



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

Date: 20-05-2020

**SCHEDULE OF REQUIREMENT**  
**TENDER ENQUIRY # TE/NOF/M/07/2020**

HIRING OF TECHNICAL SERVICES FOR EXECUTION OF ATA-2020 JOBS AT NASHPA PLANT

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

## NASHPA ATA-2020 SCOPE OF WORK

SR #	Description of Job	Asset/Detail/ Equipment Tag #	Area Code	QTY	Unit rate PKR	Total Price PKR
<b>Slug Catcher &amp; Separation Batteries. (Unit-2000/2100)</b>						
1.	Installation of Scaffolding at Slug Catcher Oil Header	SC-2001	20	20 ft <sup>2</sup>		
2.	Opening/cleaning/inspection of HMC HP Separators including all Level Gauges and Strainers	V-2101	21	1		
3.	Opening/cleaning/inspection of HMC MP Separators including all Level Gauges and Strainers	V-2102	21	1		
4.	Opening/cleaning/inspection of HMC LP Separators including all Level Gauges and Strainers	V-2103	21	1		
5.	Ball Valve RTJ 12" Class 900 Repair/Replacement (HMC HP Inlet Valve)	V-2103	21	1		
6.	Ball Valve 10" Class 900 Repair/Replacement (HMC HP Liquid Line)		21	1		
7.	External cleaning of inlet evaporative cooler louvre inspection & rectification (if required), fan pitch inspection, fan shaft & hub inspection.	EA-2101	21	1		
8.	Removal of Scaffolding at Slug Catcher Oil Header	SC-2001	20	20 ft <sup>2</sup>		
<b>Crude Stabilization Unit (Unit-2200)</b>						
9.	Installation of Scaffolding at Stabilizer Reboiler /Stabilizer Heat Exchanger	E-2201/E-2202	22	Approx 40 ft <sup>2</sup>		
10.	Removal of Insulation at Stabilizer Reboiler/Stabilizer Heat Exchanger Condensate Filters Condensate Coalescer Filters	E-2201/E-2202/F-2201A/B/ F-2202	22	Approx 500 ft <sup>2</sup>		
11.	Replacement/cleaning of filters	F-2201-A	22	1		
12.	Replacement/cleaning of filters	F-2201-B	22	1		
13.	Cleaning of Strainer	P-2201-A	22	1		
14.	Cleaning of Strainer	P-2201-B	22	1		
15.	Opening/cleaning/inspection of tower.	C-2201	22	1		
16.	(Reboiler) bundle removal/cleaning/replacement/Pressure Testing.	E-2201	22	1		
17.	(Pre-heater) Bundle removal/cleaning/Pressure Testing.	E-2202	22	1		
18.	Cleaning of all LGs of condensate stabilization unit.	Unit-2200	22	1		
19.	External cleaning of crude cooler louver inspection & rectification (if required), fan pitch inspection, fan shaft & hub inspection.	EA-2201	22	1		
20.	External cleaning of crude cooler, louver inspection & rectification (if required), fan pitch inspection, fan shaft & hub inspection.	EA-2204	22	1		
21.	Cleaning of Suction Strainers.	Unit-2200	22	1		
22.	Installation of Insulation at Stabilizer Reboiler/Stabilizer Heat Exchanger/Condensate Filters/Condensate Coalescer Filters.	E-2201/E-2202/F-2201A/B/ F-2202	22	Approx 500 ft <sup>2</sup>		
23.	Removal of Scaffolding at Stabilizer Reboiler Stabilizer Reboiler /Stabilizer Heat Exchanger	E-2201 E-2202	22	Approx 40 ft <sup>2</sup>		
24.	NRV RTJ 3" Class Replacement/Repair 900 (Overhead Compressor 2 <sup>nd</sup> Stage Discharge line)	K-2201	22	1		
<b>Gas Dehydration Unit (Unit-2300)</b>						
25.	Installation of scaffolding at Dehydration Unit	Unit-2300	23	Approx 70 ft <sup>2</sup>		
26.	Removal of Insulation at Dehydration Unit	Unit-2300	23	100 ft <sup>2</sup>		
27.	Replacement/cleaning of Feed Gas Coalescer Filter	F-2301-A	23	1		
28.	Replacement/cleaning of Feed Gas Coalescer Filter	F-2301-B.	23	1		
29.	Regen Gas Pre-heater Bundle removal/cleaning/replacement/Pressure Testing, tube internal & external cleaning (Hydrojetting and manual rodding).	E-2303	23	1		
30.	Regen Gas heater Bundle removal/cleaning/replacement/Pressure Testing, external tube cleaning is required.	E-2302	23	1		
31.	External cleaning of Regen Gas Cooler, louver inspection & rectification (if required), fan pitch inspection, fan shaft & hub inspection. Opening of tubes plugs both sides, dismantling of 4"x 900 connections, internal cleaning (Hydrojetting and manual rodding) is required. Also Eddy Current testing is required	EA-2301	23	1		

32.		Ball Valve RF 10"x8" Class 600 Repair/Replacement (Inlet Gas Valve)	E-2301 V-2301	23	1		
33.		Ball Valve RF 10"x8" Class 600 Repair/Replacement (Mercury Guard Bed Inlet & By pass Valves)	F-2302 V-2304	23	2		
34.		Ball Valve RF 2"x1-1/2" Class 600 Repair/Replacement (Inlet Gas Filter LT Isolation Valves)	F-2301	23	2		
35.		Globe Valve RTJ 2" Class 900 Repair/Replacement (Mol. Sieve Dryer A,B,C Drain Line)	V-2302 A/B/C	23	3		
36.		Gate Valve RTJ 2" Class 900 Repair/Replacement (Mol. Sieve Dryer A,B,C Drain Line)	V-2302 A/B/C	23	3		
37.		Ball Valve RF 1" Class 600 Repair/Replacement (Mol. Sieve Inlet Scrubber LCV Bypass line)	V-2301	23	1		
38.		Opening/cleaning/inspection of Regen scrubber	V-2303.	23	1		
39.		Cleaning of suction strainer Regeneration Blowers	K-2301-A	23	1		
40.		Cleaning of suction strainer Regeneration Blowers	K-2301-B	23	1		
41.		Surface preparation for NDT for Regeneration Gas cycle (at different points on same equipment)	Unit-2300	23	1		
42.		Insulation on electric heat tracings of dehydration unit LT's.	Unit-2300	23	1		
43.		Installation of Insulation at Dehydration Unit	Unit-2300	23	100 ft <sup>2</sup>		
44.		Removal of scaffolding at Dehydration Unit	Unit-2300	23	Approx 70 ft <sup>2</sup>		
<b>LPG Recovery Unit (Unit-2400)</b>							
45.		Installation of Scaffolding at LPG Unit	Unit-2400	24	20 ft <sup>2</sup>		
46.		Removal of Insulation from LPG Unit	Unit-2400	24	50 ft <sup>2</sup>		
47.		External cleaning of LPG Condenser EA-2401, EA-2403/EA-2404/EA-2701 (Product Coolers), louver inspection & rectification (if required), fan pitch inspection, fan shaft & hub inspection.	EA-2401 EA-2403 EA-2404 EA-2701	24	1		
48.		Rotor assembly inspection/replacement of (Turbo Expander).	Unit-2400	24	1		
49.		Refrigeration Package propane cooler water basin cleaning.	Unit-2400	24	1		
50.		Refrigeration Package propane coolers cleaning and fans inspection.	Unit-2400	24	1		
51.		Globe Valve SW 1" Class 1500 Replacement (Absorber Bottom Methanol Injection)	C-2401	24	1		
52.		Ball Valve RF 1"x3/4" Class 600 Repair/Replacement (Methanol Injection Multi pass Exchanger inlet line)	E-2403	24	1		
53.		Ball Valve RF 4" Class 300 SS Repair/Replacement (CS-2411 Downstream isolating valve)	E-2403/CS-2411/V-2405	24	1		
54.		Ball Valve RF 6" Class 300 Repair/Replacement (CS-2412 Upstream isolating valve)	E-2403/CS-2412/V-2404	24	1		
55.		Ball Valve RF 8" Class 300 SS Repair/Replacement (CS-2402 Downstream isolating valves)	C-2401/CS-2402/E-2406	24	1		
56.		Installation of Insulation at LPG Unit	Unit-2400	24	50 ft <sup>2</sup>		
57.		Removal of Scaffolding from LPG Unit	Unit-2400	24	20 ft <sup>2</sup>		
<b>Hot Oil Heaters (Unit-3100)</b>							
58.		Installation of Scaffolding at Hot Oil Side Stream Filter Vessel	Unit-3100	31	20 ft <sup>2</sup>		
59.		Removal of Insulation at Hot Oil Circulation Pump Strainers	Unit-3100	31	Approx 100 ft <sup>2</sup>		
60.		Suction strainer cleaning of Hot Oil Pumps	P-3101A	31	1		
61.		Suction strainer cleaning of Hot Oil Pumps	P-3101B	31	1		
62.		Suction strainer cleaning of Hot Oil Pumps	P-3101C	31	1		
63.		Hot Oil Filter replacement/cleaning	F-3101	31	1		
64.		Opening of Hot Oil Heaters man ways and inspection windows for internal inspection & Cleaning	H-3101-A	31	1		
65.		Opening of Hot Oil Heaters man ways and inspection windows for internal inspection & Cleaning	H-3101-B	31	1		
66.		Main burner tip inspection and cleaning if required.	Unit-3100	31	1		
67.		Pilot flame arrestor cleaning.	Unit-3100	31	1		
68.		Refractory repair (If required).	Unit-3100	31	1		
69.		Pilot Gun cleaning.	Unit-3100	31	1		
70.		Inspection of Air Blowers.	Unit-3100	31	1		
71.		Hot Oil Leakage removal	Unit-3100	31	1		
72.		Installation of Insulation at Hot Oil Circulation Pump Strainers	Unit-3100	31	Approx 100 ft <sup>2</sup>		
73.		Removal of Scaffolding at Hot Oil Side Stream Filter Vessel	Unit-3100	31	20 ft <sup>2</sup>		
<b>Sales Gas Compressors (Unit-2500)</b>							
<b>LPG Storage &amp; Loading (Unit-2700/2800)</b>							
74.		Removal of Insulation from LPG loading pump skid	Unit-2700/2800	27	75 ft <sup>2</sup>		

75.		Ball Valve RF 6"x4" Class 150 Repair/Replacement (LPG Loading Pump A & B suction)	P-2701 A/B	27	2		
76.		Ball Valve RF 3"x2" Class 150 Repair/Replacement (LPG Loading Pump A recycle valve)	P-2701 A	27	1		
77.		Installation of Insulation from LPG loading pump skid	Unit-2700/2800	28	75 ft <sup>2</sup>		
<b>Instrument Air &amp; Nitrogen Generation Package (Unit-3400/3900)</b>							
78.		Cleaning & Replacement of filters F-3401 A/B/C/D, F-3402 A/B, F-3901 A/B, F-3902 A/B, F-3903 A/B	Unit-3400 Unit-3900	34 39	10		
79.		Cleaning of Instrument Air Package Coolers & Air Coolers.	Unit-3400 Unit-3900	34 39	1		
80.		Dryer Desiccant replacement if required.	Unit-3400 Unit-3900	34 39	1		
<b>Flare System/Closed Drain System/Produced Water System (Unit-3200/3300/3800)</b>							
81.		Cleaning of Strainers of Produced water Transfer Pumps	P-3801A	38	1		
82.		Cleaning of Strainers of Produced water Transfer Pumps	P-3801B	38	1		
83.		Flare KO Drum Opening and Cleaning including Level Gauges	V-3201	32	1		
84.		Flare KO Drum Pump Suction Strainer Cleaning.	P-3201A	32	1		
85.		Flare KO Drum Pump Suction Strainer Cleaning.	P-3201B	32	1		
86.		Produced Water Pump Suction Strainer Cleaning.	P-3804A	38	1		
87.		Produced Water Pump Suction Strainer Cleaning.	P-3804B	38	1		
88.		Internal Cleaning of CPI PIT	P-3801	38	1		
89.		Opening/Internal Cleaning/inspection of (Degasser).	V-3801	38	1		
90.		Cleaning of flame arrestor	V-3301	33	1		
91.		Pump inspection.	P-3301A	33	1		
92.		Pump inspection.	P-3301B	33	1		
93.		Inspection/cleaning of Oily water basin	T-3801	38	1		
94.		Flare Stack Burner Tip Inspection.		38	1		
<b>Fire Water System/Utility Water System RO Unit (Unit-3500/3700)</b>							
95.		Cleaning of Suction Strainers of Utility area pumps	P-3701A	37	1		
96.		Cleaning of Suction Strainers of Utility area pumps	P-3701B	37	1		
97.		Cleaning of Suction Strainers of Utility area pumps	P-3701C	37	1		
98.		PVC Leakages rectification.	Unit-3500/3700	35	1		
99.		Cleaning of Coagulation Tank	C-001	35	1		
100.		External Cleaning of Coolant Air Coolers.	G1/G2/G3		3		
101.		Cleaning of Air Filters.	G1/G2/G3		3		
102.		General Housekeeping of Generator Enclosure & Power House.	G1/G2/G3		3		

## Terms & Conditions

1. Financial evaluation will be carried out on Grand Total basis. Contract will be awarded to technically responsive and financially lowest evaluated bidder.
2. The prices shall be quoted in Pak Rupees Inclusive of provincial service tax
3. All bidders should carefully read TOR's attached with the Tender documents before submission of Bid.
4. OGDCL will not provide any kind of boarding/lodging.
5. Logistics support (Crane, Lifter and Trailer) will be provided by OGDCL.
6. Power will be provided by OGDCL.
7. Consumables (Cotton rags, Filters, Emery papers, Gaskets etc.) will be provided by OGDCL.
8. Blind/ spades for isolation and pressure testing by OGDCL
9. NDT/third party inspection/RT by OGDCL
10. Hydro test pumps, tanks and hose pipes by OGDCL
11. Nitrogen for leak test by OGDCL
12. Contractor will arrange all tools required for maintenance
13. Contractor will provide required PPE's to its labor.
14. Contractor will comply with HSE policy of OGDCL.

15. Contractor will follow the safety protocols regarding Corona Pandemic. While at site the contractor's workforce is required to wear surgical masks at all times (arranged by contractor itself) and maintain social distancing as much as possible.
16. After issuance of formal work order, Contractor is to provide services immediately or at a date mentioned by OGDCL.
17. Payment will be made through Cross Cheque after inspection of completed jobs as per SOR.
18. The estimated scope of work is 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.
19. 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 will be in Contractor's Scope.
20. Contractor must have prior experience of Plant maintenance at oil and Gas Companies.
21. Partial Payments will not be made, in any case.
22. Management of the plant reserves the right to curtail the job list or terminate the services of any hired staff at any time without any reason.
23. Contractor should ensure the police verification of all manpower direct and indirect and must have bio-data file of each.
24. Contractor will follow the safety protocols regarding Corona Pandemic.

