

Amendment No-1 to the Bidding Document

RTU Package (Package-III) under Strengthening of the Communication system, providing RTUs and Auxiliary Power Supply Sys  
HVPNL, IFB No.: WB/2008/G-20(03)

Sl.No.	Clause No.	Existing Clause	Amended clause (Proposed)
9	Volume-1, Section-IV, Schedule-1	New item added Item No A 15	Description Industrial Ethernet switches of minimum 8 ports as per Appendix-A for IED integration on IEC 61850 Unit Nos Qty 7
10	Volume-1, Section-IV, Schedule-1	New item added Item No A 16	Description License for IEC 61850 for IED integration as per Appendix-A Unit Nos Qty 7
11	Volume-1, Section-IV, Schedule-2	New item added Item No A 15	Description Industrial Ethernet switches of minimum 8 ports as per Appendix-A for IED integration on IEC 61850 Unit Nos Qty 7
12	Volume-1, Section-IV, Schedule-2	New item added Item No A 16	Description License for IEC 61850 for IED integration as per Appendix-A Unit Nos Qty 7
13	Volume-1, Section-IV, Schedule-1	New item added Item No A 15	Description Industrial Ethernet switches of minimum 8 ports as per Appendix-A for IED integration on IEC 61850 Unit Nos Qty 7
14	Volume-1, Section-IV, Schedule-1	New item added Item No A 16	Description License for IEC 61850 for IED integration as per Appendix-A Unit Nos Qty 7
15	General	Address of the Employer / Bidder's name & address: The designation, 'Superintendent Engineer / SLDC (Design & Construction Circle)' wherever appearing in the bidding document.	The designation may be read and referred to as Superintendent Engineer / SLDC (Design & Construction Circle) wherever appearing in the bidding document.
16	ITB 17.7 of BDS, Volume-I	The prices quoted by the bidder shall be FIRM.	The prices shall be in accordance with the following:  Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account except for the "Annual Maintenance charges (AMC) after the Defect Liability Period".  For the AMC after the Defect Liability Period, Prices quoted by the Bidder shall be subject to adjustment during performance of the contract to reflect changes in the cost elements for labor in accordance with the procedures specified in the corresponding Appendix - 2 to the Form of Contract Agreement.
17	ITB 2.1 of BDS of Commercial bidding document	The name of the Project is: Strengthening of the Communication system, providing RTUs and Auxiliary Power Supply System for Haryana Vidyut Prasaran Nigam Ltd. (HVPNL).	The name of the Project is: Strengthening of the Communication system, providing RTUs and Auxiliary Power Supply System for Haryana Vidyut Prasaran Nigam Ltd. (HVPNL).  The loan is currently available up to December, 2014 and request for extension of loan up to December, 2015 has already been initiated. In case the loan is not extended, HVPNL will fund the contract from own resources.

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Sl.No.	Clause No.	Existing Clause	Amended clause (Proposed)
1	Section -2, Technical specifications, Section 2 Clause No-1 General Page No. -4	RTU shall communicate on Analog PLC communication system upto fibre optic nodes on IEC 60870-5-101 Protocol. The contractor shall provide terminal server at fibre optic nodes to communicate on IEC 60870-5-104 protocol to Main and Backup Control centre.	RTU shall communicate on Analog PLC communication system upto fibre optic nodes on IEC 60870-5-101 Protocol. The contractor shall provide terminal server at fibre optic nodes to communicate on Ethernet over TCP/IP to Main and Backup Control centre.
2	Sec. 2 Tech. Specification of RTU, 1.8	The RTU shall use the IEC 61850 protocol for communication with IEDs/Numerical Relays over Sub-station LAN.	The RTU shall use the IEC 61850 protocol for communication with IEDs/Numerical Relays over Sub-station LAN. The Industrial Ethernet Switch of minimum 8 ports for connecting the relays shall be provided by the contractor. The ethernet switch shall be powered on DC supply (48V/220V). The number of IEDs for each substation shall be same as that of Number of bays given in the BOQ.
3	Volume-II, Section-2, 1.28	The RTUs working on IEC 60870-5-101 protocol shall be terminated to the terminal servers and shall communicate on IEC 60870-5-104 protocol on Ethernet to minimum two number of master stations.	The RTUs working on IEC 60870-5-101 protocol shall be terminated to the terminal servers and terminal server shall communicate on Ethernet to minimum two number of master stations.
4	Volume-II, Section-2, 1.28	The Terminal servers shall be generally be mounted in the RTU panel and shall use 48V DC power supply available in the RTU panel. At some of the locations where the RTU/SAS is provided by the Employer, The Terminal servers shall be mounted in the Communication panel of the employer and shall use the 48V DC power supply available in the communication panel.	The Terminal servers alongwith Modems and splitters shall be generally be mounted in the RTU panel and shall use 48V DC power supply available in the RTU panel. In case of non availability of the space in the RTU panel separate terminal server panel shall be provided by the contractor for mounting the terminal servers alongwith modems and splitters. The 48V supply for this panel shall be extended from RTU panel.
5	Volume II, Section-2, Table-1, S.No.2, Coulmn Value	Minimum 8 Ports	deleted
6	Volume II, Section-3,	The Contractor shall provide all required consumable and non consumable supplies necessary to support all installation and test activities through final operational acceptance. However, if there are any problems in the SAT and additional consumables are required, the same shall also be supplied by the Contractor at no additional cost.	The Contractor shall provide all required supplies necessary to support all installation and test activities through final operational acceptance. However, if there are any problems in the SAT and additional consumables are required, the same shall also be supplied by the Contractor at no additional cost.
7	Volume -II, Appendix-B	New item added Item No A 15	Description Industrial Ethernet switches of minimum 8 ports as per Appendix-A for IED integration on IEC 61850 Unit Nos Qty 7
8	Volume -II, Appendix-B	New item added Item No A 16	Description License for IEC 61850 for IED integration as per Appendix-A Unit Nos Qty 7

