

 Eskom	Tender Questions and Answers	Document Identifier	240-7124948	Rev	1
		Effective Date	01 April 2023		
		Review Date	April 2031		

To whom it may concern	Date	<u>03 September 2026</u>
	Enquiries	<u>E3337GXPOU</u>
	E-mail address	<u>SizaniSi@eskom.co.za</u>

Dear Sir/Madam

Request for Enquiry Number	E3337GXPOU
Description / Project Title	Design, Manufacture, Supply, Delivery, Installation, Testing and Commissioning of Fixed Hydrogen Gas Detection Systems for Battery Rooms at Drakensberg and Ingula Pumped Storage Schemes.
Tender Questions Closing Date	<u>The tenderer will notify Eskom of any clarifications required before the closing time for clarification queries, which is five (5) working days before the deadline for tender submission.</u>

Item	Questions	Answers	Clarity Published Dates
1.	In the current scenario, we need to connect to a Zitron and Aritech panel, which is not UL or FM approved, and the only signal that you can get is a fault or an alarm signal. Is this how you want it?	Confirmed. Provision to be made for a common fault and alarm signal from the controller to be displayed in future on the station fire detection panel and also a fault signal from the power supply to be displayed in future on the station fire detection system. A common fault and alarm signal from the controller	2026/09/04

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		must be displayed on the SCADA. Take note of the following requirements as detailed in the NEC: “Provision is made for integration of the Hydrogen Detection Controller to an I/O module to enable future integration with the Station Fire Alarm System. The Contractor ensures full installation up to the I/O Unit. Provision is made for integration of the fault conditions from the 24V DC Power Supply to an I/O module(s) to enable future integration with the Station Fire Alarm System. The Contractor ensures full installation up to the I/O Unit. The integration of the Hydrogen Detection Controller with the SCADA System to enable display of alarms and fault indications on the SCADA.”	
2.	Page 14 on the Scope of Works - We assume that this is a statement to error you possibly refer that the detectors in the zone 2 battery room classification should be explosion proof and not the controller that will be positioned outside the battery room	The suppliers to please take note that the NEC Document is relevant and the tender returnable must be based on the NEC and not the scope document that was included in the enquiry. The NEC does mention an explosion proof controller and since the controller will be positioned outside of the battery room, it is not required to be explosion proof despite it being mentioned in the NEC document as explosion proof. The supplier to take note of the requirement of isolation or Zener barriers that will apply as detailed in the NEC.	
3.	Potential document discrepancy: Scope Appendix 4 lists lower Drakensberg quantities (e.g., 5 detectors / 500m PH120 cable) while NEC3 C2.2 lists 16 detectors / 1000m. Confirm governing schedule/addendum.	The tender returnable must be based on the NEC document and not the Technical Specification document 556/37.	

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4.	Please provide us with an Excel format of the BOQ.	An excel format of the BOQ does not exist.	
5.	Drakensberg Power Station (Ziton System) and Ingula Power Station (Aritech System)	We are not sure why points 6, 7, 8 & 9 have been raised and how it applies since there is no physical integration to the existing Aritech and Ziton Fire Detection Systems and no components are required that affect the design, operation, installation, commissioning and maintenance of these systems. The supplier to take note of the provision of the components required for future integration with the systems. The Ziton and Aritech Systems are not being affected and these comments raised under points 6, 7, 8 and 9 are not relevant to the design, supply, delivery, installation, testing and commissioning of fixed hydrogen detection systems for battery rooms at Drakensberg and Ingula Pumped Storage Schemes.	
6.	At both these power stations there are Detronics EQP controllers installed. Thus the sensors are connected to the STB which is in the Battery Room, and this is connected to the UD10 on the outside by the door. If someone wants to enter the room, they can see what the H2 levels are before entering. The UD10 is then connected to the LON loop which communicate with the controller, and the controller use modbus to the SCADA where the measurements are populated. In the current scenario, we need to connect to a Ziton and Aritech panel, which is not UL or FM approved, and the only signal that you can get is a fault or an alarm signal. Is this how you want it?	Addressed under Section 1.	

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	The sensors will be connected to the STB which is in the Battery Room, and this is connected to the UD10 display units at the entrance of the door, connected to the Controller and then connected to the I/O units of the fire panel.		
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Signed as a correct record:



 Chairman

2026/09/04

 Date

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