

Based on the following observation of OISD during the audit carried out from 28.08.2019 to 30.08.2019 at OOT related to fixed water spray at the tank TK-03:

Observation point No in the OISD Report.	Observation	Recommendations
20	Fixed water spray is not provided at the tank TK-03	Fixed water spray system should be provided on the tank as per para 4.2.5 of OISD-STD-189.

In order to comply the above OISD observation, scope of work for the job of Design, Supply, fabrication, Installation and commissioning of "Fire sprinkler system along with deluge valve for TK-03 storage tank, POL shed at G1 plant and supply and installation of deluge valve at sprinkler system of G1 compressor area was prepared and approval for the same was obtained from sanctioning authority as per para 34.1 of IMMM.

Further Tender *through GePNIC portal vide* Tender id: 2024_ONGC_207844_1 (Tender reference NO. KU7KL24004) has been floated on 11.09.2024 for the job of Design, Supply, fabrication, Installation and commissioning of "Fire sprinkler system along with deluge valve for TK-03 storage tank, POL shed at G1 plant and supply and installation of deluge valve at sprinkler system of G1 compressor area.

The Technical bid of the tender was opened on 15.10.2024 and the following 07 bids were received.

- (i) M/s BA-PAN Engineering Co.,
- (ii) M/s SVS Buildwel Pvt Ltd ,
- (iii) M/s S & A INFRA ,
- (iv) M/s Mitra Contractors,
- (v) M/s Mynor Enterprises private Limited,
- (vi) M/s Chandra Oil and Gas project services private Limited and
- (vii) M/s Precitech Industrial Equipments.

Meanwhile a request mail vide dtd.16.10.2024 was sent to OISD for dropping the aforesaid audit observation mentioning the following reasons

Quote:

As discussed over telephone, following is submitted:

Storage Tank TK 03 is a 24.5m diameter **thermally insulated tank** with 5000KL capacity for storage of crude oil. The tank was insulated envisaging storage of crude of waxy nature at high temperature.

1. It has a dedicated dyke with no other storage tank in its vicinity. At present the tank is being used to store Well Fluid from G-1 Field at normal temperature.

2. Further following Fire Protection Systems are available for TK-03 Storage tank-

- 03nos. of MVLR Water cum Foam Monitors are available on the three sides and one Portable Water cum Foam Monitor has also been made available for firefighting.
- Dedicated 3nos. of Fixed Foam Pourer System are available around the tank with 800L of foam storage tank.

- Shutdown valves (ROSOV) are provided in the Inlet & Outlet lines connecting to TK-03 tank with Fire & Gas Detection System in dyke area and remote and auto closure of valves in case of emergency.
- Fire hydrants 08nos. are available in nearby areas & can be used in case of any emergency.
- Dedicated Fire Station along with Fire Fighting crew on 24x7 basis with 06nos. of Fire Tenders are available in Odalarevu Onshore Terminal at a distance of 600m from TK-03.
- Mock Drill was also conducted with Fire Fighting Crew at OOT to check the adequacy of Fire Fighting Systems and was found to be satisfactory.
- Fire Contingency Strategy from Fire Section & photos of adequacy of fire fighting system during mock drill are also attached for your kind reference.

This is to bring out that TK-03 being a thermally insulated tank, installing of sprinklers on the outside periphery of the tank may not solve the intended purpose of cooling the body of the tank.

In view of the above, may please consider the mitigation measures adopted by Eastern Offshore Asset, ONGC w.r.t. the thermally insulated tank TK-03 and consider the OISD observation "Fixed water spray system should be provided on the tank" may please be considered as complied.

Unquote:

Based on the above reasons, OISD in-principally agreed to drop their observation and also informed us the compliance for the observation in the system will be done on or before 15.12.2024.

Since work related TK-03 is the major portion of the SOW and requirement of the same is not exist, it is proposed to be cancelled the ongoing GePNIC tender. A separate case will be initiated for scope related to the POL shed, compressor area, TK-33 in due course of time.

Present proposal:

In view of the above, it is proposed to cancel the Tender vide Tender id: 2024_ONGC_207844_1 (Tender reference NO. KU7KL24004) in GePNIC Portal.