

## Sun Petrochemicals Private Limited

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No. SunPetro/Bhaskar/Storage Tank/2025-26/SPPL-234/Bulletin-5

Date:27.04.2026

### BULLETIN #5

**Sub: Crude Oil Storage Tanks at Bhaskar-I Field, Gujarat.**

**Ref: Tender No.: SunPetro/Bhaskar/Storage Tank/2025-26/SPPL-234**

**Sun Petrochemicals Private Limited (SunPetro)**, hereby authorized following amendment / clarification in the above referred Tender:

Sr No	Bidder Queries	SunPetro Response
1	Clause 3 Sub Clause 3.1 , Civil work Bidder understands that for new tanks, no piling works is required as per available SBC of >15 t/m2 at depth below 2m. However bidder request to confirm on foundation type for the tanks whether earther or ring beam.	Normally Piling does not appears to be necessary. Foundation design to be done as per requirement relevant codes, PESO, OISD and DGMS requirements.
2	Bidder request to kindly advise on existing available details like Plot plan, P&ID, piping layouts, electrical and instrumentation layouts, GAD, BOQ of of existing crude oil storage tank farm.	The subject drawing for the existing crude oil storage tank is tentative only. Bidder to firm up post award.
3	Bidder understand that leak detection system is required to be provided for crude oil storage tanks. Please confirm.	Leak detection system is not envisaged.
4	Bidder understands that ROSOV on tank body valve shall be of electropnuematic type actuation, (in bidder scope) and MOV outside the dyke wall (Motorised type) shall be in Client scope as scope of work is limited to dyke wall only.	No, ROSOV at tank body and MOV just outside the dyke wall for tank inlet and outlet line (Refer OISD-244) are in the Bidder's Scope.
5	Bidder understands that since electrical and instrumentation scope of work is limited to dyke wall only... Since its not prefeble to cut and loose open the cables, instrumentation and Electrical cabling will require additional junction box just outside bund wall. Bidder understand that in this view cable should be terminated upto Junction Box / Distribution box inside the dyke wall only. Onwards cabling can be done by Client. Please confirm	The instrumentation and electrical cables should be terminated upto Junction Box / Distribution box outside the dyke wall, this is in the Bidder's Scope. Refer Bulletin-4
6	Bidder understands that there is no Shut down valve on foam concentrate line towards tanks foam pourere, instead there would be an automated deluge valve which will be either mechanically or electrically actuated to open up based on fire detection on tank and feed fire water from fire ring main to line towrds tank pourer along with arrangement of eductor to suck the foam concentrate from foam line. Please confirm. Also bidder understand that this whole system is in client scope.	Scope includes complete design and installation of fire water sprinkler/foam fire protection system for tanks within dyke area. Piping shall be provided up to dyke wall, with tie-in points with isolation valve just outside dyke wall. Specifically for foam line, bidder to provide NRV and solenoid operated shutdown valve with actuator along with Servo gas tubing and its manifold for SDV operation just outside the dyke wall.Cause and effect for SDV operation with tank instrumentation to be developed by the bidder

		Suitable capacity foam tank at appropriate location is in Bidder's Scope.
7	Bidder request to confirm the brownfield tie-ins, shutdown activities, work with in live plant operation for the project, basis the tentative layout & scope of work provided same can not be assessed.	This tank farm is in the existing operating complex. Though no ground field tie-in/ shutdown activities are envisaged.
9	Bidder request to confirm physical and chemical properties of crude oil for further sizing of various appurtance on tank as couldnt find in Buttetin #4 .	Crude Oil properties: Density – 812 Kg/m3 Viscosity - 3 cP at 40 deg C, 30 cP at 20 deg C
10	Bidder understand that CP type is sacrificial anode type and not Impressed Current type and hence no requirement of transformer.	Sacrificial anode type CP system for inside and Impressed current type CP system for outside with monitoring system is in the Bidder's scope and work shall be done as per applicable guideline. Power supply till TR unit will be provided by SunPetro.
11	Bidder understands that with regards to Electrical Scope of work, scope is limited to provision of Cathodic Protection for tanks, Area lighting with in Dyke area, eathing of equipments/structure within dyke area. Kindly confirm.	1. CP system for inside and outside with monitoring system is in the Bidder's scope and work shall be done as per OISD guideline. Power supply till TR unit will be provided by SunPetro. 2. Halogen Lighting to be provided on the corners of the roof as per LUX level. Lighting to be provided for stairs Minimum two point contact to be provided to each tank Grid type earthing To meet the area illumination, Bidder to consider suitable Highmast with appropriate LUX value covering the entire dyke area and tank top.
13	Bidder understand that for blending purposes, jet mixers needs to be provided in the recirculation line and no any additional plenty type mixer needs to be considered. Kindly please confirm.	Jet Mixers are not required
14	Bidder request to confirm, pump in and pump out rate of product during product loading, recirculation, inter tank transfer scenarios.	1.Evacuation Flowrate to be considered as 200m3/hr and Production and evacuation nozzle size to be considered as 12" 2.Vapor balance line nozzle to be considered as 8". 3.Recirculation / inter-transfer rate shall be considered as 15 m <sup>3</sup> /hr. However, this value may be reviewed and revised during detailed engineering

All other terms and conditions of the Tender remain unchanged.

**Regards,**

**Sun Petrochemicals Pvt. Ltd**