

Compliance Status to Environment Clearance No. 10-26/2007-IA-III dated 27/08/2007 for storage of Liquid Ammonia at JNPT (for the period April 2019 to September 2019) :-

Date:- 15/11/2019

SPECIFIC CONDITIONS:

Sr. No.	Type of Compliance	Status: Complied / Not complied / Not Applicable
1	The project proponent should implement all the measures that have been suggested by them in the clarification letter dated 24 th May, 2007 provided to the Ministry of Environment and Forests. (MoEF)	All the measures are complied.
2	Damage distance for thermal radiation, over pressure and toxic dispersion should be considered while transporting the products.	Maximum Credible Loss Scenario (MCLS) Study is carried out in September – 2016.
3	Precautions against damage to the vapour cloud explosion should be adopted. Precautions may be taken to avoid release of vapour to the atmosphere. Leakage of ammonia during transfer should be prevented.	Ongoing, measures are in place.
4	The recommendations given by the Cell for Industrial Safety and Risk Analysis of CLRI should be strictly followed.	Not relevant, but recommendations arising out of EIA, RRA by Projects & Development India Ltd (PDIL), Dhanbad and Uhde (I) Ltd are complied.
5	Monitoring of Ambient Air Quality (AAQ) (8 hourly presently) should be done in accordance with CPCB guidelines.	Complied & reports are attached. (Annexure 1)
6	Monitoring of ground water & soil quality near the storage areas should be carried out six monthly.	Complied & reports are attached. (Ground water & Soil quality report as Annexure 2)
7	Flow meters at inlet & final outlet of Oil Water Separators (2 Nos) should be installed.	Not applicable
8	Sensors for detecting ammonia leakage should be installed at strategic locations.	Complied – 8 Nos of Detectors are installed in the field with alarms in DCS.
9	The MSIHC Rules should be effectively implemented and revised HAZOP Report should be submitted within six months from the date of receipt of this letter. The damage distance should also be reassessed.	Complied & HAZOP compliance report details are sent on 22/02/2013.
10	All the conditions stipulated by the Maharashtra Pollution Control Board vide Consent No. BO/RONM/EIC-0448-06/E/CC-303 dated 02/08/2006 should be strictly implemented.	Complied Consent to Operate No. BO/CAC-Cell/EIC No. NM-5001-14/2 nd AC/3770 dated 17/03/2016 validity upto 30/06/2020. (Annexure 3)
11	Leak detection / warning system for each of the chemicals to be handled should be provided at the jetty as well as at other strategic locations. Necessary control measures capable of remote operation to shut down the leakage, if any, should be provided.	1. Complied – Motor operated valves are provided which are interlocked with pressure & leak detectors. 2. Continuous Flare system is provided.

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12	Appropriate safety devices such as masks should be provided for use by the workers handling the chemicals at the site and their usage by them should be ensured.	Appropriate PPEs are provided and its usage is strictly ensured.
13	No chemicals other than those specified in the Annexure-III of the CRZ Notification, 1991 as amended subsequently shall be stored in the CRZ area.	Noted and only specified chemicals are stored.
14	Regular monitoring of the levels of ammonia in the air by environment shall be monitored and records maintained. The periodic report (six monthly) to be submitted to the Regional Office of this Ministry at Bhopal should also contain information about the ammonia level so monitored.	Complied & reports are attached. (Annexure 1)
15	All approvals from Central and State nodal agencies including OISD, Chief Controller of Explosives, Chief Inspectorate of Factories must be obtained. A Comprehensive Contingency Plan / Disaster Management Plan must be prepared in collaboration with the concerned authorities and a copy submitted to this Ministry before commissioning of the project.	On-site Emergency plan is prepared and Mockdrills are conducted regularly.
16	No mangroves or ecological sensitive areas should be damaged while undertaking the above project.	Noted.

GENERAL CONDITIONS:-

Sr. No.	Type of Compliance	Status: Complied / Not complied / Not Applicable
1	A separate Environmental Management Cell with suitably qualified staff to carry out various environment related functions should be set up under the charge of a Senior Executive who will report directly to the Chief Executive of the Company.	Separate EHS Department is set up.
2	The project will be monitored by this Ministry's Regional office at Bhopal. Full support should be extended to the officers of this Ministry's Regional Office at Bhopal and the officers of the Central and State Pollution Control Boards by the project proponents during the inspection for monitoring purposes by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities.	Noted.
3	In case of deviation or alteration in the project including the implementing agencies, a fresh reference should be made to this Ministry for modification in the clearance conditions or impositions of new ones for ensuring environmental protection. The project proponents shall be responsible for implementing the suggested	Noted.

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	safeguard measures.	

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4	This Ministry reserves the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of this Ministry.	Noted.
5	This Ministry or any other competent authority may stipulate any other additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.	Noted.
6	A copy of the clearance letter shall be marked to the concerned Panchayat / local NGO, if any, from whom any suggestion / representation has been received while processing the proposal.	Copy of Clearance Letter is uploaded on Website.
7	State Pollution Control Board / Committee should display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's Office / Tehsildar's Office for 30 days.	Noted.
8	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the the Maharashtra Pollution Control Board and may also be seen at Website of the Ministry of Environment and Forests at http://www.envfor.nic.in The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of this Ministry at Bhopal.	Complied & details are sent on 26/02/2013.
9	The project proponents should inform the Bhopal Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of Land Development Work.	-
10	Seperate clearance shall be obtained by individual project proponents for handling and storage of these chemicals.	Noted.