

CLARIFICATION NO. 02

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

SCADA SYSTEM FOR NASHPA WELLS

One of the prospective bidders has asked the queries, point wise comments given against each.

1. On page 4 of SOW (attached):

Supply, Engineering and Commissioning of data communication equipment radio modems, towers, repeater stations (if required between remote site and base station) etc at all well site and base station (SCS). **We need to know the detailed requirement for towers and repeater stations.**

REPLY: Nashpa Location Map drawing provided at page # 60 of tender specifications has shown site coordinates. Bidders will design and provide communication system as mentioned in the tender specification clause 4.3.

2. On page 14 of SOW (attached):

The SCADA Control station will monitor and control the operation of 08 wellhead remote terminal units/PLC's. **The location of the SCADA control station.**

REPLY: At Nashpa Plant, mentioned in the Nashpa Location Map drawing provided at page # 60 of tender specifications.

3. On page 14 of SOW (attached): One Telecom cabinet with 1+1 Redundant Radio System. **The detailed requirement for them.**

REPLY: Telecom cabinet is for placement of Redundant Radio Systems.

4. On page 18 of SOW (attached): Video performance. **The detailed function description for it.**

Reply: Already described in tender specification clause 4.3.1 (4).

5. On page 25 of SOW (attached): 4.12.1 HMI SOFTWARE DESIGN, 20 remote stations, Does it mean 20 remote computers?

Reply: No, 20 remote well sites.

6. On page 32 of SOW (attached): 4.13 PANEL BOARD, The detailed size of it, any room limitations?

Reply: No limitations.

7. On page 44 of SOW (attached): 5.12 WELLHEAD CCTV SYSTEM, how many CCTV cameras required for one wellhead?

Reply: Quantities of CCTV cameras is already provided in the BOQ list mentioned in para 12.0 of Detailed Specifications under Foreign Supply Parts.

8. On page 50 of SOW (attached): 6.1.1 SOLAR POWER SYSTEM, the power consumption is calculated on the 150% of the total system consumption we applied?

Reply: No, Batteries maximum current shall be designed for 150% of the maximum expected load.

9. On page 57 of SOW (attached): 11.1 Proposed Vendor List, The HMI mentioned here will be installed at the wellhead side for each well?

Reply: No, HMI will be installed at Scada Control Station.