



# OIL AND GAS DEVELOPMENT COMPANY LIMITED

## NASHPA OIL AND GAS FIELD

Date: 16-06-2020

### SCHEDULE OF REQUIREMENT

### TENDER ENQUIRY # **NOF/INST/ATA/005/2020**

Hiring of services for Nashpa ATA-2020 for Testing, Servicing, Calibration, Certification of PSV's, Control valves and Transmitters etc., installed at Nashpa Plant.

S#	Description	Reference #	Rate	Total rate (inclusive of all Taxes)	Deviation
1	As per attached list (scope of work)				

# SCOPE OF WORK

**\*Dismantling, shifting to workshop, refurbishment, lapping, parts replacement, shifting from plant to workshop and vice versa, re-installation & box up of PSV's and Control Valves IF REQUIRED.  
Inspection, calibration, pressure testing, commissioning of Control Valves and PSVs.**

**\*Transmitters work consists of calibration and servicing.**

S.No	Description of Job/Asset	Asset/Detail/Equipment Tag #	Model/Size	Area Code	Qty	UNIT RATE	TOTAL
1	Pressure Safety Valve	PSV-2003	Crosby 4", 4L6JBS-E55RJ	20	1		
2	Pressure Safety Valve	PSV-2004	Crosby 4", 4L6JBS-E55RJ	20	1		
3	Pressure Safety Valve	PSV-H01	EFS-1415, 4"	21	1		
4	Pressure Safety Valve	PSV-H02	EFS-1415, 4"	21	1		
5	Pressure Safety Valve	PSV-2300	Crosby 4", 4L6JBS-E55RJ	23	1		
6	Pressure Safety Valve	PSV-2309	Crosby 1.5", 1.5D2JBS-E55RJ	23	1		
7	Pressure Safety Valve	PSV-2308	Crosby 1", 1D2JBS-E45J	23	1		
8	Pressure Safety Valve	PSV-2402	Anderson Greenwood 3", 24910L34/S	24	1		
9	Pressure Safety Valve	PSV-2407	Crosby 4", 4L6JBS-E35J	24	1		
10	Pressure Safety Valve	PSV-2502A	Farris,4"	25	1		
11	Pressure Safety Valve	PSV-2502B	Farris,4"	25	1		
12	Pressure Safety Valve	PSV-2502C	Farris,4"	25	1		
13	Pressure Safety Valve	PSV-3001	2"	30	1		
14	Pressure Safety Valve	PSV-3801	1 1/2"	38	1		
15	Pressure Safety Valve	PSV-2741	1"	27	1		
16	Pressure Control Valve	PCV-2001	6"	20	1		
17	Pressure Control Valve	PCV-2002	10"	20	1		
18	Level Control Valve	LCV-2001	3"	20	1		
19	Level Control Valve	LDCV-2002	1 1/2"	20	1		
20	Pressure Control Valve	PCV-H01	NORRISEAL 8", RJ-21TGS- 12NX	21	1		
21	Pressure Control Valve	PCV-M01	NORRISEAL 2", RJ-14TGS- 12NX	21	1		
22	Pressure Control Valve	PCV-L01	NORRISEAL 2", RF-02TGS- 12NX	21	1		
23	Level Control Valve	LCV-H01A	NORRISEAL 6", RJ-21TGS- L8NX	21	1		
24	Level Control Valve	LCV-H01B	1"	21	1		
25	Level Control Valve	LCV-H02A	NORRISEAL 2", RJ-21TGS- 12NX	21	1		
26	Level Control Valve	LCV-H02B	1"	21	1		
27	Level Control Valve	LCV-M01	NORRISEAL 6"	21	1		
28	Level Control Valve	LCV-M02	NORRISEAL 1", RJ-14TGS- 12NX	21	1		
29	Level Control Valve	LCV-L01	NORRISEAL 4", RF-02TGS- 10NX	21	1		
30	Level Control Valve	LCV-L02	NORRISEAL 1", RF-02TGS- 12NX	21	1		

31	Level Control Valve	LDCV-2201	Fisher 1"	22	1		
32	Level Control Valve	LDCV-2203	Fisher 1"	22	1		
33	Level Control Valve	LCV-2202	6"	22	1		
34	Temperature Control Valve	TCV-2209	10"	22	1		
35	Level Control Valve	LCV-2205	Fisher 6"	22	1		
36	Temperature Control Valve	TCV-2217	Fisher 3"	22	1		
37	Level Control Valve	LCV-2204	Fisher 6"	22	1		
38	Pressure Control Valve	PCV-2203A	Fisher 1.5"	22	1		
39	Pressure Control Valve	PCV-2203B	Fisher 1.5"	22	1		
40	Pressure Control Valve	PCV-2223	Fisher 3"	22	1		
41	Pressure Control Valve	PCV-2224	2"	22	1		
42	Pressure Control Valve	PCV-2233	3"	22	1		
43	Pressure Control Valve	PCV-2229	4"	22	1		
44	Level Control Valve	LCV-2211	3"	22	1		
45	Level Control Valve	LCV-2206	1"	22	1		
46	Level Control Valve	LCV-2207	2"	22	1		
47	Level Control Valve	LCV-2208	2"	22	1		
48	Level Control Valve	LCV-2320	Fisher 2" 300	23	1		
49	Level Control Valve	LCV-2301	1"	23	1		
50	Level Control Valve	LCV-2303	1"	23	1		
51	Level Control Valve	LCV-2300	1"	23	1		
52	Level Control Valve	LCV-2305	1"	23	1		
53	Temperature Control Valve	TCV-2317	4"	23	1		
54	Temperature Control Valve	TCV-2330	8"	23	1		
55	Temperature Control Valve	TCV-2355	3"	23	1		
56	Pressure Control Valve	PCV-2319	6"	23	1		
57	Level Control Valve	LCV-2400	3"	24	1		
58	Level Control Valve	LCV-2401	3"	24	1		
59	Level Control Valve	LCV-2403	3"	24	1		
60	Level Control Valve	LCV-2404	2"	24	1		
61	Level Control Valve	LCV-2406	3"	24	1		
62	Level Control Valve	LCV-2407	1 1/2"	24	1		
63	Level Control Valve	LCV-2409	1"	24	1		
64	Level Control Valve	LCV-2410	1"	24	1		
65	Level Control Valve	LCV-2411	2"	24	1		
66	Temperature Control Valve	TCV-2403	3"	24	1		
67	Temperature Control Valve	TCV-2404	4"	24	1		
68	Pressure Control Valve	PCV-2412	4"	24	1		
69	Flow Control Valve	FCV-2402	Fisher	24	1		
70	Pressure Control Valve	PCV-2435	8"	24	1		
71	Temperature Control Valve	TCV-2422	6"	24	1		
72	Pressure Control Valve	PDCV-2404	3"	24	1		
73	Flow Control Valve	FCV-2404	1 1/2"	24	1		
74	Temperature Control Valve	TCV-2428	4"	24	1		

75	Pressure Control Valve	PCV-2428A	1"	24	1		
75	Pressure Control Valve	PCV-2428B	4"	24	1		
76	Flow Control Valve	FCV-2406	2"	24	1		
77	Temperature Control Valve	TCV-2449	8"	24	1		
78	Pressure Control Valve	PCV-2434A	1"	24	1		
78	Pressure Control Valve	PCV-2434B	1"	24	1		
79	Flow Control Valve	FCV-2407	1"	24	1		
80	Temperature Control Valve	TCV-2457	1"	24	1		
81	Temperature Control Valve	TCV-3107	3"	31	1		
82	Temperature Control Valve	TCV-3101	1 ½"	31	1		
83	Temperature Control Valve	TCV-3103	1 ½"	31	1		
84	Flow Control Valve	FCV-3101	4"	31	1		
85	Flow Control Valve	FCV-3104	4"	31	1		
86	Flow Control Valve	FCV-3102	4"	31	1		
87	Pressure Control Valve	PCV-3121	4"	31	1		
88	Pressure Control Valve	PDCV-3101	4"	31	1		
89	Pressure Control Valve	PDCV-3102	6"	31	1		
90	Level Transmitter	LT-2003	Fisher DLC2010	20	1		
91	Level Transmitter	LDT-2002	Fisher DLC2010	20	1		
92	Flow Transmitter	FT-2001	Rosemount, 2051CD3A02A1BS5M5I5P1Q4	20	1		
93	Flow Transmitter	FT-2004	Rosemount, 2051CD2A02A1BS5M5I5P1Q4	20	1		
94	Flow Transmitter	FT-3101	Rosemount	31	1		
95	Flow Transmitter	FT-3105	Rosemount	31	1		
96	Flow Transmitter	FT-3103	Rosemount	31	1		
97	Flow Transmitter	FT-3102	Rosemount	31	1		
98	Flow Transmitter	FT-3104	Rosemount	31	1		
99	Pressure Transmitter	PT-3108	Rosemount	31	1		
100	Pressure Transmitter	PT-3126	Rosemount	31	1		
101	Pressure Transmitter	PT-3112	Rosemount	31	1		
102	Pressure Transmitter	PT-3120	Rosemount	31	1		
103	Pressure Transmitter	PT-3152	Rosemount	31	1		
104	Pressure Transmitter	PT-3128	Rosemount	31	1		
105	Pressure Transmitter	PT-3161	Rosemount	31	1		
106	Pressure Transmitter	PT-3163	Rosemount	31	1		
107	Pilot flame Scanners BE-3103A/B/C, BE-3104A/B/C Checking and Monitoring of Burners and Cleaning	Hot Oil Heaters (2. No)		31	6		

TOTAL

PROVICAIL SALE TAX

Grand Total (with tax)

**TERMS OF REFERENCE (TOR) for ATA 2020**  
**Nashpa Gas Processing and LPG Recovery Plant**  
**(INSTRUMENT SECTION)**  
**TE/INST/ATA/005/2020**

**General:**

1. The technical services are required for execution of annual turn around (ATA-2020) jobs of Nashpa Gas Processing and LPG Recovery Plant for an estimated period of 08 days tentatively scheduled in 2<sup>nd</sup> week of July 2020, however, the duration/date of shut down is not final and may be changed.
2. Quotation is required in PKR against each activity to execute the jobs given in the scope of work (SOW) for ATA 2020.
3. Working hours for the day will be considered 10hrs excluding lunch breaks, Tea breaks and prayer times. Sunday and any other gazetted holiday will be considered as normal day. However, working hours will be adjusted with mutual consent of Field Manager.
4. Payment will be made as per actual work done after the completion of the ATA against verified invoices.
5. Skilled manpower should be well experienced in their respective crafts. CVs of supervisory/technical level manpower to be provided in Technical Bid.
6. HSEQ Rules & Regulations will be strictly observed. For complete compliance, contractor will get HSEQ system manual from OGDCL at the time of mobilization. In addition to that, more precautions/SOP will be followed by contractor due to current Covid-19 pandemic.
7. Contractor manpower will remain at site for Leak Test and start up as well.
8. After completion of each activity, activity completion proforma will be duly signed from Instrument, Process section and contractor's area supervisor.
9. OGDCL can replace any activity with another activity of the same scope.
10. OGDCL may increase / decrease the scope of work (SOW) within stipulated duration of ATA.
11. Pressure testing arrangement will be made by Contractor.

## **OGDCL RESPONSIBILITIES**

1. Electricity will be provided for lightening purpose only at site by OGDCL. No diesel will be issued by OGDCL for contractor's machinery.
2. WD-40, Cotton Rags, cotton gloves, lapping paste etc and spare parts related to listed instruments in SOW.
3. OGDCL will provide flexible/SS tubing for Instrument air, Instrument air supply.

## **CONTRACTOR RESPONSIBILITIES**

1. The contractor should prepare detailed plan for ATA activities and submit the plan covering all the ATA activities for carrying out of Nashpa Plant ATA successfully with high quality within stipulated time frame. Contractor should provide soft copy of plan. Contractor must also provide man power deployment plan accordingly.
2. Contractor will provide daily progress report clearly mentioning the actual work carried out against the planned work.
3. Site administration personnel with associated resources like computers, photocopiers etc
4. Provision of PPE's (Helmet, Coverall, safety shoes, gloves, goggles etc) of all kinds to hired crew.
5. The technical manpower must be qualified / skilled and have at least five years of experience in its trade in the field of Oil & Gas/Petrochemical plants. Contractor skilled manpower may be interviewed by OGDCL professionals.
6. CV's of all the skilled Personnel will be provided well before ATA. Evaluation of all the short listed skilled persons will be carried out by OGDCL well before the ATA. Replacement of Skilled personnel will be done with approval of OGDCL. OGDCL reserves the right to replace any person at any time.
7. Contractor shall arrange tools/test bench and skilled manpower with proper PPE's for control valve and PSV's pressure testing.
8. Skilled machinists to be provided by contractor for isolation valves/Control valves seat repairing.
9. Lapping machine and expert machinist to be arranged by contractor.
10. Contractor should arrange following equipments for instrument related jobs:
  - i. Lapping Machine / equipment for Lapping of seats, plugs & disks of Control Valves & PSVs= 01 No
  - ii. PSV test Bench / Hydro test equipments, pressure upto 2000 PSIG= 01 No
  - iii. HART Communicators Model 475 = 01 No
  - iv. milli Ampere Source, = 01 Nos
  - v. Pneumatic Calibrators. 01 Nos
  - vi. Digital Multimeters (Fluke / Yokogawa) 03 Nos

- vii. Dead weight Tester 01 No
- viii. Portable pressure calibrator (Fluke/ Ammetek/ Druck etc.) 01 No.
- ix. Tool Boxes having complete tools for electronic & Pneumatic instrument work. 03 Nos
- x. All essential tools in order to perform the mentioned jobs during ATA.
- xi. Contractor will submit valid certificates for E & I calibration and testing equipments.

- 11. Contractor will submit company HSE policy manual for implementation of safe execution of each activity with zero-injury target. In case of any accident, OGDCL will not be liable for any claim.
- 12. Contractor will provide calibration certificates of performed jobs.
- 13. Scaffolding material is in contractor scope and must be provided in enough quantity so that each and every activity could be carried out independently.
- 14. Security clearance of all the hired crew will be carried out by the contractor.
- 15. Boarding / Lodging to all the crew will be provided by the contractor.
- 16. Pick and drop from Plant to accommodation and back will be provided by the contractor.
- 17. In case of any accident, medical or compensation will be on contractor's scope.
- 18. Contractor manpower must have CNIC and contractor identity card, and will follow OGDCL security policy.
- 19. Contractor/Bidder may visit at site for further understanding of scope of work (if required) with prior intimation to OGDCL after advertisement of tender.
- 20. The service rate will be considered for complete execution of job with allied tools, PPE's & logistic support. Rate of partially performed jobs will be paid accordingly.
- 21. Contractor/bidder to follow covid 19 SOP's at site.
- 22. Provincial sale tax with submitted status to be provided with invoice at the stage of payment
- 23. All activities to be quoted mentioned in scope of work. Payment will be as per actual.