



**OIL AND GAS DEVELOPMENT COMPANY LIMITED
NASHPA OIL & GAS FIELD**

SCHEDULE OF REQUIREMENT

TENDER ENQUIRY # TE/EPF/003/2022

**Hiring of Technical Services for Painting and Installation of Insulation for Wali Early
Production Facility**

S#	Description	Reference #	Rate	Total rate (inclusive of all Taxes)	Deviation
1	As per attached Scope of Work				

SCOPE OF WORK

Painting Scope

1. Surface preparation of pipe spools, equipment and vessels
2. Painting of pipe spools, equipment and vessels in compliance with paint specification document provided by OGDCL
3. Paint material to be used must be industrial grade quality with following specifications:
 - a. PRIMER COAT: Inorganic Zinc Silicate Primer, ICI Berger or Equivalent. COLOR: for Light Grey final coat TEMP: 90°C<operating temperature≤400°C
 - b. INTERMEDIATE & FINAL COAT: Polyurethane Enamel, ICI Berger or Equivalent. COLOR: Light Grey (RAL No. 7035) TEMP: -20°C<operating temperature≤90°C,
 - c. Date of manufacturing for material to be used should be within **03 months at the time of execution of works**
 - d. Evidence to be provided along with bid documents
4. Estimated surface area for painting scope is **1500 m²**
5. Rate must be quoted on per m² surface area basis (inclusive of materials)

Sr No.	Vessel/Equipment	Detail of Coats	Unit	Surface Area	Unit Rate PKR	Extended Rate PKR
1.	Fuel Gas Vessel	*1 st Coat 40-50 microns DFT	m ²	40		
2.	Fuel Header Piping	*2 nd Coat 40-50 microns DFT	m ²	30		
3.	K.O. Vessel		m ²	80		
4.	Coalescer Filter Vessel	*3 rd Coat 25-30 microns DFT *4 th Coat 25-30 microns DFT	m ²	45		
5.	Water Bath Heater	*1 st Coat 50-55 microns DFT	m ²	60		
6.	Guard Bed Filter Vessels		m ²	35		
7.	Particle Dust Filter Vessels	*2 nd Coat 25 microns DFT	m ²	35		
8.	Membrane Skid	*3 rd Coat 25 microns DFT	m ²	45		
9.	Feed Gas Cooler	*1 st Coat 40-50 microns DFT *2 nd Coat 40-50 microns DFT *3 rd Coat 25-30 microns DFT *4 th Coat 25-30 microns DFT	m ²	30		
10.	Inlet Gas Separator Vessel		m ²	50		
11.	Glycol Contactor Tower		m ²	70		
12.	Outlet Gas Separator Vessel		m ²	30		
13.	Flare K.O. Drum		m ²	80		
14.	Glycol Regeneration Skid	*1 st Coat 50-55 microns DFT *2 nd Coat 25 microns DFT	m ²	80		

		*3 rd Coat 25 microns DFT				
15.	Membrane Unit Piping	*1 st Coat 40-50 microns DFT	m ²	100		
16.	Dehydration Unit Piping	*2 nd Coat 125-130 microns DFT	m ²	350		
17.	Flare Header Pipe	*3 rd Coat 40-50 microns DFT	m ²	340		

Insulation Scope

1. Installation of thermal insulation, reinforcement/securement with wire cage, installation of cladding sheet and sealing of holes and crevices in compliance of insulation specification manual/document provided by OGDCL
2. Specifications of Insulation to be used are as following:
 - a. Rock Wool Rolls 3" Thickness, 1mx 5m, Density, 80kg/m³ (insulation upto 350degC)
 - b. G.I Sheet 24 Gauge
 - c. Evidence to be provided along with bid documents
3. Estimated surface area for installation of thermal insulation is **650 m²**
4. Rate must be quote on per m² pipe & vessel area and not on the final insulation area (inclusive of materials)

Sr No.	Vessel/Equipment	Insulation Type	Unit	Surface Area	Unit Rate PKR	Extended Rate PKR
1.	Water Bath Heater	*Mineral Wool preformed Section (100 kg/m ³)	m ²	145		
2.	Guard Bed Filter Vessels		m ²	100		
3.	Particle Dust Filter Vessels		m ²	100		
4.	Membrane Skid	*Mineral Wool slabs (65-80 kg/m ³)	m ²	145		
5.	Membrane Unit Piping		m ²	160		

TERMS AND CONDITIONS

1. All participants should carefully read TOR's attached with the Tender documents before submission of Bid.
2. Bidder must provide prior experience certificates of similar nature work during plant erection along with bid documents. Minimum 05 years of relevant experience is mandatory
3. Bids to be provided on per unit basis against each line item
4. Technical & Financial evaluation will be made on entire scope of work and OGDCL reserves the right to reject bid if the same is found to fall short of any requirement as mentioned in this SOR
5. After issuance of formal work order, Contractor is to provide services immediately or at a date mentioned by OGDCL.
6. Contractor must provide prior experience certificates of its Work force.
7. Contractor should ensure the police verification of all manpower direct and indirect and must have bio-data file of each.
8. The Quantities contained in the scope of work for each activity are estimated and liable to change (increase, decrease or omitted) when the work is actually executed. The payment to be made to the Contractor shall be based on the actual quantity of work performed.
9. OGDCL reserves the right to inspect, stop and advise rework for any job either during execution or after execution, if deemed necessary by the Company's representative based on quality of the job, finish of the job or if the job is not being or have been performed in line with the best engineering practices. In this regard the rework with material will be in Contractor's Scope.
10. Contractor is to abide by all safety Rules and Regulations of OGDCL.
11. All Kind of Equipment, Tool & Consumables will be in Contractor's scope.
12. Contractor will provide all kind of PPE's to its labor.
13. Logistics support of limited nature will be provided by OGDCL.
14. OGDCL will not provide boarding/lodging to the manpower of contractor. However area will be designated for contractor to set up his own camp. Facility of lavatory will be provided by OGDCL.
15. Payment will be made through Cross Cheque after inspection of completed jobs as per SOR.
16. Partial Payments will not be made, in any case.
17. Contractor must submitted following documents for invoicing:
 - a. Commercial Invoice
 - b. Services Tax Invoice
 - c. Annexure-C
 - d. Account Details on Letter Head
18. The Contractor should have valid NTN and GST number and have active status on FBR website.
19. The Contractor should have active Professional tax certificate of concerned Excise office where operating business, all these documents will be submitted as part of Bid.