

BHEL clarifications on Bidder Queries

Enquiry No: T7H1Q06054, [PLCs \[BOP PLC + UB BMS PLC + HRSG BMS PLC\]](#), RFCL Ramagundam Project

S.No	Reference	Bidder Query	BHEL Clarification
1	Cl. 9.11.9 of PY 56216, page 5 of 12	Technical specifications of Engg work station, SOE station, Operator work station	<u>Clause added:</u> (Cl. 9.11.9 of PY 56216, page 5 of 12) Console Electronics (suitable for table-top mounted consoles) including monitor with touch screen(touch screen should be an integral part of the monitor and shall not be added on the monitor with the help of any additional hardware), keyboard, mouse, CPU (with minimum quad core technology & 4 GB DDR3 RAM with at least 60% spare memory capacity at full loading), hard disk drive, DVD R/W, USB port etc. for Operation; Sequence of Events, Dynamic Graphic displays, Group displays, alarm summary, Trend etc. shall be provided for operator interface. All the engineering/ modification/ software download/ updation must be possible on line through menu driven function. Anti virus software shall be provided to avoid software corruption. The configuration data shall be protected against power failure. All necessary Licenses (without any recurring fee) for carrying out Engineering, operation, configuration/ programming, troubleshooting etc. shall be provided by Contractor.
2	Cl. 9.9 of PY 56216, page 5 of 12	Two copies of application program and two sets of licensed system software shall be supplied.	<u>Clause is modified as:</u> <i>"Each SOE station and Engg station shall have its own dedicated SOE and Engg Software Licenses respectively. Apart from that for common 2 nos. of Operator Stations, each Operator Station will have its own dedicated license"</i>
3	Annexure-[D] of PY56216	PLC configuration diagram	<u>Following clarification is added as Note-6 in Annexure-[D] of PY 56216 :</u> PLC networking shown between PLCs and work stations is only a functional representation as defined below: - Common Operator work stations (for all PLCs) for operation - Dedicated Engg work station for each PLC - Dedicated SOE station for each PLC - Dedicated printer for each SOE station & - Common printer for all PLCs To meet the above requirement, <i>the networking philosophy between PLCs and work stations shall be as per OEM design without compromising the no. of PLCs, redundancies, no. of workstations (OWS, EWS & SOE) and their defined functions meeting NIT specifications.</i>
4	Note-6.3 of Annexure-[B] of PY 56216	Spare slots wiring	<u>Clause is modified as:</u> <i>Spare slots/space - to be calculated on (actual rounded off module qty/ used space + installed spares rounded off module qty/ space for installed spares + installed commissioning rounded off module qty/ space for installed commissioning spares).</i>
5	Clause 13.1.3 Special conditions of contract	Payment period	Amount shall be payable within 45 days (45 days for MSME vendors also) after receipt of clear bill along with dispatch documents in Annexure-1 (applicable to every bill).

Note: All other requirements of enquiry specifications remain unchanged.