

Mailing Address: -

OIL & GAS DEVELOPMENT COMPANY LTD  
 CEMENT & STIMULATION /LOGISTICS FIELD KOTSARANG  
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**Schedule of Repair Work Requirement**

Annexure-A

**Description Of Repair & Maintenance work Of Data Acquisition System:**

Sr. No	Description	Specifications	Quantity Required To be Repaired
<b>CT Sensors Details</b>			
Sr. No	Description	Specifications	
1	Depth Encoder (square flange type coupled with mechanical depth counter)	MANUFACTURE: BEI SENSORS MODEL: H25	01
2	Pressure Sensor for Circulating Pressure (1/4" NPT type installed in pressure de-booster line)	MANUFACTURER: STELLAT TECHNOLOGY P/N: GT165-3000G-000 RANGE: 0-3000 PSIG SERIAL NO: 059321 EXCITATION: 14-40 VDC OUTPUT: 4-20 mADC	01
3	Pressure Sensor for Well Head Pressure (1/4" NPT type installed in pressure de-booster line)	MANUFACTURER: STELLAT TECHNOLOGY P/N: GT165-3000G-000 RRANGE: 0-3000 PSIG SERIAL NO: 059321 EXCITATION: 14-40 VDC OUTPUT: 4-20 mADC	01
4	CT Weight indicator Sensor (1/4" NPT Pressure Sensor installed in Hydraulic Load Cell line)	MANUFACTURER: SENSOTEC MODEL: FPG PART NO: 060-E940-03 ORDER CODE: FPG2DJ, 2P5A6N RANGE: 1500 PSIG SUPPLY: 9-28 VDC OUTPUT: 4-20 mA	01
5	Pumping Rate Sensor (Magnetic Pickup Sensor installed on a turbine housing on CT reel manifold)	MANUFACTURER: electronic data devices (EDD) P/N: 5.151502 S/N: 47870	01
<b>DAQPAQ Laptop System Details</b>			
1	DAS Recording Laptop System (With Power Box)	MODEL:NB; A770 P/N: 7919011801 S/N: TR54A00391 DC INPUT: 19V-4.74A Windows XP Professional (OEM Software) EXPANSION UNIT P/N: 791911180191	01
<b>Nitrogen Pumper Sensors Details</b>			
1	Pressure Sensor for Circulating Pressure (1502)	MANUFACTURER: VIATRAN P/N: 7093BQST41 PRESSURE RANGE: 0-20000 PSIS	02

		MAX PRESSURE: 22500 PSIS SERIAL NO: 326460 INPUT : 08-20 VDC OUTPUT: 0.5 ADC	
2	Pumping Rate Sensor (Magnetic Pickup Sensor)	EDD 4.5015U	02
<b>CMT / STIM PUMPERS DETAILS</b>			
1	Pressure Sensor for Circulating Pressure (1502)	MANUFACTURER: VIATRAN P/N: 7093BQ5T41 PRESSURE RANGE: 0-20000 PSIS MAX PRESSURE: 22500 PSIS SERIAL NO: 326460 INPUT : 08-20 VDC OUTPUT: 0.5 ADC	02
2	Pumping Rate Sensor (Magnetic Pickup Sensor)	EDD 4.5015U	02
<b>Data Cables</b>			
1	Repairing of Depth Encoder Reel	(Square Flange Type)	01
2	Repairing of 1502 Hammer Union Pressure Sensor	15Kpsi, Acid & H2S Service	05
3	Proximity Switch or Powered Magnetic Pickup	For Flow Rate (EDD 4.5015U)	05
4	Pressure Sensor for load Cell	2,500psi, 3/8" Female NPT	01
5	Repairing of 170Ft Cable	For Well Head Pressure	01
6	Repairing of 70Ft Cable	For Circulation Pressure	05
7	Repairing of 70Ft Cable	For Depth Encoder	01
8	Repairing of 100Ft Cable	For Flow Rate	05
<b>Connectors</b>			
1	Different Types	Can be provided for Repairing	50

DAS should record below mentioned parameters after Repairing:

1. Depth.
2. CT Weight.
3. Pressures (Circulation Pressure & Well Head Pressure).
4. Nitrogen Pumping Unit Rate (For At least 02 Units).
5. Hydro Pumping Unit Rate (For At least 04 Units).
6. Warning Buzzers (For Weight & Pressure).
7. Graphical Display of Recorded Parameters.

CT life & Fatigue Analysis Should have below mentioned features after Repairing of DAQPAQ:

1. Graphical life consumption of CT string at ever depth.
2. Feasibility to calculate CT life from recorded job parameters after job as well as during job.

The bidders should submit their quotations as per below format:

Sr. No.	Description	Quantity (A)	Unit Price for One Month Rental (B)	Total (A*B)
1	Repairing of Data Acquisition System (DAQPAQ Laptop)	01	Filled by Bidder	Filled by Bidder
2	Repairing of Depth Encoder Reel (Square Flange Type)	01	Filled by Bidder	Filled by Bidder



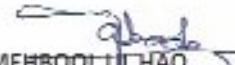
3	Repairing of 1502 Hammer Union Pressure Sensor, 15Kpsi, Acid & H2S Service	05	Filled by Bidder	Filled by Bidder
4	Proximity Switch or Powered Magnetic Pickup	05	Filled by Bidder	Filled by Bidder
5	Pressure Sensor for load Cell, 2,500psi, 1/2" Female NPT	01	Filled by Bidder	Filled by Bidder
6	Repairing of 170Ft Cable for Well Head Pressure	01	Filled by Bidder	Filled by Bidder
7	Repairing of Cable, 70Ft for Circulation Pressure	05	Filled by Bidder	Filled by Bidder
8	Repairing of Cable, 70Ft for Depth Encoder	01	Filled by Bidder	Filled by Bidder
9	Repairing of Cable, 100Ft for Flow Rate	05	Filled by Bidder	Filled by Bidder
10	Connectors (Different Types)	50	Filled by Bidder	Filled by Bidder
Total Repair / Maintenance Per Month for Complete Package including applicable taxes (Taxes quoted separately)				Filled by Bidder

### **TERMS AND CONDITIONS FOR REPAIR / MAINTENANCE OF DATA ACQUISITION SYSTEM**

1. All equipment provided by OGDCL will be repaired by Contractor on OGDCL CTU, N2 PUMPERS & CMT / STIM Pumpers at OGDCL base Kotsarang at no additional cost to OGDCL.
2. For the first job after Repair & Maintenance of DAS (laptop) along with all sensors, cables & connectors, the contractor representative/technician have to stay at well site throughout the job at no cost to OGDCL.
3. Contractor will provide training, 06-Month repair work warranty and support services for repair of all equipment. If any hardware, sensor or cable malfunction during that period, it will be repair by contractor at no cost to OGDCL.
4. All maintenance of DAS along with all Sensors, Cables & Connectors will be responsibility of supplier
5. The quotes should be sent to **Oil & Gas Development Company Ltd Logistic Field Kotsarang C/O TCS Office Talagang District Chakwal Punjab** in closed envelope addressed to Operation Manager.
6. Only registered firms can submit their bids having NTN and STRN numbers.
7. The quotes will be opened on the date as mentioned in the tender notice, the bidder can mobilize his representative to site.
8. Surety bond of Rs.100,000/- (One Hundred Thousand Rupees) in favor of Operation Manager Logistic Field Kot Sarang at time of bid submission by all participants.
9. The successful bidder will be responsible to provide services for 03 months and do complete repair work of DAS along with all sensors, cables & connectors within one week of contract.
10. The repair work will be completed in all aspects after inspection of equipment by committee of logistic base Kotsarang.
11. After awarding contract to successful bidder, DAS along with all sensors, cables & connectors will be installed on OGDCL CTU & pumping equipment at CSB Kotsarang / Contractor facility by the contractor.
12. The payment will be made on monthly basis through cross cheque after receiving duly signed field tickets from Stimulation representative available at CSB Kotsarang.

**Note: Bidder should give acknowledgement of above-mentioned terms & conditions in written form.**

  
**MUHAMMAD ZUBAIR ASLAM**  
 JE - STIM  
 KOT SARANG

  
**MEHBOOB UL HAQ**  
 VC-CSB 14/7  
 KOT SARANG 10/06/2021

  
**MUHAMMAD FAYYAZ**  
 OM (LOG/CMT/STIM) BASE  
 KOT SARANG