

	Scope of Work	Generation
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Title: **Scope of Work for bulk Purchase of Thermocouples and related components**

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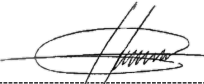
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CONTROLLED DISCLOSURE

1. Introduction

This document outlines the scope of work to be executed at Camden Power Station for the procurement of thermocouples and related spares. Thermocouples are used throughout the plant to monitor process temperatures. Some of these thermocouples are installed in critical areas of the plant, such as for monitoring and controlling final steam temperature to protect the turbine, as well as monitoring motor and fan bearing temperatures for equipment protection, etc. The unavailability of these critical thermocouples may result in a unit being booked for UCLF due to the inability to adequately monitor and protect plant equipment.

2. Supporting Clauses

2.1 Scope

2.1.1 Purpose

The scope of work stipulates the requirements for the bulk purchase of thermocouples and related components for the plant areas maintained by the C&I department at Camden Power Station.

2.1.2 Applicability

This document shall apply to Camden Power Station.

2.1.3 Effective date

This document is effective from the date of the last signature.

2.2 Normative/Informative References

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

2.2.1 Normative

- [1] ISO 9001 Quality Management Systems.
- [2] 32-681 Eskom Safety Regulations

2.2.2 Informative

- [3] Eskom's Safety, Health, Environment and Quality (SHEQ) Policy (32-727) Rev 8
- [4] Eskom Code of Ethics 32-527 & Ethics Procedure 32-757
- [5] Declaration of interests; Conflict of Interest Policy 32-173

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2.3 Definitions

Definition	Explanation
Specification	The document/s forming part of the contract that describe the methods of executing the various items of work to be done, the nature and quality of the materials to be supplied, and the technical schedules and drawings attached thereto, as well as all samples and patterns.

2.4 Abbreviations

Abbreviation	Explanation
AC	Alternating Current
C&I	Control and Instrumentation
COC	Certificate of Compliance
COO	Certificate of Origin
DC	Direct Current
PVC	Polyvinyl Chloride
SS	Stainless Steel
V	Volts

2.5 Roles and Responsibilities

Supplier Responsibility.

- The supplier will be responsible for transporting the spares and consumables.
- Turnaround time for spares, consumables, and delivery.
- Complying with Eskom Safety Requirements and lifesaving rules.
- Provide reasonable evidence of required compliance with relevant standards.

Quality Department:

- Responsible for ensuring that all stipulated quality documentation and processes are adhered to in conformance with the requirements stipulated in this scope of work and the QM58 standard. Quality department shall also ensure that quality checks are done on the spares that are delivered.

End-User Responsibility (Camden C&I Engineering and maintenance):

- Upholding the procurement principles of fairness, equitability, transparency, competitiveness, and cost-efficiency within the approved legal Procurement Framework.
- Technical Evaluation.
- Compliance with the Public Finance Management Act
- The stores Department is responsible for storing the spares on site.

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2.6 Process for Monitoring

The implementation of this document will be monitored by C&I Engineering, Maintenance and QC during the procurement process.

2.7 Related/Supporting Documents

None

3. Supply and Delivery of C&I Spares

3.1 Required Spares

Table 1: Thermocouples and related components

STOCK NUMBER	LONG TEXT DESCRIPTION	QUANTITY PER ITEM EACH
238637	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 4.4 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: STAINLESS STEEL; JUNCTION: SINGLE; HEAD: YES	20
597656	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 5.5 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: SCREW CLAMP; JUNCTION: SINGLE; HEAD: YES; WIRES: 2; NUMBER OF JUNCTIONS: 2; TWO WIRE THROUGH 24V PUK (MODULE); THERMOCOUPLE TO BE SUPPLIED WITHOUT CERAMIC BLOCK ON THE HEAD; THE HEAD MUST BE FREE TO TAKE TRANSMITTER (PUK)	23
237321	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 1.541 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW CLAMP; JUNCTION: SINGLE; 1MM SQUARE WIRE SIZE; WITH BIG HEAD TO TAKE PUG	18
236381	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 16 M; TEMPERATURE RANGE: 0-900 DEG C; SHEATH MATERIAL: STAINLESS STEEL; JUNCTION: SINGLE; ELECTRICAL CONNECTION: LEADS 3 M; 1MM SQUARE WIRE SIZE; WITH WELD PAD 25 X 25 X 3MM AND 3M TAIL TO FLOU COATED	50

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236395	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 3 M; TEMPERATURE RANGE: 0-900 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW; JUNCTION: SINGLE; 1MM SQUARE WIRE SIZE; WITH WELD PAD 25MM X 25MM X 3MM AND 3M TEFLON LEAD COATED; 3MM X 3M X 3M LEAD	50
241315	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 100 MM; TEMPERATURE RANGE: 0- 1100DEG C; SHEATH MATERIAL: STAINLESS STEEL; WITH 10M PVC TAIL	18
236389	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 321 MM; TEMPERATURE RANGE: 0- 900 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW; JUNCTION: SINGLE; HEAD: YES; 1MM SQUARE WIRE SIZE; WITH HEAD TO TAKE TRANSMITTER	19
597656	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 5.5 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: SCREW CLAMP; JUNCTION: SINGLE; HEAD: YES; WIRES: 2; NUMBER OF JUNCTIONS: 2; TWO WIRE THROUGH 24V PUK (MODULE); THERMOCOUPLE TO BE SUPPLIED WITHOUT CERAMIC BLOCK ON THE HEAD; THE HEAD MUST BE FREE TO TAKE TRANSMITTER (PUK)	23
237320	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 1.5 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: 1/4 IN-NPT; JUNCTION: SINGLE; 1MM SQUARE WIRE SIZE; WITH 5M TEFLON TAIL	23
236386	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 2.5 M; TEMPERATURE RANGE: 0-900 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW; JUNCTION: SINGLE; HEAD: YES; 1MM SQUARE WIRE SIZE; WITH HEAD TO TAKE TRANSMITTER	24
252876	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 1 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: STAINLESS STEEL; WIRES:	32

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	2; PROCESS CONNECTION SCREW, WITH WELDING PAD SQ 25 MM X 3 MM THICK, TAIL 3M	
252876	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 1 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: STAINLESS STEEL; WIRES: 2; PROCESS CONNECTION SCREW, WITH WELDING PAD SQ 25 MM X 3 MM THICK, TAIL 3M	32
252876	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 1 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: STAINLESS STEEL; WIRES: 2; PROCESS CONNECTION SCREW, WITH WELDING PAD SQ 25 MM X 3 MM THICK, TAIL 3M	32
238077	THERMOCOUPLE: TYPE: T; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 30 MM; TEMPERATURE RANGE: 0-400 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW CLAMP; JUNCTION: SINGLE; SUPPL P/N: TITDAS030; CABLE LENGTH 3M	19
236394	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 641 MM; TEMPERATURE RANGE: 0- 900 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW; JUNCTION: SINGLE; HEAD: YES; 1MM WIRE SIZE; WITH HEAD TO TAKE TRANSMITTER	13
236383	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 321 MM; TEMPERATURE RANGE: 0- 900 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW; JUNCTION: SINGLE; HEAD: YES; 1MM SQUARE WIRE SIZE; WITH HEAD TO TAKE TRANSMITTER	35
236384	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 190 MM; TEMPERATURE RANGE: 0- 900 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW; JUNCTION: SINGLE; HEAD: YES; 1MM SQUARE WIRE SIZE; WITH HEAD TO TAKE TRANSMITTER	19
155493	THERMOCOUPLE: TYPE: J; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 280 MM; TEMPERATURE RANGE: 0- 1200 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: MALE; JUNCTION: SIMPLEX, UNGROUND; HEAD: YES; ELECTRICAL	25

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	CONNECTION: SCREW; REFERENCE NO: 60J316-1280-1A; MINERAL INSULATED; COMPLETE WITH SMALL AL HEAD; WIRE SIZE 0.5MM	
236385	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 1.541 M; TEMPERATURE RANGE: 0-900 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW; JUNCTION: SINGLE; HEAD: YES; 1MM SQUARE WIRE SIZE; WITH HEAD TO TAKE TRANSMITTER	50
	DETECTOR, RESISTANCE TEMPERATURE: TYPE: SIMPLEX; TEMPERATURE RATING: 0-100 DEG C; SHEATH LENGTH: 70MM; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: THD; SHEATH DIAMETER: 6 MM; NUMBER OF SENSORS: SINGLE; SUPPL P/N: VOORBOOPTI <u>ADDITIONAL INFORMATION</u> <i>MUST BE A SPRING LOADED WITH COMP-GLAND(SS) 1/2NPTm</i>	18
634263	DETECTOR, RESISTANCE TEMPERATURE: TYPE: RTD; TEMPERATURE RATING: 200 DEG C; RESISTANCE: 100 OHM AT 0 DEG C; SHEATH LENGTH: 70 MM; WIRE: 3; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: 1/4 IN; HEAD: YES; SHEATH DIAMETER: 6MM; NUMBER OF SENSORS: SINGLE; SPRING LOADED BAYONET FITTING; BAYONET ADAPTOR MATERIAL: SS 316; IMMERSION LENGTH: 70 MM; PVC CABLE: 2300 MM WITH FLEXIBLE CONDUIT CABLE PROTECTION <u>N.B: INFORMATION</u> <i>MUST BE A SPRING-LOADED BAYONET FITTING; BAYONET LOCKING ADAPTOR MATERIAL: SS 316; IMMERSION LENGTH: 70 MM; PVC CABLE: 2300 MM WITH FLEXIBLE CONDUIT CABLE PROTECTION</i>	11
238190	DETECTOR, RESISTANCE TEMPERATURE: TYPE: SIMPLEX; WIRE: 3; SHEATH MATERIAL: STAINLESS STEEL; HEAD: YES; SHEATH DIAMETER: 6 MM; SUPPL P/N: T1RAB1SS60; TP100 WITH TERM; HEAD CONN PROBE 6	10

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607417	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: -20 TO 600 DEG C; RESISTANCE: 100 OHM; SHEATH LENGTH: 300 MM; WIRE: 3; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW; HEAD: YES; SHEATH DIAMETER: 6 MM	12
236392	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 341 MM; TEMPERATURE RANGE: 0-900 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW; JUNCTION: SINGLE; HEAD: YES; 1MM SQUARE WIRE SIZE; WITH HEAD TO TAKE TRANSMITTER	18
155493	THERMOCOUPLE: TYPE: J; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 280 MM; TEMPERATURE RANGE: 0-1200 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: MALE; JUNCTION: SIMPLEX, UNGROUNDED; HEAD: YES; ELECTRICAL CONNECTION: SCREW; REFERENCE NO: 60J316-1280-1A; MINERAL INSULATED; COMPLETE WITH SMALL AL HEAD; WIRE SIZE 0.5MM	25
236382	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 1.141 M; TEMPERATURE RANGE: 0-900 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW; JUNCTION: SINGLE; HEAD: YES; 1MM SQUARE WIRE SIZE; WITH HEAD TO TAKE TRANSMITTER	25
236388	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 1.641 M; TEMPERATURE RANGE: 0-900 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW; JUNCTION: SINGLE; HEAD: YES; 1MM SQUARE WIRE SIZE; WITH HEAD TO TAKE TRANSMITTER	40
245758	THERMOCOUPLE: SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 280 MM; SHEATH MATERIAL: STAINLESS STEEL; JUNCTION: SINGLE; HEAD: YES; ACCURACY: 0.75 PCT; ELECTRICAL CONNECTION: SCREW; NUMBER OF JUNCTIONS: 1; PROCESS CONNECTION 1MM2	14

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236390	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 416 MM; TEMPERATURE RANGE: 0- 900 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW; JUNCTION: SINGLE; HEAD: YES; 1MM SQUARE WIRE SIZE; WITH HEAD TO TAKE TRANSMITTER	10
236392	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 341 MM; TEMPERATURE RANGE: 0- 900 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW; JUNCTION: SINGLE; HEAD: YES; 1MM SQUARE WIRE SIZE; WITH HEAD TO TAKE TRANSMITTER	20
236396	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 2.1 M; TEMPERATURE RANGE: 0-900 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW; JUNCTION: SINGLE; HEAD: YES; 1MM SQUARE WIRE SIZE; WITH HEAD TO TAKE TRANSMITTER	20
236393	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 541 MM; TEMPERATURE RANGE: 0- 900 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW; JUNCTION: SINGLE; HEAD: YES; 1MM SQUARE WIRE SIZE; WITH HEAD TO TAKE TRANSMITTER	29
243077	HEAD, THERMOCOUPLE: TYPE: K; THERMOCOUPLE OPENING: 6 MM; MATERIAL: STAINLESS STEEL; 6MM X 375MM	24
237097	MODULE: TYPE: PUK; OUTPUT: 4-20 MA; POWER SOURCE: 24 V; APPLICATION: THERMOCOUPLES; SUPPL P/N: T2PR5334A3B; 2 WIRE PROGRAMMABLE	36
671004	TRANSMITTER: TYPE: INPUT/OUTPUT SIGNAL; RANGE: 0-100 DEG C; OUTPUT: 4-20 MA; SUPPLY: 24 V; APPLICATION: RTD/THERMOCOUPLE; MANUF P/N: T2PR-5331A3B1	53
236383	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 321 MM; TEMPERATURE RANGE: 0- 900 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW; JUNCTION: SINGLE;	40

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	HEAD: YES; 1MM SQUARE WIRE SIZE; WITH HEAD TO TAKE TRANSMITTER	
583887	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 3.5 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: SCREW CLAMP; JUNCTION: SINGLE; HEAD: YES; WIRES: 2; NUMBER OF JUNCTIONS: 2; 2WIRE THROUGH 24V PUK (MODULE)	20
236999	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 2.7 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW CLAMP; JUNCTION: SINGLE; HEAD: YES; SUPPLY THERMOCOUPLE WITHOUT, CERAMIC BLOCK ON THE HEAD, THERMOCOUPLE MUST BE FREE TO TAKE TRANSMITTER PUK	18
237317	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 20 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: 1/4 IN- NPT; JUNCTION: SINGLE; 1MM SQUARE WIRE SIZE; WITH 10M SS BRAIDED TAIL	13
250011	THERMOCOUPLE: TYPE: T; SHEATH DIAMETER: 3 MM; TEMPERATURE RANGE: 0-300 DEG C; SHEATH MATERIAL: STAINLESS STEEL; HEAD: YES; WIRES: 2; ELECTRICAL CONNECTION: SCREW; NUMBER OF JUNCTIONS: 2; SUPPL P/N: TITEATSS30; HEIGHT 5MM X DIA 3MM ON HOT JUNCTION; HEIGHT 5MM X DIA 5MM ON COLD JUNCTION; WITH 5M TEFLON TAIL	20
227215	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 950 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; SUPPL P/N: T1TEBKSS30; MUST BE CHECKED AT RECEIVING BEFORE BEING PLACED ON SHELF; WITH POTTED SEAL; WIRE SIZE 1MM; PVC FLY LEADS 5	15
254628	THERMOCOUPLE: TYPE: J; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 450 MM; TEMPERATURE RANGE: -210 TO 200 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW; JUNCTION: SINGLE; HEAD: NO; WIRES: 2; NUMBER OF JUNCTIONS: 1;	29

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	MANUF P/N: D56122; REFERENCE NO: 06249979-4; WITH 3M TAIL	
563689	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 2 MM; DESIGN LENGTH: 35 MM; TEMPERATURE RANGE: 0-900 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: MALE; JUNCTION: SINGLE; HEAD: NO; WIRES: 2; NUMBER OF JUNCTIONS: 1; MANUF P/N: W18450; APPLICATION: FRONT PEDESTAL; ON THE INBOARD AND OUTBOARD THRUST PAD BEARING ON THE TURBINE	9
624936	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 2.2 M; TEMPERATURE RANGE: 0-900 DEG C; SHEATH MATERIAL: STAINLESS STEEL; PROCESS CONNECTION: SCREW SQUARE WIRE 1MM; JUNCTION: 1; HEAD: YES; WIRES: 2; NUMBER OF JUNCTIONS: 1	9
599817	TRANSDUCER: TYPE: MEASURING; INPUT: 1 MA; OUTPUT: 23 MA; POWER SOURCE: 24 VDC; MANUF P/N: MCR-SL-PT100 UI-NC-2864273; MCR TEMPERATURE TRANSDUCER FOR PT100 TEMPERATURE SENSORS	47

3.2 Procurement and Supply of C&I Spares

This scope of work contains basic technical specifications to be adhered to during the procurement and supply of C&I Spares, specifies the documentation that must be supplied, and lists the requirements included in the scope of work

Spares sourced from unapproved OEMs may lead to equipment failures, which can compromise plant reliability and quality, and may result in severe consequences for the plant.

3.3 Specifications

As per section 3.1, for specifications of different spares. All types of thermocouples assembly shall have wire colour coding strictly according to German standard.

4. Documentation

4.1 Certificate of Compliance

All components in this scope are to be supplied with a Certificate of Compliance (COC) from the manufacturer with reference to each specific batch.

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4.2 Certificate of Origin

All components in this scope are to be supplied with a Certificate of Origin (COO) from the manufacturer with reference to each specific batch.

4.3 OEM Certificates and Documentation

A warranty certificate is to be delivered with the materials from the OEM.

Suppliers are required to submit material data sheets along with corresponding drawings for each item specified in the Scope of work, together with the confirmation of supply from the OEM.

5. Manufacturing and supply of spares

The requirements for the manufacturing and supply of spares to be executed by the prospective contractor are stated below and must be allowed for in the offer.

- Original Equipment Manufacturers (OEMs) shall provide verifiable proof of OEM status. Acceptable evidence may include, but is not limited to, an OEM declaration letter on official company letterhead, manufacturer certification, trademark or brand ownership documentation, or any other formal documentation confirming that the supplier is the original manufacturer of the equipment or spares.
- Non-OEM suppliers shall provide a valid service or supply agreement letter signed by authorised and contactable representatives of both the supplier and the OEM. The agreement shall clearly state that the OEM supports and authorises the prospective supplier to supply and deliver the required spares. The agreement shall be accompanied by verifiable proof of OEM status, including but not limited to an OEM declaration letter, manufacturer certification, trademark or brand ownership documentation, or any other formal documentation confirming that the OEM is the original manufacturer of the equipment or spares.
- Thermocouples shall comply fully with IEC 60584. The supplier shall provide documented proof of compliance per unit or batch, including certificate of conformity and traceability to the Original Equipment Manufacturer (OEM) or accredited calibration laboratory.
- The Supplier shall provide a signed letter confirming that they have reviewed and understood the list of required spares in Section 3.1 and that they have the capability to supply all listed spares within two (2) months from the date of purchase order issuance. Failure to supply any of the required spares within the stipulated two (2) months period shall constitute a breach of contract.

6. General Requirements

The general requirements are as follows:

- C&I Materials are fragile and require the relevant mode of transportation to avoid damage during transportation. The supplier shall ensure that there is an appropriate delivery vehicle to adequately deliver the material to Camden Power Station, and proof shall be provided to the employer.
- The Supplier shall demonstrate prior experience in supplying Eskom or similar industries with Control and Instrumentation spares similar to those listed in Section 3.1. Verifiable documentary evidence of previous supply shall be submitted as proof.
- The Supplier shall ensure that a quality inspection is conducted by the employer prior to delivery of the spares to Camden Power Station. The purpose of this inspection shall be to

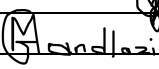
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verify that all supplied spares conform to the specified standards, technical requirements, and quality expectations.

- The Contractor shall be fully liable for any loss or damage incurred during transportation of the materials to Camden Power Station and shall replace damaged or lost items at no additional cost.

7. Acceptance

This document has been seen and accepted by:

Full Name and Surname	Designation	Signature
Ntokozo Sibiya	Senior C&I Engineer	
Thabisile Mampa	C&I Maintenance Technician	
Grace Mandlazi	Senior Advisor Technical Support	

8. Revisions

Date	Rev.	Compiler	Remarks
June 2025	1.0	NP Sibanyoni	Original Document
May 2026	2	Mlu Nkosi	Revision for a bulk purchase

9. Development Team

The following people were involved in the development of this document:

- Mlungisi Nkosi
- Thabisile Mampa

10. Acknowledgements

None

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