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TENDER DOCUMENT NO.IGL/ET/CP/CC18109
SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND INTEGRATION OF RTU PANELS ALONG WITH CAMC

REPLY TO BIDDERS QUERIES - III

Sr No.	Section	Page No.	Tender Clause	Bidder Query	IGL Reply	Bidder Reply	IGL RE-REPLY
1	V	SOW 11.0 Page no. 81 of 138	RTU	We have embedded RTU, which meets all the technical requirements as per embedded standard. We also have CCOE certificate of RTU.	* Refer Clause No: 11.1, and provide all related documentation regarding the product that will be provided. *Tender condition prevails	Please refer the attached RTU Docs document. We will provide all inputs and outputs as per the tender specification.	1. Refer Section V, Annexure 2, page 92 (total input/output in RTU). Offered RTU (G-2S455T-RTU) port features are not fulfilling input/output ports requirements. (For example, Offered RTU is having one number of RS-485 port with multidrop facility, however tender requirement is of 4 nos. of independent RS-485 ports with multidrop facility (configurable to both master and slave) 2. Bidder to provide compliance against RTU specification mentioned in tender page no 84, clause 13.1 (For example, 32 bit Microprocessor required, NVRAM : Min 512(kB) (battery-backed) for data logging and retained variables) 3. 2 nos. Ethernet ports (independent) are required in RTU 4. The RTU shall scan the field and the memory buffer is to be sized (by considering min 15 days down time for SCADA system) to store all the changing data (i.e. new exception report for the data every poll time) and SCADA station receive the same without any loss of data 4. Bidder to provide IEC-62443 compliance certificate and G3/G2 compliant certificate for offered RTU 5. Refer clause No. 11.1 point d) and e), kindly provide Recent PO for supply of this product for SCADA/DCS system and performance report of product from user *Tender condition prevails
2	V	SOW 11.0 Page no. 81 of 138	RTU Make	Bidder is requesting IGL to kindly include TGT Make RTU in approved vendor list.	*Refer Section V Scope of work Clause 11.1 Page no 82 of 138, and submit all the relevant documents mentioned in the clause. *Tender condition prevails	Please refer the attached TGT_RTU catalog document. We will provide all inputs and outputs as per the tender specification.	
3	V	SOW 11.0 Page no. 81 of 138	Modem	Bidder is requesting IGL to kindly include TGT Make Modem in approved vendor list.	*Refer Section V Scope of work Clause 11.1 Page no 82 of 138, and submit all the relevant documents mentioned in the clause. *Tender condition prevails	Please find TGT RTU catalog document. we have invalid GPRS Module, as per Tender requirement	1. Refer section V, Annexure - IV, Page 100, Clause 3.3, Telecom modem unit shall be separate from RTU unit. 2. Refer Section V, Clause 13.5, Page 89, modem should consist of minimum of 2 number Ethernet ports with two different IP address for communication with RTU. 3. Refer Section V, Annexure - IV, Page 108, Clause 8.18, modem at RTU end to support IPSEC encrypted VPNs, 4G/Above & LTE wireless Modem with option to work in 2G/3G mode 4. Refer clause No. 11.1 point d) and e), kindly provide Recent PO for supply of this product for SCADA/DCS system and performance report of product from user *Tender condition prevails
4	V	SOW 11.0 Page no. 81 of 138	Isolator/Barriers	Bidder is requesting IGL to kindly include TGT Make Isolator/Barriers in approved vendor list.	*Refer Section V Scope of work Clause 11.1 Page no 82 of 138, and submit all the relevant documents mentioned in the clause. *Tender condition prevails	Our module has an inbuilt isolator/barrier. that is CMRI and PESO approved.	1. Bidder to understand that main requirement of Barriers is to isolate RTU from field equipments (hazardous area) in case of AI/DI and relay in case of DO. Therefore, tender requirement is to provide separate barriers. Please refer Section V, clause 13.3, Page 88, bidder to comply with specifications of barriers mentioned. 2. Refer clause No. 11.1 point d) and e), kindly provide Recent PO for supply of this product for SCADA/DCS system along with performance report of product from the user. *Tender condition prevails
5	V	SOW 13.1 Page no. 84 of 138	Modular based rack mounted RTU	Modular based rack mounted RTU, In Embedded RTU case, it will be of board type	*Bidder to provide detailed specification and information regarding the RTU panel that they are offering. *Tender condition prevails	We have DIN rack mounted RTU	DIN rack mounted RTU is acceptable *Tender condition prevail
6	V	SOW 6.2 Page no. 102 of 138	6.2 RTU software <input type="checkbox"/> Programming software as per IEC 61131	IEC 61131 is PLC standard, we are following Embedded Standards for manufacturing of RTU.	*Bidder to provide detailed specification and information regarding the RTU software that they are offering. *Tender condition prevails	Noted.	Bidder to comply Programming software as per IEC 61131 *tender condition prevail

Note:
1. Please note that only the clarifications of the queries received from the bidder's are replied in this corrigendum, under reply to bidder's Query. In case, if any discrepancies is observed between the tender document and the clarification stated above, the tender condition shall prevails for those cases.
2. All other terms & conditions of tender document remain unaltered.
3. Bidders are requested to visit IGL website / IGL's tendering website <https://petroleum.ewizard.in> regularly for further announcement
4. Please submit the signed and stamped copy of this corrigendum along with your offer.