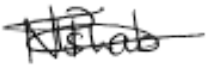


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Arnot Power Station Scope of Work: Supply and Services for Fly Ash samplers spares	Unit	1-6
	Genix ID	N/A
	Date	09/7/2025

SOW type	Supply, Deliver and Refurbishment or Services of Fly Ash samplers		
Department	Performance and Testing	System	Boiler
Scope review date			

Details	Senior Advisor Engineering	Performance & Testing Manager
Name & Surname	Nolitha Tshabane	Manager Performance and Testing
Signature		
Date	09/07/2025	2025/07/09

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1. GOAL

- Assess mercury capture by fly ash
- Optimize combustion for minimum NOx emissions
- Save fuel by minimizing excess air while controlling carbon losses
- Produce high-quality fly ash for sale
- Minimize labour involved in routinely sampling fly ash
- Avoid sample bias and time lag involved in hopper or ash-line sampling

2. OBJECTIVES

2.1 TECHNICAL CRITERIA

- History of Service
- Lead Time
- Adherence to Technical Specifications
- Warranty & Support

2.2 TIME MANAGEMENT

N/a

3. SUMMARY OF THE SCOPE

Supply, Deliver and Refurbishment or Services of Fly Ash samplers spares for a period of 36 months on as and when required basis at Arnot Power Station

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4. APPLICABLE CORPORATE/GENERATION/INTERNATIONAL GUIDELINES AND STANDARDS

No	REFERENCE NUMBER	DOCUMENT TITLE
1.	ISO 9001	Quality management systems-Requirements
2.		
3.		

Contractors to ensure that work is performed against the latest revision of referenced standards (stated above).
Contractors to ensure that cross referenced and normative standards of the above-mentioned standards are also adhered to.

Contractor to ensure it is familiar with radiation legislation and that all requirements (above and beyond what are mentioned here) are met. This includes Government Gazette's etc.

5. APPLICABLE ARNOT POWERSTATION STANDARDS AND PROCEDURES

No	REFERENCE NUMBER	DOCUMENT TITLE
1		Site Regulations and Access control
2		Health, Safety and Environmental requirement

6. GENERAL CONSIDERATIONS

ACTIVITIES	SPECIFICATIONS
SAFETY	
Safety files	All safety files must be updated and accepted before activities can commence Employees must adhere to all the safety precautions.
OSHAS 18001	Occupational Health and Safety
ENVIRONMENT	
Arnot Waste Management procedure	
General Environmental Management	
QUALITY	

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Process Quality Process/Procedure (PQP/QCP) QCP to be generated prior to commencement of work. QCP must then be supplied to the engineer for review	
Hold and witness points ➤ H&W points that form part of the QCP and have been approved prior to the start date, shall not be by-passed under any circumstances without the written concession of an authorised member of the Engineering Department. It is the Contractors responsibility to inform the Plant Engineer or his representative at the daily progress meetings when an activity will be ready for QC.	
General Requirements	
The importance of correct equipment spares and procedures should be included in structured toolbox talk sessions with all contractors.	
Documentation	Contractor to supply QCP's
Equipment	

7. SCOPE OF WORK

7.1 The scope of work covers the supply, delivery and refurbishment of all Cegrit Automatic fly ash sampler parts to Arnot Power Station as tabulated below.

Item	Bill description
1	Transportation –Collection and delivery
2	AS3 Probe - Part # 321-202-00 2m long with shield
3	AS3 Ejector Nozzle - Part: # 321-209-01 dual nozzle
4	AS3 Ejector Tube - Prt # 321-210-01
5	AS3 Sealing Washers
6	AS3 Cyclone Plug - Part # 321-207-01
7	AS3 Inlet Socket 3/4" stainless socket with tapping points
8	AS3 Stainless Steel Cyclone - PRT # 321-206-02

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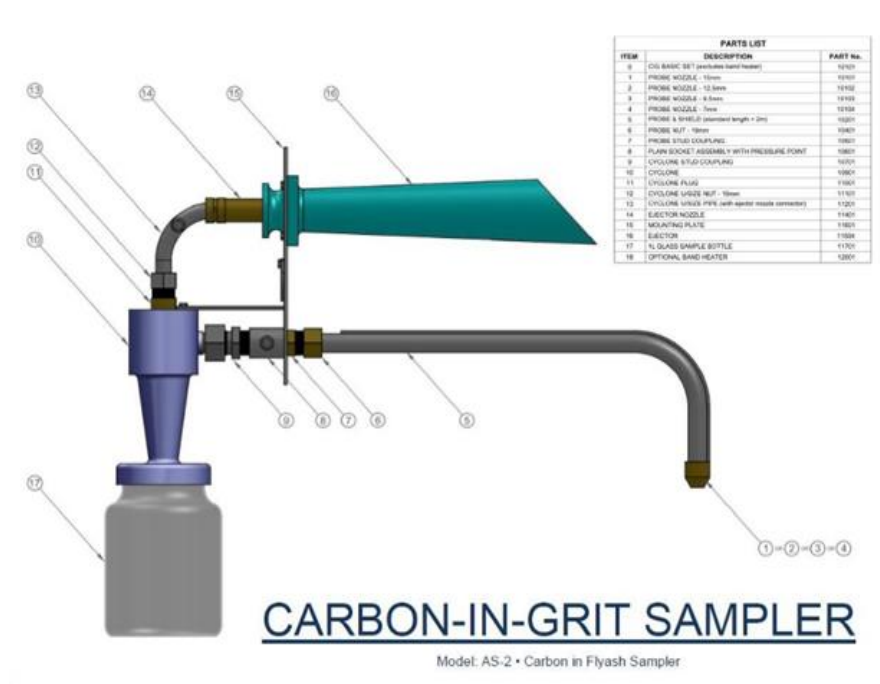
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9	AS3 Mounting Gasket
10	AS3 U/Size Pipe Assembly - Part # 321-208-01 with tapping points
11	AS3 Cyclone Stud Coupling - fitted to cyclone inlet pipe
12	1L Sample Jar
13	AS3 Probe Stud Coupling
14	AS3 Probe Nozzle - Part # 321-201-02 12.7mm brass
15	AS3 Fly Ash Sampler service: includes annual calibration, removal, cleaning & purging

7.2 AREAS TO BE REPLACED OR REFURBISHED

Unit 1-6 Air heaters, Boiler Plant.



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