

**THE REFURBISHMENT OF DEMINERALISED WATER TREATMENT PLANT AT LETHABO POWER STATION FOR A PERIOD OF THREE (03) YEARS**

**MWP2184GX-R**

No.	Document	Section	Page	Requirement	Clarification Questions	Client Response
1.	375-LET-BDDD-D00185-21 - Lethabo Power Station Demin Plant Refurbishment Technical Specification	9.10 Distributed Control System (DCS)	116	<p>The <i>Contractor</i> shall be responsible for:</p> <p>Supply, delivery, installation, and termination of all DCS hardware</p>	<p>The tenderer requires either a detailed system architecture drawing, cabinet layout drawings, and IO allocation diagram, or a detailed DCS HW BOQ to accurately price the Foxboro DCS HW.</p> <p><i>Alternatively, since the exact DCS hardware quantities will likely only be determined during detail design, the hardware requirements can be estimated for tendering purposes based on the "Count" sheets in Appendices D2 and D4, for "New" IO only.</i></p>	<p>The tenderer is advised to utilise the IO list for the WTP as a basis to establish the amount of IO channels that are currently available. Do not use the count sheet as it was supposed to be deleted from the spreadsheet as it included other scope that is not included anymore. The demin trains are assigned to CP2, 3 and 4 for train 1, 2 and 3. Filter column L for where the T/A is located at which point the IO is interfaced. Most of the analog cards T/A are located on JM01-JM04, JB01 and JB03. Should the tenderer still require the layout drawings it can be supplied.</p>

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2.	375-LET-AABZ31-SG0001-2 Rev 3	Qualitative technical criteria 5.5	12	The tenderer provides datasheets for flow meter-open channel	Please clarify why this required as there are no "open channel" flowmeters in the Instrument list (Appendix D4 of Technical Specification)	The tenderer should note that line 7 and 8 in appendix D4 are open channel flow meters (10UA11F005/6).
3.	375-LET-AABZ31-SG0001-2 Rev 3	Qualitative technical criteria 5.9	12	The tenderer provides datasheets for manifold	Please clarify the exact requirement and specifications	<p>The tenderer provides the datasheet for the 5-way manifold intended for use on differential flow and pressure applications. Two-way manifolds for pressure transmitters, switches and gauges. Refer to section 9.14 in the technical specification.</p> <p>All analog instrument signals shall range between 4-20mA and the analog devices shall have a digital graphical display. The Contractor is required to use loop powered instrumentation (24V DC) where</p>

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						<p>possible. Pressure transmitters, pressure switches and pressure gauges are equipped with 2-valve manifolds. Every instrument shall be specified to function in the complete process range it will be used in. The range should preferably match the current process ranges where possible. Every instrument shall be specified to function in the process medium it will be used in. Unless other criteria are applicable all instrumentation shall be rated for ingress protection of IP65 or better according to SANS 60529. Differential pressure transmitters are equipped with 5-valve manifolds, for gas applications they are equipped with 3-valve manifolds with two test connectors.</p>

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4.	ITT	3.19 Objective Criteria (if applicable)	10	Amendment of costing requirement for SABS	<p>The bidder kindly requests a re-evaluation of the below requirement stated in the ITT: <b><i>The tenderer is responsible for paying this verification amount to SABS. This verification cost refers to the actual designated product ONLY and not to the total supply or project or contract.</i></b></p> <p>The bidder requests the removal of the above costing requirement as this is not common practice in recent tenders. If this costing requirement cannot be removed, please kindly indicate how much the bidder should allow, i.e., what is the amount?</p>	To be responded in due course. Please send reminders on this.

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