

PROJECT: STEAM AND POWER GENERATION PACKAGE for REVIVAL of RAMAGUNDAM FERTILIZER COMPLEX.

ITEM: BOP PLC + HRSB BMS PLC + UB BMS PLC

Sr. No.	RFQ Document Name & Page no.	Clause / Spec no.	Specification Detail	Bidder (Query)	BHEL Comment
1	PY56216-R00-PLC - RFCL.pdf, Page 4 of 12	9 Technical SPECIFICATIONS, Pt no. 9 (Software)	Two copies of application program and <u>two sets of licensed system software shall be supplied.</u>	Pls elaborate the requirement of two sets of licensed system software.	Please follow NIT specifications
2	PY56216-R00-PLC - RFCL.pdf, Page 4 of 12	9 Technical SPECIFICATIONS, Pt no. 11 , 5)	All SMART (HART) inputs connected to PLCs shall be integrated with End user's Instrument Asset Management system (IAMS). Bidder shall provide necessary hardware (with HART Multiplexer and RS-485 connectivity) and <u>software for HART communication transmitters / positioners with purchaser's IAMS.</u>	We understand that IAMS shall be provided by end user and Bidder scope will be only to supply the HART multiplexers & its connectivity with IAMS. Request BHEL to elaborate the software details i.e., what type of software for HART communication transmitters / positioners they are asking for.	This clause is redefined as: <i>All SMART (HART) inputs connected to PLCs shall be integrated with End user's Instrument Asset Management system (IAMS). Bidder shall provide necessary hardware (with HART Multiplexer and RS-485 connectivity) with purchaser's IAMS.</i>
3	PY56216-R00-PLC - RFCL.pdf, Page 5 of 12	12 EARTHING, Pt no. 12.1 thru 12.4	12.4 All hardware with in package required for earthing & connectivity up to BHEL's earth points shall be in vendor scope.	We understand that Earth Pit construction & Earth strip/cable shall be provided by BHEL. Bidder scope shall be only to provide the earthing bolt at PLC Panel for earthing connectivity. If earthing strip/Cable in Bidder scope, request BHEL to provide the distance between Earthing Pit and PLC System Panels.	This clause is redefined as: <i>All hardware with in package required for earthing & connectivity in-line with cl 12.1 - 12.3 shall be in vendor scope.</i>
4	Annexure-(B) - IO COUNT.pdf, Page 2 of 3	Installed Spares	For I/O cards : 20% of base quantity given in above Tables. Remark: All the installed spares shall be supplied with fully wired up.	Request BHEL to re-confirm from EIL/End user the requirement of intermediate accessories like Barriers, interposing relays etc for 20% I/O cards & for 15% spare slot, as EIL standard specification (Annexure-[E] - NIT_5 - Spec for PLC-pdf.pdf) never ask intermediate accessories for 20% I/O Crad & spare slots. <i>20% spare channels have already been considered with Barriers/Relays in I/O count given by BHEL then why this additional requirement of intermediate accessories over & above 20% spare channel ?</i>	Please follow NIT specifications
5	Annexure-(B) - IO COUNT.pdf, Page 3 of 3	Note 6.3	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). Spare slots shall be fully wired upto-marshalling TB including intermediate accessories like Barriers, interposing relays etc.		
6	Annexure-[D] - PLC Configuration Diagram.pdf	SOE HMI		What does it mean by SOE HMI ? We understand that SOE station will be used only to show the SOE recordings & its History, SOE station will not have any Graphic functionality (Operator's Control & Monitoring) like Operator Stations.	Bidder understanding correct.
7	Volume I – GCC Cl 8.2	7 of 22	<u>Transit insurance shall be borne by vendor upto consignee address</u>	Referred clauses of General conditions of contract (GCC) , Special conditions of contract (SCC) and Price Bid formats are contradicting. Please let us know the scope of transit insurance to be considered in the offer	Pl note that transit insurance is in BHEL scope. Bidder to quote freight charges only.
	Volume II – SCC, Cl 1.1, Cl 9.1 Annexure C - Price Bid format	2 of 12 6 of 12 Sl No. H – taxes & duties	<u>transit insurance is by BHEL</u>		
8	Volume I – GCC Cl 3.7	6 of 22	<u>Total E&C charges including service tax should be minimum 15% of the total quoted package price (excluding mandatory spares but including all taxes and freight), failing which the break-up of prices shall be adjusted accordingly for ordering.</u>	Referred clauses are contradicting Request BHEL let us know the E&C charges to be considered in our offer	GCC explains about E&C and where as in price sheet the percentage is mentioned w.r.t Supervision of E&C. Since present tender doesn't have E&C scope, bidder is requested to consider relevant terms for Supervision of E&C only. Hence you are requested to follow clause in price sheet i.e., "The total supervision of erection & commissioning charges should be minimum 10% of the total quoted price of the supply package excluding taxes and duties, failing which break up of prices shall be adjusted accordingly for evaluation & ordering"
	Volume IV – Annexure C - Price Bid format Note 6	1 of 1	<u>The total supervision of erection & commissioning charges should be minimum 10% of the total quoted price of the supply package excluding taxes and duties, failing which break up of prices shall be adjusted accordingly for evaluation & ordering</u>		