

## CLARIFICATION NO. 05

**TENDER NO. PROC-FC/CB/PROD/NASHPA-2034/2017**

### **SCADA SYSTEM FOR NASHPA WELLS**

One of the prospective bidders has asked the queries, reply is as follow:-

Query: With reference to subject tender #, It is mentioned in clause # 11.0 of terms & conditions that bidder should be registered with CSIA. However as per our understanding, CSIA registration is only applicable to Integrator companies and not for OEM

**Reply: Since Scada system is an integration of different vendor equipments, therefore CSIA registration is mandatory as per clause 11.0 of tender specifications.**

Query: Reference to subject tender enquiry SOW (Attached) Page 44; Technical Specs for MUX/DeMUX are not given. Please provide the Specifications of MUX / DeMUX.

**Reply: Specifications of the MUX/DEMUX will be vendor recommended to meet the desired specifications of the tender documents.**

Further queries and their response is tabulated below:-

		<b>Queries</b>	<b>OGDCL Reply</b>
2034-Attachment _ 06 SOW Nashpa Well Control SCADA System.pdf	5.9 JUNIOR ORIFICE ASSEMBLY	The factory can't calculate without the necessary process conditions, such as pressure, temperature, flow rate;	<b>PI follow tender specifications clause 9.1.1.</b>
		In the section 5.0 REMOTE TERMINAL UNIT (RTU) / PLC described "The Remote Terminal Unit (RTU) / PLC enclosure will be mounted in a non-hazardous area (outside 30 ft. radius of wellhead)."  And  In the section 5.2	<b>50 meters</b>

		<p>POWER / DATA CONNECTIONS described "Distance between RTU/PLC and Wellhead is 50 meters.";</p> <p>Need to confirm that, which one should be followed?</p>	
5.0 REMOTE TERMINAL UNIT (RTU) / PLC		<p>In this section described that, the</p> <p>Signal cable need to Through tube and led underground, pls confirm that, these works include in our scope of work or not?</p>	<b>Civil works are under Ogdcl scope.</b>
		Pls provide the PID and Wellhead layout plan;	<b>Not required as the Distance between RTU/PLC and Wellhead is already given as 50 meters</b>
2034- Attachment _ 06 SOW Nashpa Well Control SCADA System		<p>In this section described that, communication structure is the Wellsite RTU communicates with the MTU in SCS first, then the SCADA system can be worked with the MTU to catch the well site monitoring data.</p> <p>But if the allocative SCADA system directly implements redundant communication and monitoring functions with the Well site RTU</p> <p>Can we cancel the SCS MTU Settings?</p>	<p><b>Communication between MTU and RTU will be redundant based on wireless solution. RTU/PLC will monitor the local analog and digital inputs and will perform local control operations. Data will be reported on a per scan basis to the Nashpa SCADA Control Station. Master PLC / MTU (Master Telemetry Unit) will be used for all data interface and control for the SCADA system. Using a base radio unit, Master PLC</b></p>

			<p>will poll data from each one of</p> <p>the well sites RTU's/PLC's on Time Division Multiplexing (TDM) basis.</p>
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