

29<sup>th</sup> May, 2024

TO,

State Level Environmental Impact Assessment Authority (SEIAA),  
C/o. Gujarat Pollution Control Board,  
Paryvaran Bhavan,  
Sector 10-A,  
Gandhinagar - 382 010.

**Subject:-** Submission of Six Monthly Environmental Clearance Compliance Report for the period of Oct-23 to Mar-24 by M/s. AMNS Gandhidham Limited (Old Name:-M/s. Indian Steel Corporation Limited).

**Reference:-** Letter No. SEIAA/GUJ/EC/3(a)(c)ii/91/2010 dated 04/06/2010 obtained from SEIAA, Gandhinagar.

Respected Sir,

With regards to the captioned subject and reference, we are submitting herewith pointwise environmental clearance compliance report for the period of Oct – 2023 to March – 2024.

We hope the above details are adequate as per the requirements. Kindly consider above submission and acknowledge.

Thanking You,

Sincerely yours,

For, AMNS Gandhidham Limited,

Authorized Signatory



Copy to:-

- 1) The Deputy Director General of Forests (C), Integrated Regional Office(IRO), Gandhinagar-382010
- 2) The Member Secretary, GPCB- Head Office, Paryavaran Bhavan, Sector 10 A, Gandhinagar-382010
- 3) The Regional Officer, Regional Office GPCB (Kutch-East), Gandhidham-370201

**Encl.** : Compliance Report of Environmental Clearance granted by SEIAA, Gandhinagar.

**AMNS Gandhidham Limited – (Formerly, Indian Steel Corporation Limited)**

**Plant Address:** Survey No. 370, National Highway No. 341, Near Bhimasar Railway Crossing,  
Village - Bhimasar, Anjar, Kutch – 370 240, Gujarat, India

**Reg. Office Address:** 6<sup>th</sup> and 7<sup>th</sup> Floor, Raheja Towers, Plot C 30, Block G, Bandra Kurla Complex,  
Bandra (East), Mumbai – 400 051, Maharashtra, India

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## COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE

SEIAA LETTER NO. SEIAA/GUJ/EC/3(a)(c)II/91/2010 DTD. 04/06/2010

Sr. No.	Conditions	Compliance Status/Remarks
<b>A. Specific conditions</b>		
1	The rinse water from the pickling line shall not be drained to the ETP and instead, it shall be sent to the Acid Regeneration Plant (ARP).	<b>Complied.</b> The rinse water from pickling line is being reused in Acid Regeneration Plant (ARP). Record of rinse water generated and reused in ARP is duly maintained.
2	Raw water shall be mixed with treated effluent in order to bring down Total Dissolved Solids (TDS) concentration below 1000 mg/l. Before utilizing effluent for plantation / gardening, it shall be strictly observed ensured that its TDS concentration shall not the norms prescribed by the GPCB in any case.	<b>Complied.</b> Total Dissolved Solids (TDS) concentration is being maintained within the prescribed limit.
3	The unit shall stop or curtail production in accordance with the available spare effluent storage capacity during high rainy days when soil is saturated and treated effluent can not be used for plantation.	<b>Complied.</b> We have provided two tanks for storage of treated effluent (RO reject). These tanks are adequate for storage of treated effluent in rainy days. However, we assure you that we will curtail production, if necessary.
4	Piezometers shall be installed in all four directions in the vicinity of the site in consultation with the GPCB to monitor the groundwater level and quality of groundwater to ascertain the impacts, if any, due to land application of the treated effluent.	<b>Complied.</b> We have installed four Piezometers within plant premises in order to monitor ground water.  Ground water analysis is being carried out by NABL accredited agency namely M/s. Green Globe Enviro Services.

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Sr. No.	Conditions	Compliance Status/Remarks
5	Soil quality of the area where treated effluent is applied for plantation / gardening, shall be checked at least once in a year through reputed institute / agricultural university in order to assess impacts on soil quality including TDS built up in soil and its records shall be maintained. Recommendations, if any given by the respective institute / agricultural university for avoiding the adverse impacts on soil quality shall be strictly implemented time to time.	<b>Complied.</b>  Soil Quality analysis is being carried out once in a year by NABL accredited agency namely M/s. Green Globe Enviro Services.
<b>A-1. Water</b>		
6	Fresh water requirement after the expansion shall not exceed 1400 KL/day and it shall be sourced from the Gujarat Water Infrastructure Ltd. No ground water shall be tapped for the project requirements.	<b>Complied.</b>  We do not draw any ground water for the water requirement. We have obtained water supply permission from the Gujarat Water Infrastructure Limited (GWIL).
7	The industrial wastewater generation from the project shall not exceed 391 KL/day after the proposed expansion.	<b>Complied.</b>  We have provided flow meter at the inlet of the ETP in order to maintain the record of effluent generation.
8	The existing ETP shall be upgraded as proposed in the final EIA Report of the project, before commencing the expanded production. Two more tanks (each of 200 KL capacity) shall be provided in addition to two existing tanks (each of 200 KL capacity) for storage of treated wastewater during high rainy days.	<b>Complied.</b>  We have provided two more water storage tanks with capacity of 200 KL each for storage of treated effluent.
9	The ETP shall be operated regularly and efficiently to achieve the GPCB norms. The treated effluent with TDS concentration not exceeding 1000 mg/l and rest of the parameters conforming the GPCB norms, shall be discharged on land within premises for plantation / gardening. It shall be strictly observed that no wastewater shall be discharged out side the factory premises.	<b>Complied.</b>  We are operating ETP regularly and efficiently followed by RO & MEE treatment. Logbook of ETP operation is duly maintained. Treated effluent analysis is being carried out by NABL accredited agency namely M/s. Green Globe Enviro Services. As per third party

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		analysis report all parameters are within prescribed limit.
10	The unit shall provide metering facility at the inlet and outlet of the ETP and maintain the records of the same. The unit shall also provide on line pH meter and TDS meter for online monitoring of the treated effluent.	<p><b>Complied.</b></p> <p>We have provided flow meter at inlet and outlet of the ETP. Logbook of ETP operation is duly maintained.</p> <p>We have also installed online TDS &amp; pH monitoring system in the ETP.</p>
11	A proper logbook of ETP operation and also showing the quantity of effluent generated, utilized for plantation / gardening etc. shall be maintained and furnished to the GPCB from time to time.	<p><b>Complied.</b></p> <p>A logbook of ETP operation is being maintained on regular basis.</p>
12	The domestic wastewater generation shall not exceed 38 KL/day after the expansion, which shall be disposed off through septic tank - soak pit.	<p><b>Complied.</b></p> <p>We have installed sewage treatment plant with 100 KLD capacity and provided Flow meter for measurement of the quantity of sewage generation. The generated sewage is being treated in STP and treated sewage is being utilized in greenbelt development.</p>
13	The company shall develop rain water harvesting structures to harvest the run off water and to recharge ground water. Rain water harvesting of surface as well as rooftop runoff as proposed in the EIA Report of the project shall be undertaken and the same water shall be used for the various activities of the projects to conserve fresh waster as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.	<p><b>Complied.</b></p> <p>We have developed rain water harvesting system within plant premises and constructed water harvesting pond to recharge ground water.</p>

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<b>A-2. Air</b>		
14	Requirement of Imported Coal & Propane Gas shall not exceed 4 MT/Hour & 9600 MT/Year respectively after the proposed expansion. HSD shall be used as a fuel in the proposed D. G. Set (500 KVA).	<p><b>Complied.</b></p> <p>Consumption of coal and propane gas is within the mentioned limit. HSD is being used in standby DG sets in case of power supply failure from PGVCL.</p>
15	Lime injection technology shall be adopted for the new Boiler to reduce the emission of SO <sub>2</sub> . Multi Cyclone Separator and Bag Filter shall be provided as APCM for new Boiler (10 TPH capacity), which shall be operated efficiently and effectively to achieve the norms prescribed by the GPCB at stack outlet. Adequate stack height as per prevailing norms shall be provided for Boiler.	<p><b>Complied.</b></p> <p>We have adopted lime injection technology for new installed boiler for controlling of SO<sub>2</sub> emission.</p> <p>Bag filter, cyclone separator and adequate stack height have been provided for the boiler.</p> <p>Stack monitoring is being carried out by NABL accredited agency namely M/s. Green Globe Enviro Services.</p>
16	Adequate stack height as per prevailing norms shall be provided for the Radiant Tube Hearth, Chromating Duct, Pot Heating Flue Gas, Oven & D. G. Set and emission from the same shall meet the norms prescribed by the GPCB at stack outlets.	<p><b>Complied.</b></p> <p>We have provided adequate stack height to the stacks attached to radiant tube hearth, chromating duct, pot heating, oven and DG Set.</p> <p>Stack monitoring is being carried out by NABL accredited agency namely M/s. Green Globe Enviro Services. As per third party stack analysis report all parameters are within prescribed limit.</p>
17	Process emission from Continuous Galvanizing / Galvalume Line (CGL) & Continuous Color Coating Line (CCL) shall be scrubbed into the adequate scrubbing system proposed as the air pollution control	<p><b>Complied.</b></p>

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	<p>measures (APCM). Process emission from NOx flue of CGL shall be controlled with the adequate Cyclone / Multicyclone Separator proposed as the air pollution control measures (APCM). These APCM shall be operated efficiently and effectively to achieve the norms prescribed by the GPCB at stack outlets.</p>	<p>We have provided wet scrubber as a APCM in CGL &amp; CCL process stacks for controlling of process emission and also appropriate air pollution control device has been provided in NOx flue of CGL stack for controlling of process emission.</p> <p>All air pollution control devices are operating efficiently and effectively to achieve the norms prescribed by the GPCB at stack outlets.</p> <p>Stack monitoring is being carried out by NABL accredited agency namely M/s. Green Globe Enviro Services. As per third party stack analysis report all parameters are within prescribed limit.</p>
18	<p>The fugitive emission in the work zone environment shall be monitored. The emission shall confirm to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety &amp; Health). Following indicative guidelines shall be followed to reduce the fugitive emission.</p>	<p><b>Complied.</b></p> <p>Work zone environment monitoring is being carried out by NABL accredited agency namely M/s. Green Globe Enviro Services. As per third party work zone monitoring report all parameters are within prescribed limit.</p>
➤	<p>Enclosure shall be provided at all loading and unloading operations.</p>	<p><b>Complied.</b></p> <p>We have provided enclosures at loading and unloading operations.</p>
➤	<p>Water shall be sprayed on imported coal stock pile periodically to retain some moisture in top layer to reduce the fugitive emission.</p>	<p><b>Complied.</b></p> <p>Water sprinkler system is provided on coal storage shed for regularly spraying water on coal pile to reduce fugitive emission.</p>

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➤	All transfer points shall be fully enclosed.	<b>Complied.</b>  All conveyor belts are properly covered by the canopy and transfer points are fully covered by wind breaking sheets.
➤	Accumulated dust on the ground and other surfaces shall be removed / swept regularly and water the area after sweeping.	<b>Complied.</b>  Regular surface cleaning near boiler area is being done and same practice will be continued.
➤	Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.	<b>Complied.</b>  We have provided pucca road of RCC within plant premises.
➤	Air borne coal dust shall be controlled with water sprinklers at suitable locations in the plant.	<b>Complied.</b>  Water sprinklers has been provided within coal handling area for regular dust suppression.
19	The fugitive emission in the work zone environment shall be monitored regularly through the third party. The emission shall confirm to the standards prescribed by the concerned authorities from time to time.	<b>Complied.</b>  Work zone environment monitoring is being carried out by NABL accredited agency namely M/s. Green Globe Enviro Services. As per third party work zone monitoring report all parameters are within prescribed limit.
20	Regular performance evaluation of the air pollution control systems shall be undertaken every year to check its adequacy, through credible institutes like L.D. College of Engineering, NPC, ATMIYA and other such other institutes of similar repute, and its records shall be maintained.	<b>Complied.</b>  Performance evaluation for APCM installed in the unit is carried out by Atmiya Institute, Rajkot. All the APCMs are found adequate.

Sr. No.	Conditions	Compliance Status/Remarks
21	Regular monitoring of ground level concentration of SO <sub>2</sub> , NO <sub>x</sub> , HCl, PM <sub>10</sub> and PM <sub>2.5</sub> 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 Gujarat Pollution Control Board. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with GPCB.	<p><b>Complied.</b></p> <p>We have established 4 Nos. of ambient air quality monitoring stations within plant premises for monitoring of ambient air quality levels. AAQM is being carried out by NABL accredited agency namely M/s. Green Globe Enviro Services. As per third party AAQM reports all parameters are within prescribed limit.</p>
<b>A-3. Solid Waste</b>		
22	The company must strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2008, as may be amended from time to time. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.	<p><b>Complied.</b></p> <p>Hazardous waste Handling, Storage, Utilization and disposal is being done in environment friendly manner as per statutory guidelines.</p> <p>Hazardous waste disposal is being done through GPCB approved TSDF Site &amp; Recyclers.</p> <p>Yearly Submission of Hazardous Waste Return (Form 4) is regularly submitted to GPCB.</p> <p>We have obtained authorization for the same from GPCB vide order no. AWH – 110509 dated 26/11/2020 and H-120933 dated 22/08/2022 which is valid up to 11/07/2026.</p>
23	ETP sludge shall be dried, packed and stored in separate designated hazardous waste storage facility with impervious bottom and leachate collection facility, before its disposal. ETP sludge shall be disposed at the TSDF site of Saurashtra Enviro Projects Pvt. Ltd.	<p><b>Complied.</b></p> <p>We have provided an dedicated HW storage area with proper roofing,</p>

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	(SEPPL), Vill. Juna Katariya, Tal. Bhachau, Dist. Bhuj or at the TSDF site of NEPL, Naroda, in case of non operation of TSDF site of SEPPL.	impervious flooring and leachate collection system. Dried and packed ETP sludge is being disposed at approved TSDF site.
24	Spent Hydrochloric Acid as well as rinse water from pickling line shall be regenerated through in-house Acid Regeneration Plant and the recovered Hydrochloric Acid shall be completely reused in the manufacturing operations.	<b>Complied.</b> Spent HCl acid & rinse water are being regenerated through in house ARP plant and same is being reused in pickling process.
25	Oily sludge and used oil shall be sold only to the registered refiners / recyclers.	<b>Complied.</b> Oily sludge & used oil are being sold to the registered recyclers.
26	Discarded containers / barrels / bags / liners, if any generated, shall be either reused or sold only to the authorized recyclers after decontamination.	<b>Complied.</b> Discarded containers/ barrels/ bags/ liners are being sold to the authorized recyclers.
27	Ash generated from the Boiler shall be sold to the cement / brick manufacturers.	<b>Complied.</b> Ash generated from boiler is being sold to the cement/Brick manufacturers.
<b>A-4 Safety</b>		
28	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of hazardous chemicals, especially Ammonia.	<b>Complied.</b> We are taking all the precautionary measure to avoid any kind of accident during storage and handling of hazardous chemicals, especially ammonia. We have prepared SOP for the storage and handling of ammonia and same SOP is implemented, followed &

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		monitored to prevent any kind of accident.
29	Height of the boundary wall near ammonia storage tank towards railway line shall be raised adequately and water curtain facility to absorb ammonia shall be provided. Ammonia leak sensors / detectors shall be provided at strategic locations. All equipments related to Ammonia Storage Tank shall be maintained and calibrated regularly.	<p><b>Complied.</b></p> <p>We have constructed boundary wall and provided adequate height near ammonia storage facility.</p> <p>Water curtain facility has been provided on ammonia storage tanks. Ammonia leak detector/sensor has been provided at ammonia storage tanks and calibrations of the same is being carried out regularly.</p>
30	Adequate and suitable Personnel Protective Equipments like SCBA, gastight chemical goggles, positive pressure hose masks, chemical cartridge shall be provided. Usage of Personnel Protective Equipments shall be ensured and supervised.	<p><b>Complied.</b></p> <p>We have provided all adequate and suitable PPE like goggles, face masks, hand gloves, gum boot, ear plug etc. to the workers.</p>
31	Only lead free paints shall be used in color coating operation.	<p><b>Complied.</b></p> <p>We are using only lead free paints in color coating operation.</p>
32	Storage and use of hazardous chemicals shall be minimized to the extent possible and all necessary precautions shall be taken to mitigate the risk generated out of it.	<p><b>Complied.</b></p> <p>Adequate safety measures has been provided like hydrant points, bund wall, eye washer, extinguisher etc. at hazardous chemicals storage area to mitigate any type of risk.</p>
33	Storage of hazardous chemicals like HCl, Chromic Acid, Caustic Lye etc. shall be in multiple small capacity tanks / containers instead of one single large capacity tank for safety purpose.	<p><b>Complied.</b></p>

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		We are storing HCl and other chemicals like chromic acid in small capacity tanks/Containers.
34	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for the storage tanks. Close handling system for chemicals shall be provided.	<p><b>Complied.</b></p> <p>All the liquid storage tanks are fitted with appropriate controls to avoid leakages and also provided adequate height of bund wall.</p>
35	Handling and charging of the materials shall be done in such a manner that minimal human exposure occurs.	<p><b>Complied.</b></p> <p>No manual handling of material for charging purpose directly and all the liquid chemicals are charged through pipeline.</p>
36	Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency, regular medical check up of the workers and keeping its record etc.	<p><b>Complied.</b></p> <p>We have provided Occupational Health Center within plant premises.</p> <p>We have appointed part time medical officer Dr. RAJESH AWARIYA, DIH for regular medical checkup of workers and also tied up with nearby OHC.</p> <p>We are also maintaining health record of the workers in Form –32 &amp; Form -33.</p>
37	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	<p><b>Complied.</b></p> <p>Adequate numbers of first aid boxes are made available at appropriate locations of plant.</p>

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38	Training shall be imparted to all the workers on safety and health aspects of chemicals handling. Only trained person shall be deployed for ammonia handling.	<p><b>Complied.</b></p> <p>We are providing the various type of trainings to the workers, supervisors regarding the health &amp; safety as mentioned below;</p> <ul style="list-style-type: none"> <li>• Safety Awareness</li> <li>• Hazardous material handling &amp; storage</li> <li>• Use of different PPEs</li> <li>• Emergency management / preparedness</li> <li>• Fire fighting</li> <li>• First Aid</li> </ul> <p>The records of the training conducted are dully maintained. Only trained person are deployed for ammonia handling.</p>
39	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.	<p><b>Complied.</b></p> <p>Pre employment and periodically health examination are being carried out for all workers &amp; employees as per the factories act/rules and record of the same is maintained regularly.</p> <p>We have provided Occupational Health Center within plant premises. Also, we have appointed part time medical officer Dr. RAJESH AWARIYA, MBBS, DIH for regular medical checkup of workers and also tied up with nearby OHC.</p>
40	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	<p><b>Complied.</b></p>

Sr. No.	Conditions	Compliance Status/Remarks
		SOP for transportation of hazardous chemical is prepared, followed and monitored on regular basis. We also provide proper training, the copy of MSDS, TERM card and proper Personal Protective Equipments (PPEs) to all the transporters.
<b>A-5. Noise</b>		
41	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.	<b>Complied.</b> We have installed low noise equipments in our plant.
➤	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.	<b>Complied.</b> We have installed Machineries and equipments which meeting the environment standard.
➤	Regular maintenance of machinery and vehicles shall be undertaken to reduce the noise impact.	<b>Complied.</b> Regular preventive maintenance is being carried out on fixed interval.
➤	Noise suppression measures such as enclosures, buffers and / or protective measures shall be provided.	<b>Complied.</b> Noise Suppression measures like enclosures, buffers etc. are provided.
➤	Employees shall be provided with ear protection measures like earplugs or earmuffs.	<b>Complied.</b> We have provided ear plug/ ear muff to the workers working in high noise area.

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Sr. No.	Conditions	Compliance Status/Remarks
		Usage of the ear plug/muffs is made compulsory in the high noise area.
➤	Proper oiling, lubrication and preventive maintenance shall be carried out of the machineries and equipments to reduce noise generation.	<b>Complied.</b> Proper oiling, lubrication and preventive maintenance is being carried out regularly of the machineries and equipments to reduce noise generation.
➤	Construction equipment generating minimum noise and vibration shall be chosen.	<b>Complied.</b> Selected minimum noise & vibration generating equipment during construction phase and same will be extended further.
➤	Ear plugs and/muffs shall be made compulsory for the construction workers working near the noise generating activities / machines / equipment.	<b>Complied.</b> We had provided ear plug/ ear muff to the workers working in high noise area during construction period. Usage of the ear plug/muffs were made compulsory in the high noise area.
➤	Vehicles and construction equipment with internal combustion engines without proper silencer shall not be allowed to operate.	<b>Complied.</b> Vehicles and construction equipment without silencers are not allowed to operate within plant premises.
➤	Construction equipment meeting the norms specified by EP Act, 1986 shall only be used.	<b>Being Complied.</b>
➤	Noise control equipment and baffling shall be employed on generators especially when they are operated near the residential and sensitive areas.	<b>Complied.</b>
➤	Noise levels shall be reduced by the use of adequate mufflers on all motorized equipment.	<b>Complied.</b>

## AMNS Gandhidham Limited - (Formerly, Indian Steel Corporation Limited)

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CIN U27100MH2004PLC144559 / +91 22 6988 9999 / cs.amnsgandhidham@amns.in / www.amns.in

Sr. No.	Conditions	Compliance Status/Remarks
		Noise mufflers for motorized equipment are considered at the design stage itself.
42	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>Complied.</b>  Noise Monitoring is being carried out by NABL accredited agency namely M/s. Green Globe Enviro Services. As per third party noise monitoring reports all parameters are within prescribed limit.
<b>A-7. Energy Conservation</b>		
43	The project proponent shall install energy efficient devices and appliances conforming to the Bureau of Energy Efficiency norms.	<b>Complied.</b>  We have installed energy efficient lighting and equipments and got certified for energy management system ISO 50001.
44	The energy audit shall be conducted at regular intervals and the recommendations of the audit report shall be implemented.	<b>Complied.</b>  Energy audit is being carried out and last energy audit has been carried out in 2023 and recommendation of audit has been complied.
45	The project proponent shall implement the application of solar energy which shall be utilized as solar lighting for illumination of common areas, lighting of internal roads and passages in addition to utilization of solar water heating systems.	<b>Complied.</b>  Solar lighting has been provided in common area and road.
46	The transformers and motors shall have minimum efficiency of 85%.	<b>Complied.</b>  We have installed transformers and motors having minimum efficiency of 85%.

Sr. No.	Conditions	Compliance Status/Remarks
47	Variable frequency drives shall be installed.	<p><b>Complied.</b></p> <p>Variable Frequency Drives have been provided in several equipments to reduce electrical consumption.</p>
48	Energy conservation measures shall include use of electronic lighting system, use of CFL tubes to minimize energy use, use of programmable timers for pumping system and lighting, water level controllers for water pumps, centralized cooling etc.	<p><b>Complied.</b></p> <p>We are using LED tubes to minimize energy usage, programmable timers for pumping etc. to minimize energy use.</p>
49	<p>Energy saving practices as following shall be practiced-</p> <ul style="list-style-type: none"> <li>➤ Constant monitoring of energy consumption and defining targets for energy conservation.</li> <li>➤ Adjusting the settings and illumination levels to ensure minimum energy used for desired comfort level.</li> <li>➤ Use of solar cells for lighting</li> <li>➤ Use of solar water heater for canteen &amp; washing area</li> <li>➤ Proper load factor shall be maintained by the unit</li> <li>➤ Provision of day light roof to utilize maximum natural light in the production plant instead of electrical lighting</li> <li>➤ Use of electronic ballast to save energy</li> <li>➤ Automatic switching system for lighting and water tank pumping system shall be used</li> <li>➤ To the maximum extent possible and technically feasible energy efficient equipment like motors pumps, air conditioning systems shall be selected</li> <li>➤ Gravity flow shall be preferred wherever possible to save pumping energy</li> <li>➤ Promoting awareness on energy conservation</li> <li>➤ Training to the staff on methods of energy conservation and to be vigilant for the same.</li> </ul>	<p><b>Complied.</b></p> <p>We are following all standard practices as per stipulated condition, for saving of energy and complied with the recommendation of energy audit.</p> <p>We are certified for energy management system ISO 50001.</p> <p>Apart from this we have taken several steps to conserve the energy like,</p> <ul style="list-style-type: none"> <li>➤ Proper load factor maintained.</li> <li>➤ Translucent roofing sheets has been provided on roof of shed to utilize maximum natural light.</li> <li>➤ Energy efficient equipment only used in the plant.</li> <li>➤ Wherever possible gravity flow is used.</li> <li>➤ Regular training provided to employees and associated for energy conservation.</li> </ul>
<p><b>A-6 Cleaner Production And Waste Minimization</b></p>		

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Sr. No.	Conditions	Compliance Status/Remarks
50	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>Complied.</b> Cleaner Production assessment study has been carried out by Atmiya institute, Rajkot and recommendations has been complied and submitted to GPCB.
51	The company shall undertake following waste minimization measures:	
➤	Metering and control of quantities of active ingredients to minimize waste	<b>Complied.</b> Meters are provided at all consumption points and monitoring it to minimize consumption.
➤	Reuse of by products from the process as raw materials or raw materials substitutes in other process.	<b>Complied.</b> Regenerated acid of ARP plant is reused in pickling process.
➤	Use of automated and enclosed filling to minimize spillages.	<b>Complied.</b>
➤	Use of close feed system	<b>Complied.</b> We have provided close feed system at boiler and other areas of plant operation.
➤	Dry cleaning /mopping of floor instead of floor washing	<b>Complied.</b> We are using Dry cleaning /mopping method for floor cleaning and same practice will be continued.
➤	Regular preventive maintenance for avoiding leakage spillage etc.	<b>Complied.</b> Preventive maintenance of pipelines and storage area has been carried out on regular intervals.

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Sr. No.	Conditions	Compliance Status/Remarks
<b>A-7 Green Belt And Other Plantation</b>		
52	Unit shall develop green belt on 1,70,000 sq.m. open area within premises. The unit should also take up adequate plantation at suitable open land on road sides and other open areas in nearby locality or schools in consultation with the Gram Panchayat / GPCB and submit an action plan of plantation for next three years to the GPCB.	<p><b>Complied.</b></p> <p>Plantation activity is an on-going process as part of the same we have developed greenbelt within plant premises with various types of trees and plants.</p> <p>Also, we have planted trees in nearby school at Bhimasar and local vicinity.</p>
<b>B-General Conditions</b>		
53	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.	<p><b>Noted.</b></p> <p>We assure you that in the event of failure of any pollution control system adopted by the unit, the unit will be safely closed down and will not be restarted until the desired efficiency of the control equipment is achieved.</p>
54	Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	<p><b>Complied.</b></p> <p>We have provided impervious flooring of RCC within entire industrial plant.</p>
55	Leakage from the pipes, pumps shall be minimal and if occurs shall be arrested promptly.	<p><b>Being Complied.</b></p> <p>We are doing regular preventive maintenance of pumps and pipes for avoiding leakage, spillage etc.</p>
56	During material transfer, spillage shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic waste water or storm water.	<p><b>Being Complied.</b></p> <p>Following measures are undertaken for preventing mixing of accidental spillages</p>

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		<p>with domestic wastewater or storm water:</p> <ul style="list-style-type: none"> <li>All the liquid materials has been transferred / dosed through Pipeline and double sealed mechanical pumps. The joints and condition of pipeline is checked regularly and repaired immediately if required.</li> <li>The pucca impervious flooring has been provided in entire process plant to avoid land contamination due to chemical spillage and leakage.</li> <li>We have provided dyke wall around the storage tanks area of hazardous chemical along with transferring pumps to reduce the risk of tank leakages.</li> <li>We have also provided separate drainage line for storm water.</li> <li>Sewage is treated into own STP.</li> </ul>
57	The Environmental Management Cell with suitably qualified staff for implementation of the stipulated environmental safeguards and for monitoring functions shall be set up under the control of the Senior Vice President of the Company.	<p><b>Complied.</b></p> <p>Unit has established environment management cell with qualified manpower for implementation of environmental safeguards and environmental management plan.</p>
58	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.	<p><b>Complied.</b></p> <p>Environmental Management Plan is in place and the funds earmarked (budgeted separately for the each financial year) are being utilized for effective implementation of environmental safeguards and environment monitoring. All the expenses related to environment</p>

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		management plan are recorded in advanced accounting system of the organization.
59	The company shall take appropriate community development and welfare program for improving socio-economic environment of the villagers in the vicinity of the project site. A separate fund shall be allocated for this purpose.	<b>Complied.</b> The company is taking various initiatives for socio-economic development activities in the surrounding villages like community development programs, educational programs and health care.
60	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.	We abide.
61	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.	<b>Noted &amp; Agreed.</b>
62	At no time, the emissions shall exceed the prescribed limits. In the event of 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 achieved.	<b>Noted &amp; Agreed.</b> Environmental Monitoring is being carried out by NABL accredited agency namely M/s. Green Globe Enviro Services. As per third party monitoring reports all parameters are within prescribed limit.  We assure you that in the event of failure of any pollution control system adopted by the unit, the unit will be immediately put out of operation and will not be restarted until the desired efficiency has been achieved.
63	The project management shall also comply with all the environment protection measures, risk mitigation measures and safeguards	<b>Noted &amp; Complied.</b>

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	recommended in the EIA / EMP report as well as other proposals made by them.	On Site Emergency Response Plan is in place and implemented which is updated on dated 13.05.2024.
64	No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF/ SEIAA, as the case may be. In case of deviations or alterations in the project proposal from those submitted to MoEF/ SEIAA/ SEAC for clearance, a fresh reference shall be made to the SEIAA/ SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	<b>Noted &amp; Agreed.</b>
65	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.	<b>Noted &amp; Complied.</b>
66	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.	<b>Complied.</b> Unit has published advertisement regarding accordance of the Environmental clearance in Indian Express (English) & Kutchmitra (Gujarati) newspapers.
67	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 hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.	<b>Complied.</b> Half yearly compliance report is being submitted on time to time to concerned authorities. Last compliance report has been submitted on dated 10/01/2024.
68	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	<b>Noted &amp; Agreed.</b> We have been obtained CCA vide Order no. AWH-110509 dated 26/11/2020 and H-120933 dated 22/08/2022 which is valid up to 11/07/2026.
69	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final	<b>Complied.</b>

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	approval of the project by the concerned authorities and the date of start of the project.	Financial closure of the project has been completed and we have obtained consent to operate from GPCB for the unit cleared vide under this EC.
70	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	<b>Noted &amp; Complied.</b>
71	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. 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) Rules 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	<b>Noted &amp; Complied.</b>
72	This Environmental Clearance is valid for five years from the date of issue.	<b>Noted.</b>

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