



OIL AND GAS DEVELOPMENT COMPANY LIMITED
Chanda Oilfield
Shakardara Distt Kohat

Phone 0922-553307; Fax 0922-553308

Dated: **30/03/2024**

TENDER ENQUIRY # TE/COF/E&I/ATA/10018977/2024

1. SCHEDULE OF REQUIREMENT(SOR'S)

“Technical services for ATA-24 E&I maintenance jobs of Chanda Plant.”

Sr. No.	Description	Reference No.	Rate	Total Rate (inclusive of all Taxes)	Deviation
1	As per scope of requirement given in Tender Documents	TE/COF/E&I/ATA/10018977/2024			

Note: Separate rate to be quoted for each and every activity as mentioned in scope of work.

2.0: TERMS & CONDITIONS (TOR'S) FOR ATA-2024 OF CHANDA PLANT

2.0.1: GENERAL:

1. Technical services are required for Maintenance jobs of Dehydration, Hot Oil, CPI Pit, Crude Oil Stabilization, HP Separator & Utility Area of Chanda LPG Plant during Annual Turn Around (ATA-24) for an estimated period of 09 days tentatively schedule from 21/06/2024 to 29/06/2024; however, the schedule and duration of shut down may be changed.
2. Bids are required in PKR against each activity as mentioned in the scope of work. Detail of jobs (scope of work) is elaborated in tender documents.
3. Working hours for the day will be considered 10 hours/day excluding lunch break. Sunday/holiday will be considered as normal working day.
4. Most of the jobs will be carried out in the day shift however limited tasks will be carried in the night shift also.

5. Payment will be made as per actual work done through cross cheque after completion of the job being verified by OGDCL concerned professionals at site.
6. Skilled manpower should be well experienced in their respective crafts.
7. Management of the plant reserves the right to terminate the services of any hired staff at any time without any justification.
8. HSEQ Rules & Regulations will be strictly observed.
9. Scaffolding material will be provided if required.
10. All the participating companies should have an experience of ATA jobs in large Oil & Gas Processing Plants (reference must be provided).
11. Jobs will be carried out as per priority set by OGDCL supervisors and contractor will utilize all its resources to complete the jobs as per time frame given by OGDCL.
12. OGDCL may delete, add or change any type of activity given in the scope of work.
13. The technical manpower must be skilled having at least five years' experience in respective trade. Contractor skilled manpower will be interviewed by OGDCL professionals in all disciplines, if deemed necessary. Contractor should arrange the interview at their premises. The detailed CV's of direct manpower/supervisors is mandatory.
14. Use of mobile phone and camera is prohibited in the plant premises.
15. Any required technical clarification/detail regarding scope of work should be cleared before submission of bid. No change in substance of bid will be entertained after bid submission date.

2.0.2: CONTRACTOR RESPONSIBILITIES:

1. Site administration personnel with associated resources like computer, printers, photocopiers etc.
2. Provision of PPE (Safety helmet, Coverall, safety shoes, gloves, etc) of all kinds to hired crew.
3. CV's of all the skilled Personnel will be provided well before ATA. Evaluation of all the short listed skilled personnel will be carried out by Field personnel well before the ATA.
4. Locals will be given preference while hiring services for ATA.
5. All kind of tools required for the job.
6. Scaffolding services for safe executions.
7. Security of all the Hired Crew.
8. Drinking Water, Boarding/ Lodging, refreshment to all the Crew.

9. Pick and drop from Plant to accommodation and back.
10. In case of any accident, medical treatment or compensation, whichever is applicable.
11. Electrical Supply Boards along with cables as per HSE standard.
12. Head trolley for movement of parts inside the Plant will be arranged by the contractor.
13. Arrangement of Consumable material like cotton rags, gloves, glasses etc.

2.0.3: OGDCL RESPONSIBILITIES:

1. Electricity for Lighting & Fan.
2. Spare parts and special equipment's for dedication testing's & calibrations.
3. Blinds & Spades for Isolation & Pressure Testing.
4. Logistic support i.e. Cranes, Lifters & Rigging Tools.
5. Nitrogen purging & Leak test.

3.0: Scope of Work for ATA-2024 Jobs of Dehydration /Hot Oil/CPI Pit/LPG/Utility Area Along with Rotary Equipment maintenance in Annual shutdown of Electrical & Instrumentations.

3.1: ELECTRICAL JOBS

3.1.1: ROTARY EQUIPMENT:

Inspection/Replacement of Motor Bearings where required. Inspection/Tightening of Power and Control Cables.

Inspection/tightening of alternator's power and control connections, AVR, Exciters, Greasing of Bearings and cleaning of Dusts and Webs from Generators.

Checking of all terminators of MCUS, Power cable and Connections at hp separators, crude stabilization, ajax compressors, LPG recovery and dehydration unit etc. along with inspection of ignition coils, magnetos and leads at compressors.

Checking of all generators, breakers, fuses panels etc.

Motors:

S.NO	DESCRIPTION	TAG NO	SPECIFICATION
1	Stabilized Crude Oil Transfer Pump Motor and MCU	P-100 A/B	380V,22.5A,11KW
2	Product Cooler Fan Motor and MCU	E-111 A/B	380V, 22A, 11KW
3	Condensate Transfer Pump Motor and MCU at LP Discharge Knock-out Vessel	P-102 A/B	380V,41A,22KW
4	LPG Reflux Pump Motor and MCU	P-103 A/B	380V,5.8A,2.2KW
5	LPG Loading Pump Motor and MCU	P-104 A/B	380V,16A,7.5KW
6	MEG Transfer Pump Motor and MCU	P-200 A/B	380V,5.8A,2.2KW
7	Hot Oil Pump Motor	P-400 A/B	380 V, 30HP
8	Flare Knock-out Drum Transfer Pump Motor and MCU	P-500 A/B	P-500,380V,22.5A,11KW
9	Condenser Water Pump Motor	P-701	380V,14KW
10	Fire Water Jockey Pump Motor and MCU	P-801 A/B	380V,7.8A,4KW
11	Fire Water Spray Pump Motor and MCU	P-802 A/B	380V,32,5A,18.5KW
12	Recovered Oil transfer Pump Motor and MCU	P-1201 A/B	380V,5HP
13	Crude Loading Pump Motor	P-1200 A/B/C	380V, 20HP, 27.3A
14	Instrument Air Compressor Motor	K-600A/B	380V,69A,43KW
15	Generators G1 & G2 - Cooling Tower Fan Motors	08 NOs	380V,5A,2.2KW
16	Generators G1 & G2 Exhaust Fan Motors	02 NOs	380V,13.3A,5.5KW
17	Gas Generators	G1/G2	Caterpillar 3412, 235KW
18	Gas Generators	G3/G4	Caterpillar 3408, 200KW
19	Diesel Generator	DG	Cummins, 200KW

3.1.2: STATIONERY EQUIPMENT:

Power House and MCC

S.NO	DESCRIPTION	TAG NO	SPECIFICATION
1	Bus bars inspection & tightening in MCCR	Nil	1200 Amp, 40 Feet
2	Servicing/Checking of all MCC modules in MCCR and replacement of parts where required.	Nil	380V
3	Servicing of both UPS- A & B	Nil	3-phase, 380V
4	Bus bars inspection & tightening in Power House	Nil	1200 Amp, 30 Feet

Plant Area

1. Replacement/ maintenance of faulty plant skid and flood lights.
 2. Checking of EARTHING SYSTEM of Plant Skids, Tanks, and Columns.
 3. Replacement/ maintenance of faulty Chanda plant boundary lights.
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3.2: INSTRUMENTATION JOBS

3.2.1: SEPARATORS, CRUDE STABILIZATION, MEG, LPG AND AJAX COMPRESSORS;

S.NO	DESCRIPTION	TAG NO	SPECIFICATION
1	LIC Inspection, Servicing and Calibration of complete loops (Including dismantling and reinstallation) to be carried out with repair.	V-116 A/B/C	2",complete loop
2	LIC Water side, Inspection, Servicing and Calibration of complete loops (Including dismantling and reinstallation) with repair.	V-116 C	1",complete loop

3	PIC , Inspection, Servicing and Calibration of complete loop (Including dismantling and reinstallation) to be carried out with repair.	V-100	2",complete loop
4	PIC , Inspection, Servicing and Calibration of complete loop (Including dismantling and reinstallation) to be carried out	V-101	2",complete loop
5	LIC , Inspection, Servicing and Calibration of complete loop (Including dismantling and reinstallation) to be carried out with repair.	V-100	2",complete loop
6	LIC , Inspection, Servicing and Calibration of complete loop (Including dismantling and reinstallation) to be carried out with repair.	V-101	1",complete loop
7	LCV Crude side, Inspection, Servicing and Calibration of complete loop (Including dismantling and reinstallation) to be carried out for stem side leakage with repair.	V-100/101	2",complete loop
8	ENGINE EXHAUST& COMPRESSORDISCHARGE Thermocouples to be checked out for any shortage and proper operation with repair.	AJAX K-100	J-Type Thermocouple
9	ENGINE EXHAUST& COMPRESSORDISCHARGE Thermocouples to be checked out for any shortage and proper operation with repair..	AJAX K-101	J-Type Thermocouple
10	ENGINE EXHAUST& COMPRESSORDISCHARGE Thermocouples to be checked out for any shortage and proper operation with repair..	AJAX K-102	J-Type Thermocouple
11	AJAX K-100/101/102 COOLANT THERMOCOUPLE TO BE CHECKED.(BOTH ENGINE AND COMPRESSOR SIDE)	K100/K101/K102	03 No's J-Type Thermocouple
12	LIC SUCTION SCRUBBER /DUMP VALVE , Inspection, checking, Servicing and Calibration of complete loop (Including dismantling and reinstallation) to be carried out	K-101	1",complete loop
13	LIC Suction& Discharge Scrubber /Dump Valve. (Inspection, Servicing and Calibration of complete loop, including dismantling and reinstallation to be carried out for the removal of leakages with repair.	K-102	1",complete loop
14	K-100/101/102 Panel functional test to be carried out with dressing & ties.	K100/K101/K102	Murphy control panel
15	LIC , Inspection, Servicing and Calibration of complete loop, Including dismantling and reinstallation to be carried out for the removal of leakages with repair..	C-100	1",complete loop
16	PIC , Inspection, Servicing and Calibration of complete loop, Including dismantling and reinstallation to be carried out with repair..	C-100	Pressure
17	LIC , Inspection, Servicing and Calibration of complete loop, Including dismantling and reinstallation to be carried out with repair..	C-101	1",complete loop

18	C-100 /101 LEVEL SWITCHES , Function checking and calibration (high/low) to be carried out with repair.	C-100/ C-101	--
19	LIC/FIC/PIC/TIC , Calibration, cleaning and servicing of locally installed controllers with their control valves to be checked.	PLANT	Complete
20	TCV C-901 leakage to be removed with repair.		1",complete loop
21	PSV's at V-116A,B,C/ 100/ 101/ 102/ 103/ 104/ 105/ 106/108/109/112/201/300/400/500/ C-100/C101/S-100/P-200-A & B/P-104A & B, to be check/ verify at set pressures.	Crude stabilization, LPG, MEG Area, Hot oil system, Flare system.	PLANT
22	LEVEL SWITCHES , General servicing and calibration of all installed level switches at plant to be carried out with repair..	Separators, crude stabilization, LPG, MEG, Hot oil sys, compressorsetc	PLANT
23	SDV 460 at MEG Re-boiler inlet line leakage problem to be rectified with repair.	MEG Unit	4",complete loop
24	TCV C-901 leakage to be removed.	HOT OIL	1",complete loop
25	LIC MEG side to be calibrated/checked with repair.	V-108	1",complete loop
26	PSV's both Sale/Feed to be checked/tested for actual pressure.	Sale/Feed Gas Compressor	2",RF
27	LPG Bullet B&D gauging system indication in CCR to be rectified.	V-113 A/B/C/D	---
38	PSV's LPG Bullets to be checked at set pressure.	V-113 A/B/C/D	2"x3" same all. Set at 172 PSIG
29	TIC to be Calibrated/Checked	Dehydration Re-boiler	1",complete loop

(3.2.2): INSTRUMENT AIR COMPRESSORS

S.NO	DESCRIPTION	TAG NO	SPECIFICATION
1	Instrument Air compressors and both instrument air dryer Security inspection, SOV's cleaning, Servicing of Diaphragm operated valves, calibration of all switches, and inspection of control panel termination.	K-600 A/B& C	COMPLETE

(3.2.3): FEED GAS AND SALES GAS COMPRESSOR

S.NO	DESCRIPTION	TAG NO	SPECIFICATION
1	Calibration of installed off skid instrumentation i.e., Transmitters, controllers, switches, SOV's, Panel functioning, inspection/ verification of securities/ interlocking related to compressor & verification of control panel terminations.	SALES GAS & FEED GAS COMPRESSOR	COMPLETE

(3.2.4): HOT OIL SYSTEM

S.NO	DESCRIPTION	TAG NO	SPECIFICATION
1	Calibration of installed instrumentation i.e., Transmitters, control valve, switches, SOV's, Panel functioning, inspection/ verification of securities/ interlocking & verification of control panel terminations.	HOT OIL SYSTEM	COMPLETE

(3.2.5): REFRIGERATION PACKAGE

S.NO	DESCRIPTION	TAG NO	SPECIFICATION
1	Calibration of installed instrumentation i.e., Transmitters, control valves, switches, SOV's, Panel functioning, inspection/ verification of securities/ interlocking & verification of control panel terminations.	REFRIGERATION PACKAGE	COMPLETE

NOTE:

A separate commissioning team (for static and rotary equipment) is required at time of Plant commissioning after ATA activities for extendable 06 days, which will be released after completion of commissioning activities and smooth /normalizations of operations declared by plant operation department.