

Reply to Parliament Question No 769 for 02.12.2024 for Rajya Sabha regarding “Operational Efficiency of OISD” in respect of Numaligarh Refinery Limited (NRL):

Q no. (c): the measures Central Government has implemented to enhance safety in PSU refineries following past significant fire incidents, the details of each PSU refinery?

Reply: Ministry to reply.

[NRL has implemented the following measures against major recommendations post fire incidents –

1. To prevent future incidents, measures include verifying the authenticity of TPI reports, obtaining confirmation from TPI agencies via email before accepting materials at NRL warehouse, and incorporating a clause in procurement specifications requiring TPI agencies to directly submit relevant documents, ensuring the authenticity of reports and materials.
2. a) Procurement of all critical service items will be done from reputed manufacturers through restrictive bidding who are having Past Track Record (PTR).
b) Prior to installation, 100% PMI shall be ensured, for all critical piping at site including carbon steel materials.
3. All the fire impacted electrical lighting; fixtures & junction box are replaced with new in accordance to clause 4.0 of Schedule - 4 of PNGRB (T4S for Refinery & Gas Processing Plants) Regulations 2023.
At present periodic preventive maintenance are done for all field equipment like motor, local control stations etc. and records are maintained. All the cable glands, Junction boxes shall be inspected for tightness as per OISD-RP-147.
4. Work permit system as per OISD-105 is being followed rigorously for safe execution of job with proper authorization. Also, JSA (Job safety analysis) to be carried out prior starting of the job.
5. SMP (Standard Maintenance Procedure) developed and implemented at NRL including joint inspection by Mechanical & Inspection personnel for thorough checking during valve replacement in critical service before installation at site.
6. All SOPs related to Plant start up, equipment startup, emergency handling are kept available in hard copies near DCS console. Acknowledgement of the activities is done in logbook.
7. Approved Interlock Bypass Authorization System is in Practice. Daily monitoring is done.
8. The plant design flexibility for higher than design throughput is validated by the licensor for running any plant at NRL.
9. All MB Lal Committee recommendations applicable to Refineries have been implemented at NRL.

10. All the revision in OISD Standards/Guidelines/Recommended practices are implemented at NRL.

Note for Supplementary:

Numaligarh Refinery Limited (NRL) is a Public Sector Enterprise with a 3.0 MMTPA petroleum refinery at Numaligarh in Golaghat district of Assam. Present shareholding pattern of NRL is Oil India Limited (OIL) – 69.63%, Govt. of Assam (GoA) – 26% and Engineers India Ltd (EIL) – 4.37%.
