

OIL AND GAS DEVELOPMENT COMPANY LIMITED

Annexure-A

1.0 SCHEDULE OF REQUIREMENT:

Dated: 9-4-2021

TENDER ENQUIRY # TE/COF/ATA/02/2021

Technical services for Preventive Maintenance of CHANDA OIL FIELD-KPK during ATA-2021. (TENTATIVE PLAN OF 08 DAYS IN JUNE-2021).

<u>S#</u>	<u>Description</u>	<u>Reference #</u>	<u>Rate</u>	<u>Total rate (inclusive of all Taxes)</u>	<u>Deviation</u>
1	As per scope of work given in tender documents				

Note:

Separate rate AGAINST EACH ACTIVITY to be quoted for each and every activity as mentioned in scope of work including consumables and repair works. The special tools, lifting equipment's (Crane, Lifter), Lathe Machine and PSV's test bench provided by OGDCL but in case of operational requirements CRANE, Lifter may be asked to arrange by Contractor. So the cost of hiring of 30~50 ton CRANE and 10 ~ 20 ton LIFTER may be mention separately in the bid.

2.0 E&I, TERMS & CONDITIONS FOR ATA-2021 CHANDA Oil Field.

2.1 GENERAL "TORS" FOR CONTRACTORS:

1. The Technical facilities from Contractor are required for Annual Maintenance of MOTORS, MCC, Bus bar, Ignition system, Alternators, Control Valves , PSV's and modifications jobs **(The dismantling , reinstallations of Motors/ Alternators etc at Electrical end and CV's/ PSV's including CV's Transmitters, positioners , I/P Converters, loop test , calibrations at Instrumentation end)** during ATA-21 for an estimated period of **08 days tentatively schedule from 01-06-2021 to 08-06-2020**, however the schedule and duration of shut down may change as per operational requirements.
2. The 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. The execution hours will be measured **24 Hours with 02 shifts (12 Hours day shift & 12 Hours night shift)**. Sunday/holiday will be considered as normal working day.
4. Payment will be made as per actual work done through cross cheque after completion and inspection of execution by site constituted committee.
5. Skillful manpower should be well qualified in their relevant craftsmanship.
6. Management of the plant reserves the right to terminate the services of hired staff at any time without justification.
7. HSEQ Rules & Regulations and COVID SOP's to be strictly followed. 01 HSEQ Officer/supervisor must be member of ATA team. All PPE's at Contractors end.
8. All the Bids participating companies should have an ATA experience of working on Oil & GAS Processing.
9. The execution will be conceded out as per operational priority of OGDCL, contractor must mobilize all its resources required to complete the jobs as per time frame given by OGDCL.
10. OGDCL may scrub and enhance or make amendment any type of activity specified in (SOW)
11. Technical manpower must be skilled enough, having at least five years' experience in relevant trade. Skilled manpower will be cross-examined by OGDCL professionals in all disciplines, if deemed essential contractor should arrange the interview at their premises.
12. Detailed CV's of direct manpower/supervisors is mandatory. Relevant experience of manpower for E&I works is mandatory.
13. Use of mobile phone and camera is strictly prohibited at Plant area.
14. Any mandatory technical clarification/detail regarding SOW should be cleared before submission of bid.
15. No change in affluence of submission will be entertained after bid submission day of the week.

3.0 CONTRACTOR RESPONSIBILITIES:

1. **Site administration personnel with associated resources** like computer, printers, photocopiers etc.
2. Providing PPE (Safety helmet, Coverall, Safety shoes, Gloves, etc.) of all kinds to hired staff / officers/ supervisors/fitters including best quality Face Masks.
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 supervisors well before the ATA.
4. The bidder prefers the Local labors for general works while hiring services for ATA.
5. All kind of Tools and testing equipment's must have arrived at site before mobilization.
6. Provision of All type of Rigging and hoisting equipment.
7. Scaffolding Services (installation and dismantling).

8. Removal of PSV's Control Valves Insulation where necessary by skilled Insulator.
9. Security of all the Hired Crew.
10. Drinking Water, Boarding/ Lodging, refreshment to all the Crew.
11. Pick and drop from Plant to accommodation and back.
12. In case of any accident, medical treatment or compensation, whichever is applicable.
13. Electrical Supply Boards along with cables as per HSE standard.
14. Hand trolley for movement of parts inside the Plant will be arranged by the Contractor
15. Arrangement of hose Pipes for CV's, PSV's etc for flushing.
16. Proper housekeeping & skids cleaning of all equipment must be ensured.

4.0 OGDCL RESPONSIBILITIES:

1. Electricity for Lighting & Fan.
2. Spare parts.
3. Blinds & valves for Isolation & Pressure Testing, PSV's Test Bench.
4. Logistic support i.e. Cranes & Lifters (But Rate for rent may be quoted by Contractor).
5. Nitrogen purging & Leak test.

5.0 Electrical SCOPE OF WORK (SOW) FOR ATA-21 MAINTENANCE

5.1 ROTARY EQUIPMENT:

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

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

ACTIVITY	DESCRIPTION	TAG NO	SPECIFICATION	UNIT RATE	TOTAL
LPG01	Stabilized Crude Oil Transfer Pump Motor and MCU	P-100 A & B	380V,22.5A,11KW		
LPG02	Product Cooler Fan Motor and MCU	E-111 A & B	380V, 22A, 11KW		
LPG03	Condensate Transfer Pump Motor and MCU at LP	P-102 A & B	380V,41A,22KW		
LPG04	LPG Reflux Pump Motor and MCU	P-103 A & B	380V,5.8A,2.2KW		
LPG05	LPG Loading Pump Motor and MCU	P-104 A & B	380V,16A,7.5KW		
LPG06	MEG Transfer Pump Motor and MCU	P-200 A & B	380V,5.8A,2.2KW		
LPG07	Hot Oil Pump Motor	P-400 A & B	380 V, 30HP		
LPG08	Flare Knock-out Drum Transfer Pump Motor and MCU	P-500 A & B	P-500,380V,22.5A,11KW		

LPG09	Condenser Water Pump Motor	P-701	380V,14KW		
LPG10	Fire Water Jockey Pump Motor and MCU	P-801 A & B	380V,7.8A,4KW		
LPG11	Fire Water Spray Pump Motor and MCU	P-802 A & B	380V,32,5A,18.5KW		
LPG12	Recovered Oil transfer Pump Motor and MCU	P-1201 A & B	380V,5HP		
LPG13	Crude Loading Pump Motor	P-1200 A,B & C	380V, 20HP, 27.3A		
LPG14	Instrument Air Compressor Motor	K-600A & B	380V,69A,43KW		
LPG15	Generators G1 & G2 Cooling Tower Fan Motors	08 NOs	380V,5A,2.2KW		
LPG16	Generators G1 & G2 Exhaust Fan Motors	02 NOs	380V,13.3A,5.5KW		
LPG17	Gas Generators	G1 & G2	Caterpillar 3412, 235KW		
LPG18	Gas Generators	G3 & G4	Caterpillar 3408, 200KW		
LPG19	Diesel Generator	DG	Cummins, 200KW		

5.2 STATIONERY EQUIPMENT: Power House and MCC:

ACTIVITY	DESCRIPTION	TAG NO	SPECIFICATION		
LPG20	Bus bars inspection & tightening in MCC	Nil	1200 Amp, 40 Feet		
LPG21	Bus bars inspection & tightening in Power House	Nil	1200 Amp, 30 Feet		
LPG22	Street, flood & Tube lights	NIL	Boundary & Plant Area		

6.0 INSTRUMENTATION SOW:

6.1 SEPARATORS, CRUDE STABILIZATION, MEG, LPG AND AJAX COMPRESSORS:

ACTIVITY	DESCRIPTION	TAG NO	SPECIFICATION		
LPG23	LIC Inspection, Servicing and Calibration of complete loop (Including dismantling and reinstallation) to be carried out	V-116 A,B & C	Valve Size: 2",complete loop		
LPG24	LIC Water side, Inspection, Servicing and Calibration of complete loop (Including dismantling and reinstallation) to be carried out	V-116 C	Valve Size: 1", complete loop		

LPG25	PIC , Inspection, Servicing and Calibration of complete loop (Including dismantling and reinstallation) to be carried out.	V-100	Valve Size: 2",complete loop		
LPG26	PIC , Inspection, Servicing and Calibration of complete loop (Including dismantling and reinstallation) to be carried out	V-101	Valve Size: 2",complete loop		
LPG27	LIC , Inspection, Servicing and Calibration of complete loop (Including dismantling and reinstallation) to be carried out	V-100	Valve Size: 2",complete loop		
LPG28	LIC , Inspection, Servicing and Calibration of complete loop (Including dismantling and reinstallation) to be carried out	V-101	Valve Size: 1",complete loop		
LPG29	LCV Crude side, Inspection, Servicing and Calibration of complete loop (Including dismantling and reinstallation) to be carried out for stem side leakage.	V-100/101	Valve Size: 2",complete loop		
LPG30	ENGINE EXHAUST& COMPRESSOR DISCHARGE, Coolant Water Thermocouples to be checked out for any shortage and	AJAX K-100	NO,s: 04 J-Type Thermocouple		
LPG31	ENGINE EXHAUST& COMPRESSOR DISCHARGE, Coolant Water Thermocouples to be checked out for any shortage and	AJAX K-101	NO,s: 07 J-Type Thermocouple		
LPG32	ENGINE EXHAUST& COMPRESSOR DISCHARGE, Coolant water Thermocouples to be checked out for any shortage and	AJAX K-102	NO,s: 07 J-Type Thermocouple		
LPG33	LIC SUCTION SCRUBBER /DUMP VALVE , Inspection, checking, Servicing and Calibration of complete loop (Including dismantling and reinstallation) to be carried out	K-101	Valve Size: 1",complete loop		
LPG34	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.	K-102	Valve Size: 1",complete loop		
LPG35	K-100/101/102 Panel functional & Securities test to be carried out	K100,K101 & K102	Ajax Compressors Murphy control		
LPG36	LIC , Inspection, Servicing and Calibration of complete loop, Including dismantling and reinstallation to be carried out for the removal of leakages.	C-100	Valve Size: 1",complete loop		
LPG37	PIC , Inspection, Servicing and Calibration of complete loop, Including dismantling and re-installation to be carried out.	C-100	Pressure		
LPG38	LIC , Inspection, Servicing and Calibration of complete loop, Including dismantling and reinstallation to be carried out.	C-101	Valve Size: 1",complete loop		
LPG39	C-100 /101 LEVEL SWITCHES , Function checking and calibration (high/low) to be carried out	C-100 & C-101	LPG Area		

LPG40	LIC/FIC/PIC/TIC , Calibration, cleaning and servicing of locally installed controllers with their control valves to be checked.	PLANT	20 No's Complete		
LPG41	TCV C-901 leakage to be removed		1",complete loop		
LPG42	PSV's at V-116A, B, C-V/ 100V/ 101,V/ 102,V/ 103,V/ 104,V/ 105,V/ 106,V/ 108,V/109,V/112,V/201,V/300,V/400,V/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	PLANT(28 PSV's List also attached)		
LPG43	LEVEL SWITCHES , General servicing and calibration of all installed level switches at plant to be carried out.	Separators, crude stabilization, LPG, MEG,	PLANT		
LPG44	SDV 460 at MEG Re-boiler inlet line leakage problem to be rectified.	MEG Unit	Valve Size: 4",complete loop		
LPG45	TCV C-901 leakage to be removed.	HOT OIL	Valve Size: 1",complete loop		
LPG46	LIC MEG side to be calibrated/checked	V-108	Valve Size; 1",complete loop		
LPG47	PSV's of Feed Gas Compressor to be checked/tested for actual pressure.	Feed Gas Compressor	NO,s: 04 Each Size: 3x4"RF Set Press:600,600,1100 & 1600 Psi		
LPG48	LPG Bullet B&D gauging system indication in CCR to be rectified.	V-113 A,B,C & D	Each:01		
LPG49	TIC to be Calibrated/Checked	Dehydration Reboilers	Valve Size: 1",complete loop		

7.0 COMPRESSORS (INSTRUMENT AIR, SALE GAS & FEED GAS)

ACTIVITY	DESCRIPTION	TAG NO	SPECIFICATION		
LPG50	Both Instrument Air compressors of SOV's cleaning, Servicing, calibration of all switches, and inspection of control panel termination.	K-600 A&B	SOV,s:06 T Switches:04 P Switches: 04 & other accessories Complete.		

LPG51	Both instrument air dryers Security inspection, SOV's & Diaphragm Valves Cleaning, Servicing, and Checking of PSV,s , PT & Switches.	Instrument Air Dryers A&B	PT: 01 P Switch:01 SOV,s:04 PSV,s:04		
LPG52	Calibration of installed off skid instrumentation i.e., Transmitters, switches, SOV's, Panel functioning, inspection/ verification of securities/ interlocking's related to compressor & verification of control panel terminations	FEED GAS COMPRESSOR	L. Switches: 08 SOV,s:07 PT:09 LCV,s: 04 & other accessories Complete.		
LPG53	PSV,s of Sale Gas Compressor to be checked/tested for actual pressure.	Sale Gas Compressor, Feed Gas	NO,s: 03 Size: 1.5x2,1.5x2 & 2x2		

8.0 HOT OIL & REF. PACKAGE:

S.NO	DESCRIPTION	TAG NO	SPECIFICATION		
LPG54	Calibration of installed instrumentation i.e., Transmitters, control valve, switches, SOV's, Panel functioning, inspection/ verification of securities/ interlocking's & verification of control panel terminations.	HOT OIL SYSTEM	TCV loop:01 Shut off valves:02 SOV,s:03 Temp Cut off loop;01 F.Switch:1 LT:01 L.Switch:01 UV Scanner:03 & Complete		
LPG55	CCR Panel's, cleaning cables dressing & Rechecked of termination including field JB,s.	CCR Panels	COMPLETE		
LPG56	Calibration of installed instrumentation i.e., Transmitters, control valves, switches, SOV's, Panel functioning, inspection/ verification of securities/ interlocking's & verification of control panel terminations.	REFRIGERATION PACKAGE	SOV,s:05 P.Switches:07 T. Switches:04 PT:03 L. Switches: 03 Control Loop: 05 Temp sensors & loops complete.		
	Total Cost:				
	Grand Total with all Taxes including GST @17%				

NOTE:



Inspection team of Electrical (for static and rotary equipment) and Instrument side is required at time of Plant commissioning after ATA-21, which will be issue completion of ATA activities. The Contractor crew will retain for startup activities and must attend all anomalies till smooth plant operations.

- Annex C to be provided with “submitted” status and CPR as per rules of KPRA.
- Financial Evaluation will be on full consignment wise (G. Total of all jobs)

OIL AND GAS DEVELOPMENT COMPANY LIMITED
CHANDA /MELA OIL FILED-kpk
e- mail: chanda_instrument@ogdcl.com



OGDCL

WEB TENDER NOTICE

ANNEXURE “B”

TECHNICAL PROPOSAL

Bidder's Data

1. Bidders are required to complete the following Form and Provide execution plan round the clock for 08 days inclusive of Shutdown and start up span.
2. Evidence of 05 years execution experience and completion certificates of ATA's
3. Latest execution plan of any company in Oil and Gas Sector.
4. Provide the following data for confirmation:

Company Name:	
Company-Address:	
Contact Person, Name, Designation, ID Card No.	
Contact No. Phone/Mobile/ Fax/CNIC.	
Email Address:	
NTN and GST Reg No. (Please provide Copies of Reg)	
Please mention strength of permanent employees	
<u>PEC Registration as contractor</u>	
<u>Safety Certifications (If any)</u>	

Signature of Bidder: _____

Name: _____

NIC No. _____

Address: _____

(Please attach copy of NIC of bidder and contact Person)

ANNEXURE “C”

FINANCIAL PROPOSAL

(Note : Financial Proposal Shall be Packed in Separate Envelop and Mark Envelop as
“FINANCIAL PROPOSAL”)

Sr. #	Description	Execution Ref	Unit Rate PKR (inclusive of all taxes)	Total Amount (PKR)
01				
02				
Total Amount (Inclusive of All Taxes)				

Name: _____

Signature: _____

Company Seal: _____

Date: _____

Contact No. _____

