

**SCHEDULE OF REQUIREMENT**

**Description:**

Fabrication / Fitting services of Steam coils in already fabricated Cap: 500 BBls 04 Nos. rectangular Crude Storage Tanks Size: 40' x 8' x 10' are required. The tanks are available at Chaknaurnag Oil Field Near Distt. Chakwaal. The scope of work is given below.

- 1- Fabrication and installation of 2" dia. Boiler tube ASTM-192 Wall Thickness 2.95 mm. The layout of the tube bundles is mentioned in the attached drawing.
- 2- Removal of FRP coating where removed to weld support of the boiler tube bundle with the bottom of the tanks and re-coating of FRP after completion of works of base and complete support. Holiday test of re-coated FRP.
- 3- Steam coil shall be terminated at skid edge of the tank as per drawing terminated with 2" dia Class 300# globe valve of European/USA or equivalent along with companion flange, stud nuts and gaskets of the same size and class rating.
- 4- Hydro-testing: Test pressure: 500 PSI for 24 hrs. OGDCL shall provide water only. All the required equipments like valve, pump and gauges shall be arranged by bidder themselves

Only boarding/Lodging to the approved contractor's manpower shall be provided at Chaknaurnag Oil Field the rest of any services required for the completion of the works shall be arranged by contractor themselves.

**Delivery period** : 30 days after issuance of service order.

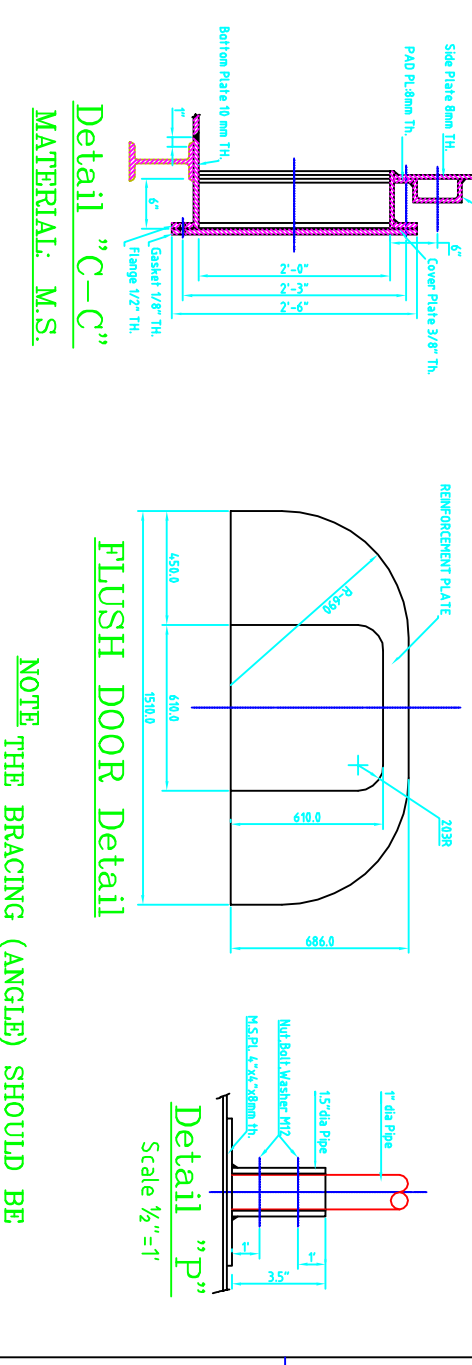
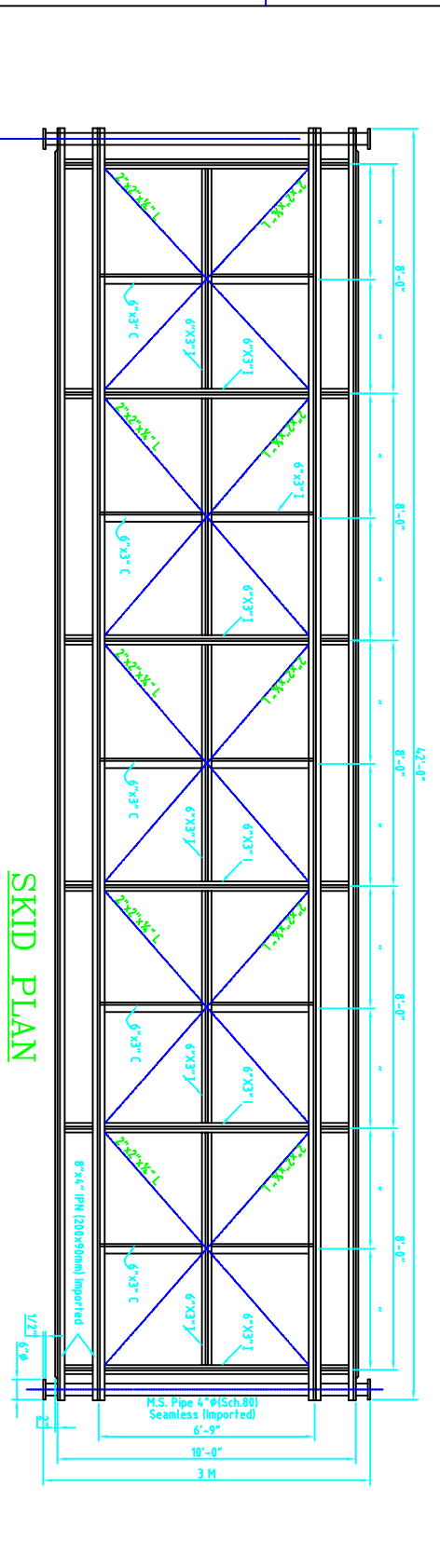
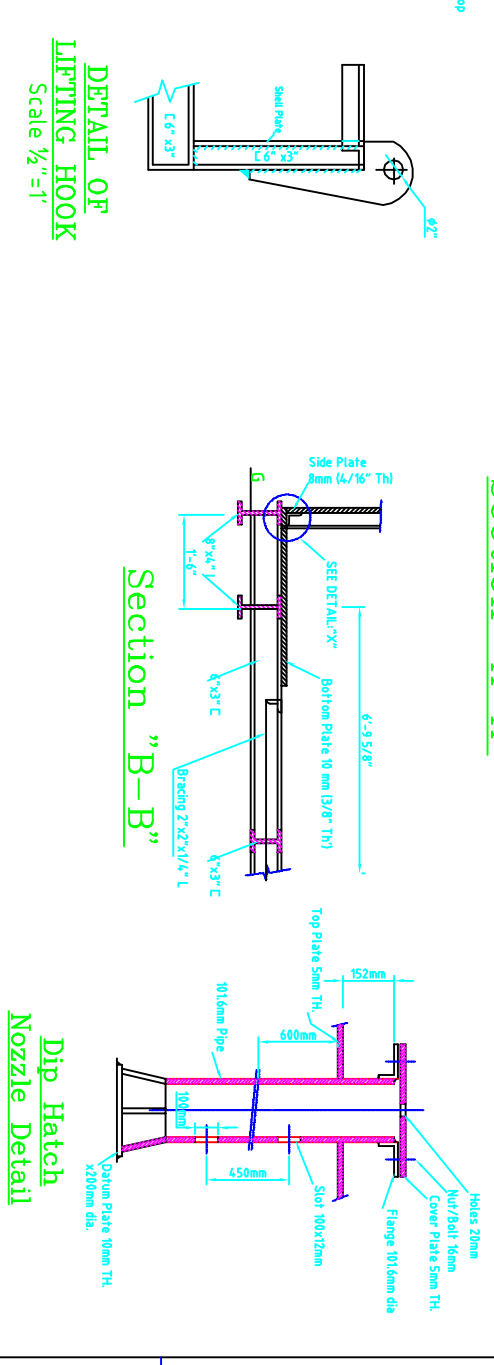
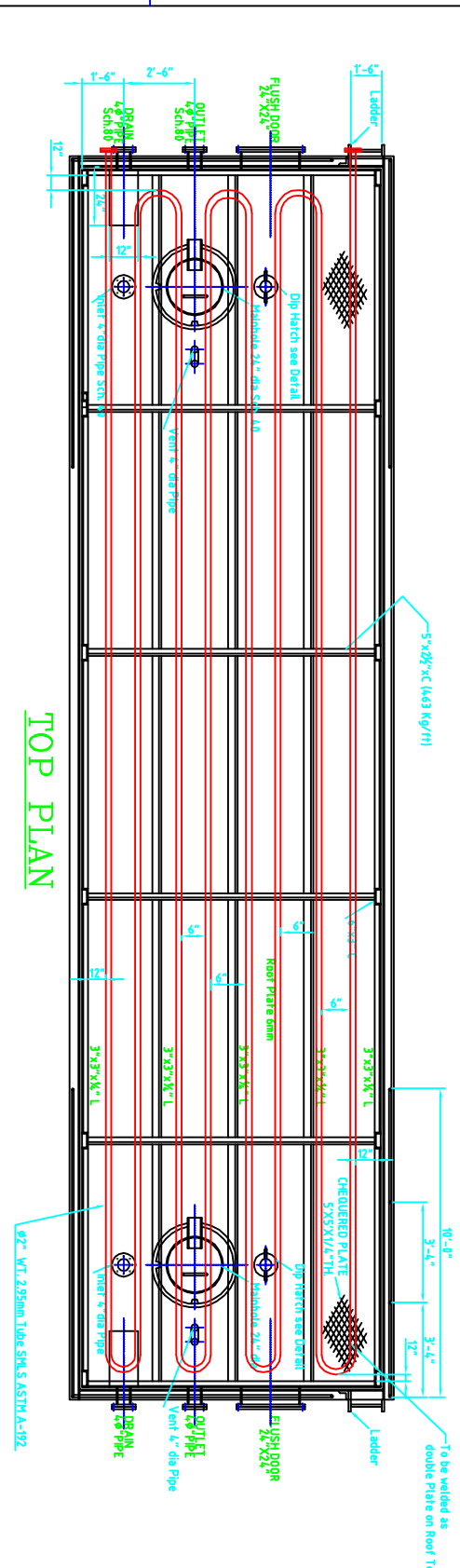
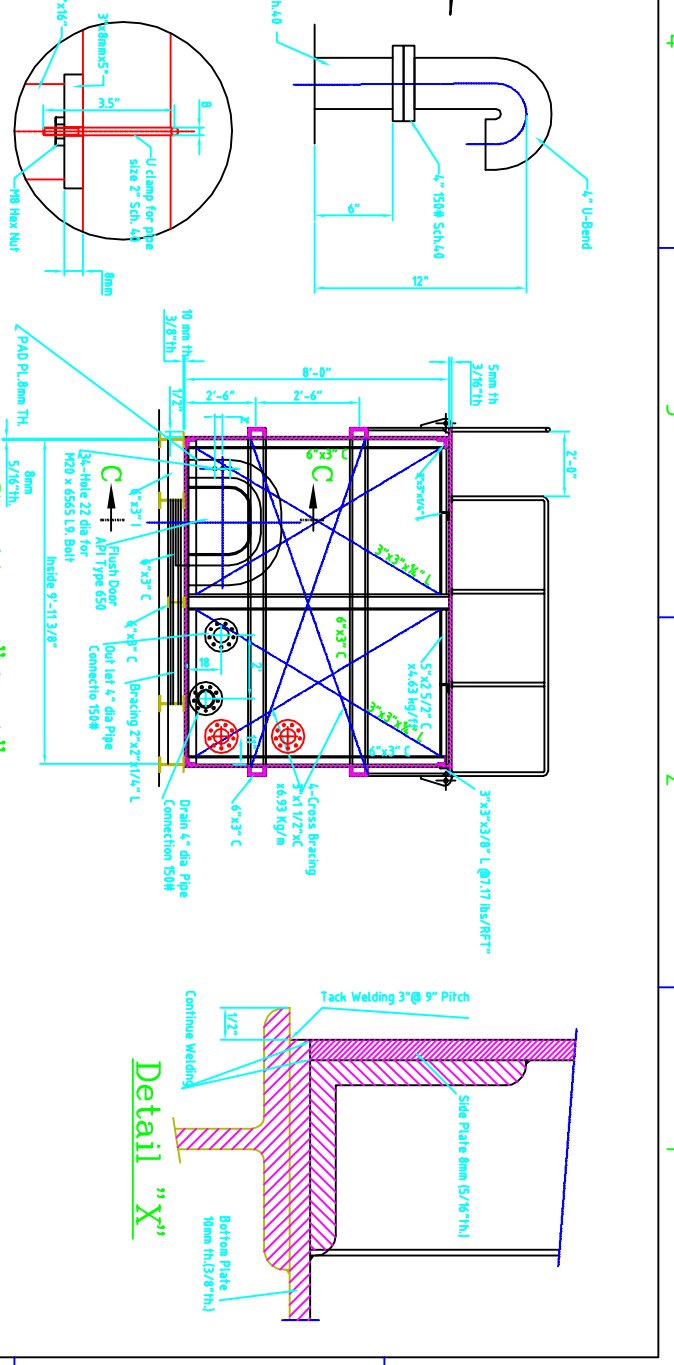
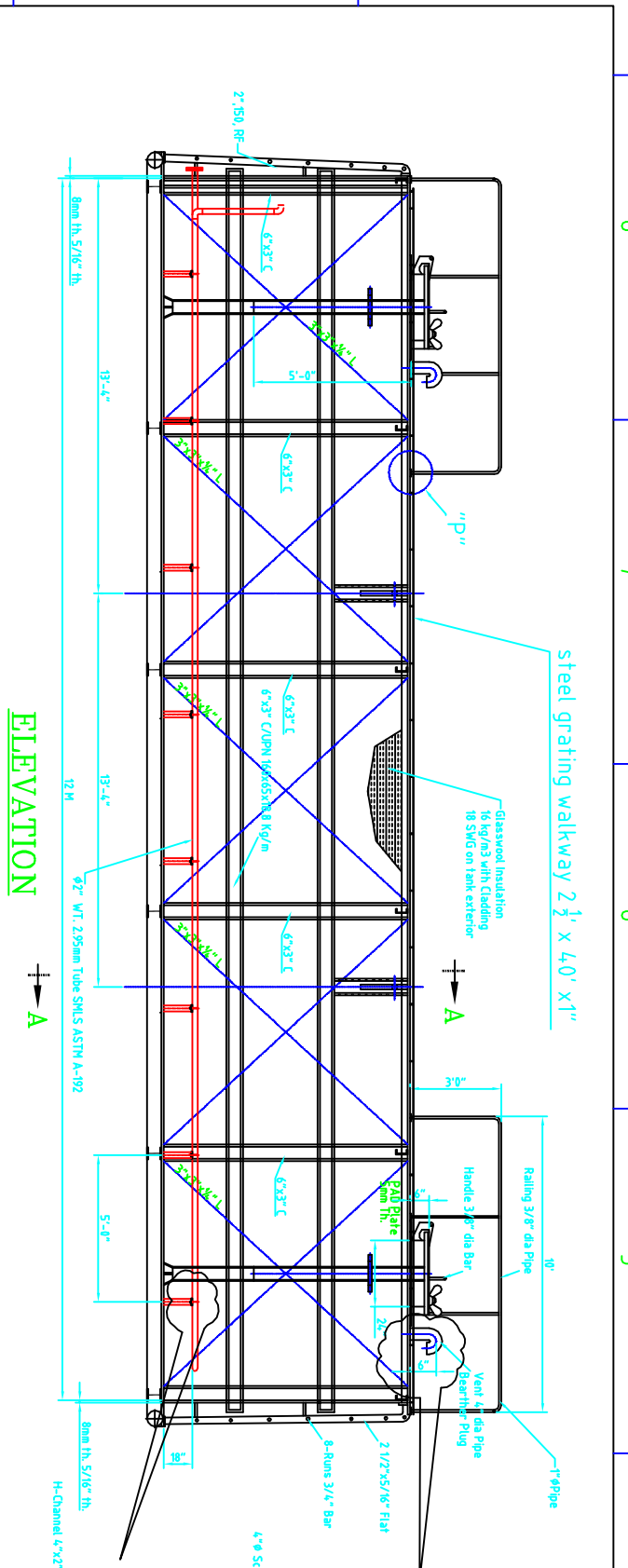
**Payment** : 100 % after completion of works, inspection at field.

**Fabrication / Fitting of MS Steam coils, 2" dia in 04 Nos Rectangular crude oil storage Requirement Detail.**

Sr.#	Description	Qty	Cost FOR Basis (Pak. Rupees)
01	Fabrication / Fitting services of Steam coils in already fabricated Cap: 500 BBls 04 Nos. rectangular Crude Storage Tanks Size: 40' x 8' x 10' are required. The tanks are available at Chaknaurnag Oil Field Near Distt. Chakwaal. Test pressure=500 psi Operating pressure= 300 psi approx. steam temperature : 421 F FRP coating at tanks floor.	04 Nos	To be provided by the Bidder.

**Provision of documents:** Following Documents are required along with the bid.

- 1- Supply record of last 03 years for the fabrication/installation of metal works especially tanks, pipe line etc.
- 2- Bidding firm must be registered and have valid NTN Number.



**NOTE 1:** - All welding to be done with co2 welding machine.  
**2:** - Roof shall be provided 30 mm slop from centre.  
**3:** - Design Code API-650.

**NOTE THE BRACING (ANGLE) SHOULD BE TACK WELDED 3" AT 9" PITCH ZIG-ZAG.**

DRAWING HISTORY	
ISSUE	PURPOSE
8	
7	
6	
5	

Approved	Rashid Mehmood
Checked	Fasih Akhtar
Design by	Arfan Butt
CAD by	Abid Hussain Shah
Project Engineer	

Scale:	NTS
File Name:	TK-MS500_Heating_coilDWG
Dated:	17-04-2012
Drawing No.	TK-MS-500-Heating-Coils
Sheet No.	1 of 2

Oil & Gas Development Company Ltd.  
 Petroleum Engg. & Facilities Deptt.  
 Production Division

Project:  
**OIL STORAGE TANK**

Title:  
**OIL STORAGE TANK (500 BBL) WITH HEATING COILS**

Size:  
**A3**