



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

Date: 24-05-2024

**SCHEDULE OF REQUIREMENT**

**TENDER ENQUIRY # NOF/INST/22/2024**

**Hiring of services for DCS modifications during ATA 2024 at Nashpa plant**

S#	Description	Reference #	Rate	Total rate (inclusive of all Taxes)	Deviation
1.	New Meter Run Configuration with the existing DCS and incorporation in Raw Gas Calculation block <ul style="list-style-type: none"><li>Addition of 10 Modbus tags (SCADA points) in DCS Logic modification of existing totalizer to include additional value. HMI modification to display tags.</li></ul>				
2.	Plant Recycle loop development <ul style="list-style-type: none"><li>Addition of 01 DI &amp; 01 DO tags in DCS</li><li>Create PID block logic to control FCV HMI modification to display tags as per existing scheme</li></ul>				
3.	Logic development to stop EC-2301 A/B fan motor stop at defined set point <ul style="list-style-type: none"><li>Logic modification to Motor control block to stop Fans if TI-2314 &lt;= TALL (configured)</li></ul>				
4.	Logic Check of Mol Sieve 1+1 & 2+1 philosophy <ul style="list-style-type: none"><li>Monitoring of existing SCM (sequential control modules) logic during system testing. Provide support/troubleshooting in case of issue.</li></ul>				
5.	Start/Stop from DCS for new MRP Condenser Fan Motors (03 nos) <ul style="list-style-type: none"><li>Addition of 09 Nos I/O tags in DCS</li><li>Creation/Integration of logic for fan start/stop HMI modification to display tags/control as per existing scheme.</li></ul>				

6.	<p>Start/Stop from DCS for new Propane Pump Motors (02 nos) &amp; integration with ESD system</p> <ul style="list-style-type: none"> <li>Addition of 14 Nos I/O tags in DCS</li> <li>Creation/Integration of logic for pump operation</li> <li>Addition of 02 Nos I/O tags in ESD</li> <li>Creation/Integration of logic for ESD HMI</li> <li>modification to display tags as per existing scheme. HMI modification to display C&amp;E as per existing scheme.</li> </ul>				
7.	<p>Installation of 2"x300# ESDV (FC) at leaky Bowzer line and logic development for local &amp; remote operations.</p> <ul style="list-style-type: none"> <li>Addition of 02 DI &amp; 01 DO tags in ESD system</li> <li>Create logic in safety builder</li> <li>HMI modification to display tags as per existing scheme. HMI modification to Cause and effect screen</li> </ul>				
8.	<p>System Health Check &amp; Maintenance</p> <ul style="list-style-type: none"> <li>Execute basic system health checks and provide report. Provide system/DCS backups before and after modification jobs.</li> <li>Troubleshoot any system alarms. Rectify earth leakage alarm in ESD system.</li> </ul>				

### **System Details**

- 1- DCS Controller: Honeywell C300
- 2- DCS software: Honeywell Experion R431
- 3- HMI software: Honeywell HMIWeb Display Builder 6.6.104.5002
- 4- Safety Manager R153.2 Honeywell. SM Processor: QPP-0002 CC V1.2

### **Terms and conditions:**

1. Commissioning Engineer(s) must have 5-year experience using Honeywell Experion and Safety Manager.
2. Contractor must have 10-year experience on control system projects in Oil and Gas Sector.
3. Contractor will conduct modifications during ATA-2024 (31-07-2024 to 12-08-2024) to implement the newly developed logic for all and SAT for above mentioned jobs shall be done in ATA. Please note that period and plan of ATA may change as per directives of competent authorities.
4. Engineer shall be present during startup/commissioning of the plant.
5. All relevant documents and information shall be provided to the successful bidder on approval of competent authorities.
6. Contractor should be registered in KPRA to provide services in our site situated in KARAK-KPK.
7. Boarding/lodging may be provided accordingly following company policy.
8. All field jobs (wiring, termination, installation) is in OGDCL scope of work.

9. Any pre-bid visit prior to issuing final Work Order, if required by the contractor, should be free of cost.
10. Contractor to submit detailed report after completion of job.
11. Original Competitive quotation through courier service is mandatory. Note that here only TCS is providing services in KOHAT and near premises like KARAK-KPK.
12. Required Professional Tax certificate
13. Required IBAN Account No. details.
14. On job completion, required Original Commercial and Sales tax Invoices.
15. Contractor will submit the bid incorporating all expenses that will be borne by the contractor as a lump sum amount. The quoted price shall remain firm, OGDCL will not bear any additional charges.
16. Per day rates will not be entertained.
17. Contractor will be responsible for and aware of all applicable taxes. In case of any dispute all additional costs will be borne by the contractor