300) - Line2	11	Bag Filter	PM	30 mg/Nm ³
14	Pre heating & Post heating (DN80-300) - Line1	16.5	-	-	-
15	Pre heating & Post heating (DN80-300) - Line2	-	-	-	-

29. PP shall use approved fuels only as fuel in grinding machines + Zn coating, Annealing Furnaces, DI Core Shop, CCM machines common stack and Pre heating & Post heatings.

30. Unit shall provide adequate APCM with flue gas generation sources to achieve the norms prescribed by GPCB.

31. Unit shall provide adequate APCM with process gas generation sources as mentioned below.

Stack no.	Stack Attached to	Stack height in meter	Air pollution control system	Parameters	Permissible Limit
1.	Mg Powder injection system +Induction furnace (3 nos. with two crucible each, cap: 15 Ton each)	30 (common stack)	Bag Filter	PM	30mg/Nm ³
2.	DN80-400 DN200-600 double Stations Barrel Zinc coating system	30	Bag Filter	PM	30mg/Nm ³
3.	DN80-400DN450-1200 double Stations Barrel Zinc coating system	30	Bag Filter	PM	30mg/Nm ³
4.	GF Converter 2	30	Bag Filter	PM	30mg/Nm ³
5.	GF Converter 3 & 4	30	Bag Filter	PM	30mg/Nm ³
6.	Induction Furnace (3 nos. crucible, cap: 15T each)	30	Bag Filter	PM	30mg/Nm ³
7.	GF (2 Nos. vesel, cap: 3T each)	30	Bag Filter	PM	30mg/Nm ³
8.	Double Station Zinc coating system (DN80-300) - 2 Nos lines	30 (common stack)	Bag Filter	PM	30mg/Nm ³

32. 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.
- 33. Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.
- 34. Regular monitoring of ground level concentration of PM10, PM2.5, SOx, NOx and VOCs shall be carried out in the impact zone 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.

A.4 SOLID / HAZARDOUS WASTE:

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

Sr. No.	Name of The Waste	Schedule / Category	Quantity (MTPA)			Method of Disposal
			Existing	Proposed	Total	
1.	Zinc Dust	I-6.2	150 MT/A	510 MT/A	660 MT/A	Collection, Storage, Transportation, Disposal by reuse in Plant & Machinery as lubricant or sell it to authorized re-refiners/recycler.
2.	Used Oil	I-5.1	15 MT/A	03 MT/A	18 MT/A	Collection, Storage, Transportation, Disposal by reuse in Plant & Machinery as lubricant or sell it to authorized re refiners / recycler.
3.	Empty Barrels/ Containers/Liners/ contaminated with hazardous chemicals	I-33.1	35000 Nos./ Annum	7000 Nos./ Annum	42000 Nos./ Annum	Collection, Storage, Transportation, and decontaminant at site or send to decontamination facility.
4	Contaminated Cotton Waste	I-33.2	0.3 MT/A	1.7 MT/A	2.0 MT/Annum	Collection, Storage, Transportation and disposal by send to authorized Actual users.
5	Waste or residue containing oil	I-5.2	0	2.0 MT/ Annum	2.0 MT/ Annum	Collection, storage, transportation and disposal by selling to registered recyclers.
6	Process waste, residue and sludges	I-13.2	0	120 MT/ Annum	120 MT/ Annum	Collection, storage, transportation & disposal at approved CHWIF or sent to Co- Processing Facility.

NON-HAZARDOUS WASTE MANAGEMENT MATRIX

Sr. No.	Type of Waste	Quantity			Mode of Disposal
		Existing	Proposed	Total	
1.	Mg dust	23	-	23	Collection, Storage, Transportation and Disposal by utilized in sinter plant of WCL.
2.	Calcined sludge (Mortar sludge) *	18000	21600	39600	Collection, storage, Transportation & send to brick manufacturing and Low-lying area filling.
3.	Dry waste	00	6 MT/Month	6 MT/Month	Collection, storage and management and handing over to authorized recyclers.
4.	Wet waste	00	4 MT/Month	4 MT/Month	Collection, storage and transportation and disposal by sending to own Bio gas generation unit.

36. 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.
37. Unit shall explore the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of Incinerable & land fillable wastes before sending to CHWIF & TSDF sites respectively.
38. The project proponent has to obtain membership of CHWIF before obtaining CTO of GPCB.

39. Entire quantity of process slag generated from manufacturing plant shall be either used for land filling or sold to actual end users and record shall be maintained.

A. 5 OTHER:

40. The project proponent shall carry out the activities of amount of Rs. 3.93 Crores (As a part of Welspun's flagship Model Village Project transforming the living conditions of villages and rural settlements in the project influence area, As a part of Welspun's green initiatives programs the unit will volunteer augmenting to the Social Forestry and Plantation activities like plant sapling distribution and mass plantation drives in Anjar and nearby areas, To promote and protect communities through a range of initiatives by providing clean drinking water, blood donation drives, improving hygiene and sanitation facilities and organizing medical camps for awareness of women's health in the project influence area, Solar electrification projects in the nearby villages for providing electricity for schools, community centers and for street lighting and As a part of Welspun Foundation the unit will be at the forefront of initiatives like mobile health vans, in addition to specialized health camps to enhance the levels of healthcare in nearby communities, with a particular emphasis on dedicated facilities for women and children in the project influence area at Varsamedi Meghpar Borichi Pashwadi Mitha Pashwadi Khara Aiapar Meghpar Kumbhardi Dhabda Anjar Nagalpar NaniNagalpar Moti Satapar Lakhapar Bhimasar Modvadar Vidi Sinugra Sapeda Jaru village) 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.
41. All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. Shree Green Consultants 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.
42. 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.
43. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.
44. No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.
45. 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.

B. GENERAL CONDITIONS:

B.1 CONSTRUCTION PHASE:

46. Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.
47. 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.
48. All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.
49. First Aid Box shall be made readily available in adequate quantity at all the times.
50. 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.
51. 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.
52. 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.

53. Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.
54. All topsoil excavated during construction activity shall be used in horticultural / landscape development within the project site.
55. 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 neighboring communities.
56. 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.
57. 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.
58. "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.
59. "No uncovered vehicles carrying construction material and waste shall be permitted."
60. "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."
61. Roads leading to or at construction site must be paved and blacktopped (i.e. – metallic roads).
62. No excavation of soil shall be carried out without adequate dust mitigation measures in place.
63. Dust mitigation measure shall be displayed prominently at the construction site for easy public viewing.
64. Grinding and cutting of building materials in open area shall be prohibited.
65. Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.
66. 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:

67. The water meter shall be installed and records of daily and monthly water consumption shall be maintained.
68. All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall continuously strive to reduce, recycle and reuse the treated effluent.

B.2.2 AIR:

69. In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed Spray dryer & it's APCM through the credible institutes and study report for impacts on Environment and Human Health shall be submitted to GPCB every year along with half yearly compliance report.
70. 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.
71. Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.
72. Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.
73. All the reactors / vessels used in the manufacturing process shall be closed to reduce the fugitive emission.

B.2.3 HAZARDOUS/SOLID WASTE:

74. 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.
75. 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.

76. The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)
77. 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.
78. The design of the Trucks/tankers shall be such that there is no spillage during transportation
79. All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.

B.2.4 SAFETY:

80. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.
81. The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Rules framed thereunder.
82. The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.
83. Main entry and exit shall be separate and clearly marked in the facility.
84. Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/emergency vehicle around the premises.
85. Storage of flammable chemicals shall be sufficiently away from the production area.
86. Sufficient number of fire extinguishers shall be provided near the plant and storage area.
87. All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.
88. All the toxic/hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.
89. The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.
90. Only flame proof electrical fittings shall be provided in the plant premises.
91. Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks / containers instead of one single large capacity tank / containers.
92. All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.
93. Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.
94. Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.
95. Personal Protective Equipment's (PPEs) shall be provided to workers and its usage shall be ensured and supervised.
96. First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.
97. Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
98. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.
99. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.
100. The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.
101. Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.

B.2.5 NOISE:

102. To minimize the noise pollution the following noise control measures shall be implemented:
 - ✓ Selection of any new plant equipment shall be made with specification of low noise levels.

- ✓ Manufacturers / suppliers of major noise generating machines / equipments like air compressors, feeder pumps, turbine generators, etc. shall be instructed to make required design modifications wherever possible before supply and installation to mitigate the noise generation and to comply with the national / international regulatory norms with respect to noise generation for individual units
 - ✓ Regular maintenance of machinery and vehicles shall be undertaken to reduce the noise impact.
 - ✓ Noise suppression measures such as enclosures, buffers and / or protective measures shall be provided.
 - ✓ Employees shall be provided with ear protection measures like earplugs or earmuffs.
 - ✓ Proper oiling, lubrication and preventive maintenance shall be carried out of the machineries and equipments to reduce noise generation.
 - ✓ Construction equipment generating minimum noise and vibration shall be chosen.
 - ✓ Ear plugs and/muffs shall be made compulsory for the construction workers working near the noise generating activities / machines / equipment.
 - ✓ Vehicles and construction equipment with internal combustion engines without proper silencer shall not be allowed to operate.
 - ✓ Construction equipment meeting the norms specified by EP Act, 1986 shall only be used.
 - ✓ Noise control equipment and baffling shall be employed on generators especially when they are operated near the residential and sensitive areas.
 - ✓ Noise levels shall be reduced by the use of adequate mufflers on all motorized equipment.
103. The overall noise level in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures, vibration dampers etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules.

B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION:

104. The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.

B.2.7 GREEN BELT AND OTHER PLANTATION:

105. The PP shall develop green belt within premises (44805.42 Sq. m i.e. 33 % of the 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.
106. Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.

B.3 OTHER CONDITION:

107. PP shall carry out the safety audit and Risk Assessment Report as per the prevailing guidelines of safety.
108. Management of Fly Ash shall be as per the Fly Ash Notification 2009 & its amendment from time to time and it shall be ensured that there is 100 % utilization of fly ash to be generated from the unit.
109. EMP should invariably include provisions for environmental Monitoring and measures for noise pollution control measures.
110. In EMP proponent should separately indicate majors of occupational health, fire and safety measures.
111. Wherever industrial/domestic effluent to be transported to CETP/CSTP etc. any diversion and disposal in open drainage (nallah) etc. causing human and environmental damage or loss will make it liable for action under the law.
112. All transport movement by tankers etc. has to be done with maintenance of gate pass and logbook it should be verified by the inspecting authorities.
113. Non-hazardous waste data shall be informed to GPCB time to time so as to make an assessment and tie-up with industry for generating sustainable power from the waste.
114. PP shall ensure predictive and preventive maintenance of factory / boiler and reactive show as to avoid incident of fire and safety hazards.
115. EMP should include STP and detail cost including maintenance, transportation of waste water to CETP / CSTP etc as well as transportation cost or transit cost.

116. In storage component should be shown separately in terms whether inflammable, toxic, corrosive, reactive etc.
117. Project proponent shall install all environment management systems as per the CPCB/GPCB directives regarding the effluent discharge and air emission in working condition.
118. Project proponent shall display the copy of Environment Clearance at the site prominently.
119. Project proponent shall prepare and follow regular and preventive maintenance plan.
120. Project Proponent will have to display the safety procedure in working area.
121. Extra care will be taken by PP to avoid any accidental blast in boiler, reactor or any machinery in the plant.
122. Environment monitoring, training and disaster management plan should be undertaken and complied at regular interval.
123. Integrated Regional Office of MoEF&CC, Gandhinagar, DISH and GPCB will monitor all environment, safety & health norms as per the prevailing rules, as applicable.
124. The PP has to maintain the log sheets / registers / manifest / gate pass for discharge through tankers and SCADA system for pipeline discharge for the waste water generation and its disposal data and submit to the GPCB every quarter. GPCB shall verify the same on regular basis and inform SEIAA and take legal action in the cases of non-compliance.
125. 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.
126. 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.
127. 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).
128. 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.
129. 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.
130. The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.
131. 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.
132. 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 for the environmental protection and management.
133. 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.
134. The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.
135. During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.
136. Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.
137. No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.
138. 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, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
139. The project proponent shall 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.

140. 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.
141. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
142. 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.
143. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
144. 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.
145. The project authorities shall inform the GPCB, Regional Office of MoEF&CC and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
146. This environmental clearance is valid for Ten (10) years from the date of issue.
147. 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:

148. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copy of the Environment Clearance Order is available in PARIVESH Portal. This shall be advertised within seven days from the date of the clearance letter uploaded in PARIVESH Portal, 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 MOEF&CC.
149. Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.
150. Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.
151. The Nodal Department or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.
152. In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the Environment Clearance accorded.
153. Any person including the project proponent affected by this Environment Clearance order may file appeal to Honorable National Green Tribunal West Zone branch, Pune, preferably within a period of thirty days from the date of issue of Environment Clearance as prescribe under section 16 of National Green Tribunal Act 2010.
154. All complaints and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses (a) msseiaagj2024@gmail.com & (b) seacgujarat@gmail.com