

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Project Name: Supply and Delivery of Aux Automation Control Spares

Project Address: *Kusile Power Station, R545 Kendal/Balmoral Road, Haartebeesfontein Farm, Witbank 1035*

Scope of the project: Supply and Delivery of Aux Automation Control Spares

Eskom Contract's Manager

Eskom's Health and Safety Manager

Name:

Name:

Signature:

Signature:

Date:

Date:

Eskom's Procurement Manager

Eskom's Safety Officer

Name:

Name:

Signature:

Signature:

Date:

Date:

Eskom's Quality Manager

Eskom's Environmental Manager

Name:

Name:

Signature

Signature:

Date:

Date:

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

CONTENTS

<u>1. INTRODUCTION</u>	.....
<u>2. SUPPORTING CLAUSES</u>	.....
2.1 SCOPE	.....
2.2 NORMATIVE/INFORMATIVE REFERENCES	.....
2.3 ABBREVIATIONS	.....
2.4 RELATED/SUPPORTING DOCUMENTS	.....
<u>3. DOCUMENT CONTENT</u>	.....
3.1 SCOPE OF WORK	.....
3.2 LEGAL COMPLIANCE	.....
3.3 APPOINTMENTS	.....
3.5 RISK ASSESSMENTS	.....
3.6 INCIDENT INVESTIGATION	.....
3.7 EMERGENCY MANAGEMENT	.....
<u>4. AUTHORIZATION</u>	.....
<u>5. REVISIONS</u>	.....

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

1. INTRODUCTION

Eskom Kusile Power Station's responsibility and commitment is to ensure a safe working environment is in line with its Safety, Health, Environmental and Quality Policy, along with legislative obligations.

This SHE specification is Eskom Kusile Power Station's minimum requirements which are required to be met for the specific contract and for the duration of the contract period by contractors and where required, the delivery organisation.

Eskom in no way assumes the contractor's legal responsibilities. The contractor is and remains accountable for the quality and the execution of his/her health and safety programme for his/her employees and appointed contractor employees.

This SHE specification reflects minimum requirements and should not be construed as all encompassing.

Note 1: All the requirements listed hereunder are in relation to the contract and do not supersede or replace any organizational SHE requirements.

Note 2: In terms of Eskom requirements, a section of this professional contract falls within the requirements of the Construction Regulations.

Although there are requirements listed in this specification that do not pertain directly to air charter, the requirements are expect of an air charter contractor business to conform to. These requirements are in line with Eskom's Zero Harm value.

Where requirements listed are already in place, then the organisational requirements must be taken cognisance of and listed in the respective SHE plans. If there are any additional Eskom and or legislative requirements listed in the SHE specification, then these must be addressed.

2. SUPPORTING CLAUSES

2.1 SCOPE

This SHE specification lists the legislative and Eskom requirements and where applicable, any requirements pertaining to Local Authorities / Municipal by-laws / Environmental legislation that must be met by the contractor.

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

2.1.1 Purpose

To indicate OHS requirements applicable to the supply and delivery of spares to Kusile Power Station

2.1.2 Applicability

This SHE specification is applicable to all suppliers to supply and deliver goods to Kusile Power Station

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] Basic Conditions of Employment Act No 75 of 1997.
- [2] Occupational Health and Safety Act and Regulations No 85 of 1993.
- [3] National Environmental Management Act 107 of 1998.
- [4] National Road Traffic Act 93 of 1996.
- [5] 32-37 Eskom Substance Abuse Procedure.
- [6] Civil Aviation Act 13 of 2009.
- [7] Air Services Licence Act 115 of 1990.

2.2.2 Informative

- [8] 32-726 Contracts and Contractor OHS Management Standard
- [9] 240-62196227 Eskom Life Saving Rules
- [10] Tobacco Products Control Act 83 of 1993 (Updated 2011.05.19)
- [11] SANS 1186 Symbolic Safety Signs
- [12] Constitution of the Republic of South Africa No 108 of 1996
- [13] 32-95 Eskom Procedure Manual for Performing Occupational Health & Safety Management: Conducting EH&S Incident Management,

Definitions

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Definition	Explanation
Appointed contractor	Means a contractor appointed by the principal contractor
Baseline risk assessment	(32-520) baseline operational risks refer to the health and safety risks associated with all standard processes and routine activities in the business
Client	Eskom representative (Internal – Asset Owner), also referred to as the contract administrator/custodian or agent or project manager (as defined in the contract). He/she is the person responsible for ensuring that the works or services are executed in terms of the contract, as well as adherence to legislation pertaining to the contract.
Competent person	(OHS Act) means any person having the knowledge, training, experience, and qualifications, specific to the work or task being performed, provided that, where appropriate, qualifications and training are registered in terms of the South African Qualifications Authority Act, 1995 (Act No. 58 of 1995)
Contractor – includes appointed contractor	means an employer as defined in section 1 of the Act who performs contract work and includes principal contractors
Consultant	means a person providing professional advice
Duty of care to the environment	(32-136) anybody who causes or has caused or may cause significant pollution or degradation of the environment must take reasonable measures to prevent such pollution or degradation from occurring, continuing, or recurring. If such harm to the environment is authorised by law or cannot reasonably be avoided or stopped, such person must minimise and rectify such pollution or degradation of the environment
Employee	(OHS Act) means, subject to the provisions of subsection (2), any person who is employed by or works for an employer and who receives or is entitled to receive any remuneration or who works under the direction or supervision of an employer or any other person
Employer	(OHS Act) means, subject to the provisions of subsection (2), any person who employs or provides work for any person and remunerates that person or expressly or tacitly undertakes to remunerate him/her, but excludes a TES (ex labour broker) as defined in section 1(1) of the Labour Relations Act 1956 (Act No. 28 of 1956)
Eskom requirements	a) Eskom requirements flowing from directives, policies, standards, procedures, specifications, work instructions, guidelines, or manuals
Hazard	(OHS Act) means a source of, or exposure to, danger
Hazard identification	(OHS Act) means the identification and documenting of existing or expected hazards to the health and safety of persons, which are normally associated with the type of construction work being executed or to be executed
Health and safety file	(OHS Act) means a file or other record, containing the information in writing required by the construction regulations.
Health and safety plan	(OHS Act) means a site, activity or project specific document plan in accordance with the client's health and safety specifications.
Health and safety specification	(OHS Act) means a site, activity or project specific document prepared by the client pertaining to all health and safety requirements related to construction work.

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Health and safety requirements	means comprehensive health and safety requirements for a contract, project, site, and scope of work. This specification is intended to ensure the health and safety of persons, both workers and the public, and the duty of care to the environment. The health and safety requirements must be specific to each contract, project, site, and scope of work
Medical certificate of fitness	(OHS Act) means a certificate specific to the work to be performed and issued by an occupational health practitioner in the form of Annexure 3 of the construction regulations.
Medical surveillance	(OHS Act) means a planned programme or periodic examination (which may include clinical examinations, biological monitoring, or medical tests) of employees by an occupational health practitioner or, in prescribed cases, by an occupational medicine practitioner
Method statement	(OHS Act) means a written document detailing the key activities to be performed in order to reduce, as reasonably as practicable, the hazards identified in any risk assessment
Organisation	may be defined as a group of individuals (large or small) that is cooperating under the direction of executive leadership in accomplishment of certain common objects
Pre-job meetings	(34-227) means a meeting that is held prior to the commencement of the day's work and that is attended by all the relevant employees associated with the work task
Principal contractor	(In the text of this document) Means an employer, as defined in section 1 of the OHS Act, who intends to tender for or has signed a contract with Eskom for services rendered.
Provincial director	(OHS Act) means the provincial director as defined in Regulation 1 of the General Administrative Regulations under the Act
Responsible Manager	Is a Manager of a department, section or operating/business unit who has been appointed as part of the Eskom delegation of authority process with the aim to assist the applicable 16(2) assigned person in executing his/her duties in terms of the Occupational Health and Safety Act
Risk assessment	(OHS Act) means a programme to determine any risk associated with any hazard at a construction site in order to identify the steps needed to be taken to remove, reduce, or control such hazard.
Site	(34-228) means an Eskom department, unit, complex, building, specific project, work site, or the site where agents, clients, principal contractors, contractors, suppliers, vendors, and service providers provide a service to Eskom, directly or indirectly
Service provider	any private person or legal entity that provides any service(s) to Eskom for compensation
Task	(34-227) a segment of work that requires a set of specific and distinct actions for its completion
Toolbox talks	(34-227) where the team leader, after conducting pre-task planning, shares all the tasks at hand and discusses task allocation, the identified risks, and the control measures with all his/her team members on site before commencing a specific task and documenting the agreed strategy. (This shall be done to ensure common understanding of the tasks, risks, and control measures required.)

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

The Act	(OHS Act) means the Occupational Health and Safety Act No. 85 of 1993, as amended, and the Regulations thereto
Visitor	any person visiting a workplace with the knowledge of, or under the supervision of, an employer.

2.3 Abbreviations

Abbreviation	Description
BU	Business Unit
CE	Chief Executive
COID Act	Compensation for Occupational Injuries and Diseases Act
CR	Construction Regulations
DMR	Driven Machinery Regulations
DoL	Department of Labour (Inspection and Enforcement services – Provincial office)
EP	Emergency Preparedness
EAP	Employee Assistance Program
ERfW	Environmental Regulations for Workplaces
GAR	General Administrative Regulations
GSR	General Safety Regulations
HCS	Hazardous Chemical Substances
LDV	Light Delivery Vehicle
MSDS	Material Safety Data Sheets
NEMA	National Environmental Management Act
OHS Act	Occupational Health and Safety Act and Regulations, 85 of 1993
SABS	South African Bureau Standard
SANS	South African National Standard

2.5 Related/Supporting Documents

Eskom OHS Act section 37 (2) agreement (to be completed by the contract responsible manager).

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

3. Specification

3.1 Scope of work

A copy of the scope of works must be retained by the contractor.

Note: The contractor who will be awarded this contract will be known as the “principal contractor” and any contractor appointed by the principal contractor will be known as the “appointed contractor”.

Material No.	DETAILED SPARE DESCRIPTION & SPECIFICATION
0645177	TRANSDUCER:24765-01-01;EXPANSION SENSOR
0645180	SENSOR:330500-02-00;VELOCITY
0502227	SITOP SELECT 4-CHANNEL DIAGNOSIS MODULE DC 24V
0621806	RELAY MODULE FOR ACTIVATION OF BURNER CONTROL
0621904	PROFIBUS MODULE
0502228	SIPLUS ET200S EM 4DI HF -25...+70 DEG
0502216	SIPLUS ET200S EM 4DO DC24V/2A -25 ... +60 DEG
0502232	SIPLUS ET200S EM 2RO DC24V-AC230V/5A -25 ... +70 DEG
0502220	SIPLUS ET200S EM 2AI STANDARD I -25 ... +60 DEG
0502237	SIPLUS ET200S EM 2AI I-4DMU -25 ... +60 DEG
0502221	PM-E, DC 24V SIMATIC DP, ET 200S SIPLUS POWERMODULE
0502217	SIPLUS ET200S F-DI 24V PROFISAF -25 ... +60 DEG
0571238	SIPLUS ET200S 4 F-DO PROFISAFE -25...+60 DEG
0620683	SIPLUS INTERFACE MODULE IM 151-1 HF SIMATIC DP, ET 200S
0502218	SIPLUS ET200S TM-P15S23-A0 -40 ... +70 DEGREES C
0620682	POWER SUPPLY SITOP POWER 24V/20A
0589589	SIMATIC S7-300 FRONT CONNECTOR 40-POLE WITH SCREWED CONTACTS

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Material No.	DETAILED SPARE DESCRIPTION & SPECIFICATION
0620681	SIMATIC DP,BUS CONNECTOR FOR PROFIBUS UP TO 12 MBIT/S 90 DEG
0620676	SIMATIC DP, 5 ELEC MODULES FOR ET 200S, 4 DI HIGH FEATURE 24V DC
0620699	SIMATIC DP, 5 ELEC MODULES FOR ET 200S, 4 DO STANDARD DC 24V/2A,
0620698	SIMATIC DP, 5 ELEC MODULES FOR ET 200S, 2 DO RELAY 24V DC - 230V
0249945	SIMATIC DP, ELEC MODULE FOR ET 200S, 2 AI STAND. I-2DMU 15 MM
0620677	SIMATIC DP, ELEC MODULE FOR ET 200S, 2 AI STAND. I-4DMU 15 MM
0620678	SIMATIC DP, ELECTRONIC MODULE 2 AO I HIGH FEATURE FOR ET200S
0620679	PM-E, DC 24V SIMATIC DP, ET 200S POWERMODULE
0620673	SIMATIC DP, ELECTRON. MODULE F. ET200S, 4 F-DO PROFISAFE
0502230	IM 151-1 HF SIMATIC DP, ET 200S INTERFACEMODULE
0502222	TM-E15S26-A1 SIMATIC DP, ET 200S TERMINALMODULE
0502234	SIMATIC DP, TERMINAL MODULE TM-P15S23-A0 FOR ET 200S
0502219	TM-E30S46-A1 SIMATIC DP, ET 200S TERMINALMODULE
0620674	CPU 315-2 PN/DP SIMATIC S7-300 CENTRAL UNIT
0502231	CPU 315F-2 PN/DP SIMATIC S7-300 CENTRAL UNIT
0634902	SIMATIC S7-300 COMMUNICATION UNIT CP342-4
0620684	GSM MODEM
0621946	ISOLATION AMPLIFIER AI/AO=0/4-20MA US=20-253V AC/DC

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Material No.	DETAILED SPARE DESCRIPTION & SPECIFICATION
0621442	ETAMATIC FUEL-/AIR-CONTROLLER
0621514	NETWORK SWITCH ETHERNET-SWITCH, 8 TP-RJ45-PORTS,
0568023	MODULE:MODULE BUS;9-30 VDC;CONVERTER
0571237	MODULE:6GK7443-31EX20-0XE0;COMMUNICATION
0571238	MODULE:6AG1138-4FB02-2AB0;DIGITAL OUTPUT
0571241	MODULE:6ES7407-0KR020-AA0;POWER SUPPLY
0571242	MODULE:6ES7414-4HM14-0AB0;CENTRAL UNIT
0571262	MODULE:C1002670;TRANGENT DATA INTERFACE
0571286	MODULE:QUINT-PS-100-240AC/24DC/39
0571288	MODULE:CPC1-3840/C10/M512;CPU
0574032	MODULE:E-ME/AC-01F/1;ANALOGUE;24 VDC
0574403	MODULE PWR SUP:IC695PSD040;INTERNAL
0574411	MODULE:MMS 635OD;SPEED MONITORING
0574412	MODULE COMM:E52C0407200;ETHERNET;DCS
0574876	MODULE:TC809C1004;ANALOG INPUT
0574877	MODULE:TC809A1059;INTELLIGENT MONITOR
0574878	MODULE:TC811A1006;FAULT ISOLATOR
0574879	MODULE COMM:HS-NCM-SF;HSN COMMUNICATOR
0574880	MODULE:LCM320;LOOP CONTROL
0575274	MODULE:3UF7010-1AU00-0;MOTOR MANAGMENT
0575275	MODULE COMM:3UF7103-1BA00-0;CURRENT

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Material No.	DETAILED SPARE DESCRIPTION & SPECIFICATION
0576739	MODULE COMM:750-627;BUS EXTENSION
0576741	MODULE COMM:750-431;8 CHANNEL
0576742	MODULE COMM:750-554;2 CHANNEL;O/P ANALOG
0614752	MODULE:REMOTE RELAY
0615012	MODULE:6GK5101-1BB00-2AA3;PLC I/O
0615066	MODULE:INTERFACE;I/P 24 VDC;O/P 5 VDC
0621825	VICKERS - EEA-PAM-581-D-32 MODULE
0621937	OVERPRESSURISATION PROTECTION MODULE
0574411	OVERSPEED PROTECTION MODULE
0621986	POWER SUPPLY
0220818	TRANSIENT DATA INTERFACE
0220829	KEYPHASOR
0220826	VIBRATION AXIAL DISPLACEMENT
0220827	PROXIMITOR I/O
0502790	3 RELAYS OUTPUTS
0220832	MODBUS OUTPUT
0220634	SIMATIC S7-300 COMMUNICATION UNIT CP342-4
0621823	DISTRIBUTION MODULE BINARY SIGNALS
0693380	LTO-6 DATA CARTRIDGE; STORAGE CAPACITY: 2.5 TB
0693383	LTO TAPE CLEANING CARTRIDGE
0613769	SIMATIC S7-300, DIGITAL INPUT SM 321

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Material No.	DETAILED SPARE DESCRIPTION & SPECIFICATION
0613770	SIMATIC S7-300, DIGITAL OUTPUT SM 322
0571241	SIMATIC S7-400, POWER SUPPLY PS407; 10A,
0571242	SIMATIC S7-400H, CPU 414H CENTRAL UNIT
0238779	COMMUNICATIONS PROCESSOR CP443-5 EXTENDED F
0632918	COMMUNICATIONS PROCESSOR CP443-1
0615012	SCALANCE X101-1, IE MEDIA CONV UNMANAGED 1 X 10/100MBIT/S
0252829	SIMATIC DP, RS485 RESISTOR FOR TERMINATING
0622001	RESISTANCE THERMOMETER TN2530 4-20MA IFM
0621369	5SJ4220-7CC20, SIEMENS, 5SJ SERIES
0239643	SIMATIC S7-300, DIGITAL OUTPUT SM 322
0621982	SITOP MODULAR 20 STABILIZED
0621377	5SJ4101-7CC20, SIEMENS, 5SJ SERIES
0621293	5SJ4106-7CC20, SIEMENS, 5SJ SERIES
0207823	SIMATIC S7-300, ANALOG OUTPUT SM 332,
0615066	SIMATIC DP, ET 200M INTERFACE IM 153-2
0621294	5SJ4102-7CC20, SIEMENS, 5SJ SERIES, TYPE 5SJ41, 1P, 1PH, 2A,
0221354	SIMATIC S7-300 STABILIZED POWER SUPPLY PS307 INPUT: 120/230 V AC
0256390	SIMATIC S7-300 STABILIZED POWER SUPPLY PS307
0620680	SIMATIC NET, CP 343-1 LEAN COMMUNICATION PROCESSOR
0620675	LOCAL PANEL MONITOR SCREEN FOR SIEMENS S7 (PLC)
0220637	SIMATIC S7-300, ANALOG INPUT SM 331, FLOATING, 8AI

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Material No.	DETAILED SPARE DESCRIPTION & SPECIFICATION
0620992	KUS-A-0S-F001_43 CIS066 DELL_P2414H_MONITOR
0621993	MODULE COMM:KVM;I/P 100-240VAC 50/60HZ
0622165	COMPUTER SRVR:INTEL C610 SERIES CHIPSET
0646324	MONITOR: TYPE: LCD; PART NO: DAV2116-G01
0622164	COMPUTER SRVR:INTEL C612 SERIES CHIPSET
0623954	(KUS-A-XD-F002_1 CIS078 SYM-PHONY MELODY
0622163	COMPUTER SRVR:INTEL C612 SERIES CHIPSET
0692849	VIBRATION PROBE CABLE: 84661-49;SHIELDED 22 AWG;0.6438 MM
0692852	VIBRATION PROBE CABLE: 84661-66;SHIELDED 22 AWG;0.6438 MM
0692853	VIBRATION PROBE CABLE: 84661-82;SHIELDED 22 AWG;0.6438 MM
0692856	VIBRATION PROBE CABLE: 84661-15;SHIELDED 22 AWG;0.6438 MM
0692758	SENSOR VIBRATION: 330500-01-00 VELOMITOR
0693382	SSC LEVEL CONTROL INSTRUMENTS; - MINI-PS-100-240AC/24DC/C2LPS
0699977	MEMORY CARD (PRELOADED WITH SOFTWARE)
0252639	S7 PLC CPU
0699978	SIEMENS DISLAY UNIT TP700 WITH PRELOADED SOFTWARE
0699976	AMPLIFIER USED IN STEAM SOOTBLOWING
0706860	MODULE: TYPE: SPECIAL I/O HDD11; INPUT: 24-30 V
0706861	MODULE: TYPE: SPECIAL I/O HDD12; INPUT: 24-30 V;
0706808	MODULE: TYPE: SPECIAL I/O HDD43; INPUT: 24-30 V
0706862	MODULE: TYPE: SPECIAL I/O HDD14; INPUT: 24-30 V

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Material No.	DETAILED SPARE DESCRIPTION & SPECIFICATION
0706863	MODULE: TYPE: SPECIAL I/O HDD15; INPUT: 24-30 V
0706864	MODULE: TYPE: SPECIAL I/O HDD16; INPUT: 24-30 V
0706810	MODULE: TYPE: SPECIAL I/O HDD31; INPUT: 24-30 V
0706811	MODULE: TYPE: SPECIAL I/O HDD32; INPUT: 24-30 V
0706812	MODULE: TYPE: SPECIAL I/O HDD33; INPUT: 24-30 V
0706813	MODULE: TYPE: SPECIAL I/O HDD34; INPUT: 24-30 V;
0706814	MODULE: TYPE: SPECIAL I/O HDD35; INPUT: 24-30 V
0706815	MODULE: TYPE: SPECIAL I/O HDD36; INPUT: 24-30 V
0706816	MODULE: TYPE: SPECIAL I/O HDD37; INPUT: 24-30 V
0706823	MODULE: TYPE: SPECIAL I/O HDD21; INPUT: 24-30 V
0706824	MODULE: TYPE: SPECIAL I/O HDD22; INPUT: 24-30 V
0706825	MODULE: TYPE: SPECIAL I/O HDD23; INPUT: 24-30 V
0706826	MODULE: TYPE: SPECIAL I/O HDD24; INPUT: 24-30 V
0706827	MODULE: TYPE: SPECIAL I/O HDD25; INPUT: 24-30 V
0706828	MODULE: TYPE: SPECIAL I/O HDD26; INPUT: 24-30 V
0706829	MODULE: TYPE: SPECIAL I/O HDD27; INPUT: 24-30 V;
0706817	MODULE: TYPE: SPECIAL I/O HDD41; INPUT: 24-30 V
0706818	MODULE: TYPE: SPECIAL I/O HDD42; INPUT: 24-30 V
0706809	MODULE: TYPE: SPECIAL I/O HDD13; INPUT: 24-30 V
0706819	MODULE: TYPE: SPECIAL I/O HDD44; INPUT: 24-30 V
0706820	MODULE: TYPE: SPECIAL I/O HDD45; INPUT: 24-30 V

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Material No.	DETAILED SPARE DESCRIPTION & SPECIFICATION
0706821	MODULE: TYPE: SPECIAL I/O HDD46; INPUT: 24-30 V
0706822	MODULE: TYPE: SPECIAL I/O HDD47; INPUT: 24-30 V
0502236	SIMATIC TP 277 6" TOUCH PANEL 5,7"
0638851	ANTENNA GSM MODEM
0622162	MOUNTING BRACKET FOR MULTIWAY COCK
0621510	ACC. KIT FOR MULTIWAY COCK, ST. ST.
0622161	MULTIWAY COCK 12MM, ST. ST.
0623957	REFER TO OEM DATASHEET (PDC06ENGSL-750.PDF) FOR DESIGN CHARACTERISTICS
0574866	FIRE ALARM CONTROL PANEL XLS-139
0574867	FIRE ALARM CONTROL PANEL (CENTRAL PROCESSING UNIT WITH DISPLAY) XLS3000-CPUD
0605851	ADDRESSABLE MANUAL CALL POINT: INDOOR TYPE
0636434	INTRINSICALLY SAFE MANUAL CALL POINT
0574872	INTELLIGENT PLUG-IN PHOTOELECTRIC SMOKE DETECTORS WITH FLASHSCAN
0627331	XNX UNIVERSAL TRANSMITTER WITH CO SENSOR
0624500	CHIME-STROBE
0624498	24VDC SOUNDER / STROBE FOR HAZARDOUS AREA
0627388	BATTERY 12V 40AH
0627389	BATTERY 12V 7AH
0690409	LENS USED TO ALIGN COAL FLAME SCANNERS

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Material No.	DETAILED SPARE DESCRIPTION & SPECIFICATION
0690391	FLAME SCANNER CABLE: 10 METRE : IR FLAME SCANNER, UV FLAME SCANNER
0691796	24V DC 2CO (SPDT) INTERFACE RELAY MODULE
0693381	IGNITOR CABLE FOR BURNERS
0621509	PRESSURE TRANSMITTER INTEGRATED LCD DISPLAY
0621974	SWITCH
0621826	SWITCH
0621828	SWITCH
0621357	SWITCH
0621296	SWITCH
0621985	24VDC/24VDC 10A QUINT-PS POWER SUPPLY
0621983	MODULE, POWER SUPPLY: TYPE: SINGLE PHASE; INPUT: 100-240 VDC
0621912	X20 SYSTEM PS3300 24V/24V SUPPLY MODULE
0621295	INDUSTRIAL SECURITY ROUTER EAGLEONE TXTX
0621379	RELAYING 24VDC INTERFACE
0250253	MFC3000 - 24VDC SUPPLY 250 WATTS WITH FRONT RACK CONNECTION
0621951	MFC3000-PMC CARRIER
0690291	SIMATIC S7-300, ET 200M
0690705	RFID TAG READER IPT1-FP
0692522	GPS SMART ANTENNA; POWER SOURCE: 7-32 VDC

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Material No.	DETAILED SPARE DESCRIPTION & SPECIFICATION
0659731	PROFIBUS FRONT CONNECTOR NORMAL; INPUT: 4-20 MA; SOURCE: 24 VDC;
0694965	TOUCH PANEL TP 177MICRO FOR SIMATIC S7-200 5.7"
0699974	SOFTWARE: TRADE NAME: FIELD CARE SFE500
0645181	PROXIMITY PROBE
0645184	PROXIMITY PROBE
0645182	PROXIMITY PROBE
0231860	EXPANSION SENSOR
0218263	PROXIMITY PROBE
0645177	EXPANSION SENSOR
0645176	PROXIMITY PROBE
0645180	VELOCITY SENSOR
0233369	VELOCITY SENSOR
0232771	PROXIMITY PROBE
0233369	VELOCITY SENSOR
0645180	VELOCITY SENSOR
0220818	MODULE:3500/22-01-01-00;RACK INTERFACE
0220829	MODULE:3500/25-02-01-00;KEYPHASOR;24 VDC
0220826	MODULE:3500/42-09-00;O/P 4-20 MA;24 VDC
0220827	MODULE:3500/45-01-00;POSITION MONITOR
0241975	POWER SUPPLY:3500/15-02-02-00;24 VDC
0621986	MODULE PWR SUP:3500/15;SINGLE PHASE

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Material No.	DETAILED SPARE DESCRIPTION & SPECIFICATION
0218260	SENSOR:330180-51-00;PROXIMITOR;0-25 MM
0257319	SENSOR VBRTN:PR6423/000-130 + CON011
0502236	SIMATIC TP 277 6" TOUCH PANEL 5,7"
0620681	SIMATIC DP,BUS CONNECTOR FOR PROFIBUS UP TO 12 MBIT/S 90 DEG
0625022	PB FC RS 485 PLUG 180, PB-PLUG WITH FASTCONNECT CONNECTOR AND AXIAL CABLE-
0245586	PROFIBUS OLM/G12 V4.0 OPTICAL LINK MODULE 1 RS485 AND 2 GLASS-LWL
0634902	SIMATIC S7-300 COMMUNICATION UNIT CP342-5
0638851	ANTENNA GSM MODEM
0613769	SIMATIC S7-300, DIGITAL INPUT SM 321, OPTICALLY ISOLATED 32DI, 24 V DC, 1 X 40 PIN
0632918	COMM PROCESSOR CP443-1 FOR CONNECTING SIMATIC S7-400 TO INDUST.
0622001	RESISTANCE THEMOMETER TN2530 4-20MA IFM
0621369	5SJ4220-7CC20, SIEMENS, 5SJ SERIES, TYPE 5SJ42, 2P, 1PH, 20A, 400V AC, 10KA@400V
0621982	SITOP MODULAR 20 STABILIZED POWER SUPPLY INPUT: 120/230 V AC OUTPUT: 24 V DC/20A
0621377	5SJ4101-7CC20, SIEMENS, 5SJ SERIES, TYPE 5SJ41, 1P, 1PH, 1A, 230/400V AC, 10KA@230V
0621294	5SJ4102-7CC20, SIEMENS, 5SJ SERIES, TYPE 5SJ41, 1P, 1PH, 2A, 230/400V AC, 10KA@230V
0559740	12 DIGITAL INPUTS MODULE DI9371 X20 SYSTEM

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Material No.	DETAILED SPARE DESCRIPTION & SPECIFICATION
0250213	SW 24V 6TX/2FX SCMM//RING100MB
0621942	16 INPUTS HIGH LEVEL MODULE 0/20 MA OR 4/20 MA WITH COMMON POINT
0571326	SWITCH 24V 8TX/2FX SC MULTIM. 100MB
0571345	SFP GIGABIT OPTICAL TRANSCEIVER SINGLEMODE LC FOR MICE AND RS30
0250212	SWITCH 24V 2TX RJ45 / 2TX RJ45 RING 100MB
0621378	16 INTERFACE RELAYS 24VDC
0639155	1K21F RS63Y RESISTOR
0621907	2 ANALOG INPUTS MODULE AI2632-1 X20 SYSTEM
0621955	2 ANALOG OUTPUTS MODULE AO2632 X20 SYSTEM
0623535	2 POLES 25A BREAKER CURVE C
0639122	230VAC SUPPLY TERMINAL BOARD
0621954	24 VDC 32 POSITIVE/NEGATIVE LOGICAL INPUTS MODULE - FAST
0571329	24VDC 3 FANS ASSEMBLY RACK MOUNTED 19" 1U
0639132	24VDC POWER SUPPLY TERMINAL BOARD 20 TERMINALS M10/10
0621941	TRIP AMPLIFIER CARD TF01 2/209 VARIANT 1.1
0621985	24VDC/24VDC 10A QUINT-PS POWER SUPPLY
0621905	4 ANALOG INPUTS MODULE AI4632-1 X20 SYSTEM
0250160	4 ANALOG OUTPUTS MODULE AO4632 X20 SYSTEM
0621906	DISTRIBUTION POLARITIES MODULE 2/48
0621965	V24 (RS232) / CL CONVERTER - MOUNTED ON DIN RAIL

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Material No.	DETAILED SPARE DESCRIPTION & SPECIFICATION
0621961	4 DIGITAL OUTPUTS MODULE DO4322 X20 SYSTEM
0621959	4 LOGICAL NAMUR INPUTS MODULE DI4760 X20 SYSTEM
0621948	5/24 VDC 0.5 A 32 POSITIVE LOGICAL OUTPUT MODULE
0621967	8 DIGITAL OUTPUTS MODULE DO8332 X20 SYSTEM
0621949	8 OUTPUT MODULE +/- 10VDC OR 0-20 MA OR 4-20 MA
0621983	MODULE, PWR SUPPLY: TYPE: S PHASE; I/P: 100-240 VDC; OUTPUT: 24 VDC 40 A
0636433	ADI 400 TERMINAL 4 ANALOG. I/O
0655967	STI300 CARD TO SPEED SENSORS CONNECTOR CABLE
0571323	X20HB8884 COMPACT LINK SELECTOR
0250159	X20 SYSTEM BB82 BUS MODULE 3 SLOTS
0250155	X20HB2885 HUB EXPANSION MODULE INCLUDING 2 HUBS HOT SWAPABLE
0639136	ANALOG I/O TERMINAL BOARD
0639147	ANALOG I/O TERMINAL BOARD
0621911	ANALOG INTERFACE AIT016
0621824	X20BC8084 POWERLINK BC SELECTOR
0621912	X20 SYSTEM PS3300 24V/24V SUPPLY MODULE
0621909	X20 SYSTEM BM11 BUS MODULE
0639133	ANALOG OUTPUTS TERMINAL BOARD
0621966	AUXILIARY BATTERY MODULE IC693ACC302
0639562	AUXILIARY SWITCH BLOCK (POS) 1INV TYPE S 2C - H 6R

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Material No.	DETAILED SPARE DESCRIPTION & SPECIFICATION
0639135	BOM 16 TERMINAL BOARD
0621297	DIODE SKKE 162/08
0639134	DISCONNECTABLE DOUBLE TERMINAL 8 MM-WIRING CAPACITY 0.5-4 MM ² / 22-12 AWG
0621938	DISTRIBUTION POLARITIES MODULE
0622000	THERMOSTAT 0/+60C 250VAC CONTACT NC
0502852	THERMOSTAT 20/+80°C 250VAC TYPE K TS011 1 CONTACT NO
0622177	TWL2/5 WALL MOUNTED TEMP TX 0-50°C/0-10V SUPPLY 24V AC/DC +/- 10%
0243279	FUSE 10X38 GG 4A/500V
0639145	DBL TERM SCREWED WITH PROT. CIRCUIT STEP 6 MM WIRING CAP 0.22-2.5 MM ² /22-12 AWG
0621962	FILTER PROTECTION
0622002	FUSE 22X58 AM 63A /500V PERCU
0622145	FUSE 5X20 1AF
0560212	FUSE CARTRIDGE 5X20MM 0.25A/125V INSTANTANEOUS WITHOUT STRIKER
0639561	FUSE ISOLATING SWITCH RMS
0623526	FUSIBLE DISCONNECTING SWITCH RMS 2 POLES 22X58+AUXILIARY CONTACT
0639148	GRD TERMINAL GREEN/YELLOW WITH SCREWED-SCREWED CONNECTIONS M4/6.P
0639140	GROUND TERMINAL YELLOW WITH SCREWED-SCREWED CONNECTIONS M4/6

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Material No.	DETAILED SPARE DESCRIPTION & SPECIFICATION
0571327	HUB 24VDC 8 CHANNELS
0621295	INDUSTRIAL SECURITY ROUTER EAGLEONE TXTX
0639149	END FLASK OF TERMINAL BOARD
0639156	INSULATOR 0/4MA TO 20MA 1WAY / 2 OUTPUTS
0250191	ISOLATION/SUPPLY MODULE MINI MCR-SL-RPS-I-I
0621352	L22 BPVSR 40 6 O 1
0623491	LIMIT SWITCH TYPE XCK T2121P16 1NO/1NC
0639142	LOGICAL OUTPUT DB0216 TERMINAL BOARD
0639138	TERMINAL WITH SCREWED/SCREWED CONNECTION-STEP 8 MM-
0621518	SURGE PROTECTION FILTER SFP 1-20/230AC
0252849	X20 SYSTEME TERMINAL BLOCK
0622153	TERMINAL WITH RELAY 24VDC-2 CHANGEOVER CONTACT
0621379	RELAYING 24VDC INTERFACE
0639146	LOGICALS INPUTS TERMINAL BOARD
0621517	MAINS FILTER 250VAC IN=10A
0250253	MFC3000 - 24VDC POWER SUPPLY 250 WATTS WITH FRONT RACK CONNECTION
0247480	MFC3000 CPCI - ETHERNET QUAD CARD (4 CHANNELS)
0623490	SAFETY RELAY SIL3/CEI 61 508 PSR-SCP-24DC/ESP4/2X1/1X2 2 CLOSING CIRCUITS 1
0639157	SHIELD TERMINALS FOR COLLECTOR BAR : SFB.B1
0621947	MFC3000 FIP CARD CC144

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

Material No.	DETAILED SPARE DESCRIPTION & SPECIFICATION
0571313	MFC3000-CFLASH 1GB - BOOTABLE
0571288	MFC3000-CPU PENTIUM
0574412	MFC3000-ETHERNET CARD
0621951	MFC3000-PMC CARRIER
0247484	MFC3000-SPEED MEASUREMENT CARD STI300
0639144	PLC-SP-EIK 1-SVN 24P/P SPRING TERMINAL BLOCK
0621963	PULSE ELECTROMECHANICAL COUNTER
0621825	VICKERS - EEA-PAM-581-D-32 MODULE
0571262	MODULE: TYPE: TRANGENT DATA INTERFACE; PART NO: C1002670;

Non-negotiable tender Returnable

The following returnable are non-negotiable:

- Signed Annexure B
- OHS plan / OHS manual
- Baseline SHE risk assessment
- Valid letter of good standing or equivalent
- SHE policy (must be signed)
- Signed 37 (2) agreement

3.2 LEGAL COMPLIANCE

3.2.1 Section 37(2) (Legal) Agreement

A section 37(2) agreement must be signed between Eskom and the principal contractor at the time of awarding the contract. The principal contractor must ensure that a section 37(2) agreement is compiled between the principal contractor and all their appointed contractors for the contract.

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

The original copy of the section 37(2) agreement must be retained by the contractor and a copy retained by the responsible manager.

A copy all the agreements must form part of the respective contractor's SHE files.

3.2.2 Hazardous Work by Children (Child Labour)

The constitution of the Republic of South Africa, in the "Bill of Rights" is clear on the rights of children, especially when it comes to:

1. being protected from exploitative labour practices.
2. not to be required or permitted to perform work or provide services that
 - i. are inappropriate for a person of that child's age; or
 - ii. place at risk the child's well-being, education, physical or mental health or spiritual, moral or social development.

and the Basic Conditions of Employment Act, Chapter six Section 43 "Prohibition of employment of children".

Before resorting to the use of child labour, due consideration must be given to the rights of the child in terms of the constitution. Where work is being performed which is not prohibited in terms of the constitution, then such work must be conducted in terms of the OHS Act "Regulations on Hazardous Work by Children in South Africa" with emphasis on paragraph 2 Purpose and Interpretation. Eskom does not condone the use of child labour and therefore all effort must be exercised, and child labour should not be used.

3.2.3 OHS Act

The principal contractor and appointed contractors shall have an up-to-date copy of the OHS Act and regulations which will be available to all employees.

3.2.4 Legislative Compliance

All contractors will comply with all the legislation pertaining to this contract being:

- The Constitution of the Republic of South Africa (particularly Section 24 of the Bill of Rights).
- Occupational Health and Safety Act 1993 (Act 85 of 1993) and its Regulations.
- Compensation for Occupational Injuries and Diseases Act.

3.3 Kusile Power Station requirements

All contractors shall, before commencement of the charter ensure that all their employees are familiar with the relevant Eskom SHE documentation that is applicable to supply and delivery services.

- The contractor must submit a SHE Plan in line with the scope of work
- Company own organogram

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

- Relevant legal appointments
- Inspection reports/records of the vehicle used to transport goods
- Driver competencies to operate the vehicle
- Methodology/work instruction for off-loading goods
- Route risk assessment
- Where the off-loading is done by the goods operator a task risk assessment must be conducted and authorised by the end user/receiver of the goods
- Baseline risk assessment addressing all associated activities as per issued scope of work
- Valid medical certificates of fitness
- Valid letter of good standing
- All drivers must be competent risk assessors
- The contractor to provide a list of drivers to do deliveries
- All drivers must have First aid level 1
- Proof of company own induction
- Proof that vehicles meet legal requirements

3.3.1 Appointment of a Contractor

The appointed contractor will be appointed by Eskom Kusile Power Station on the awarding of the contract and will be responsible and accountable for all legislative and Eskom requirements for the duration of the contract.

3.3.2 Appointment of sub-contractors

The appointed contractor may appoint sub-contractors to assist in the contract. All appointments shall be done in writing and will form part of the SHE plans that is required to be submitted to Eskom. Adequate training and instruction must be given to the appointees and the principal contractor must ensure that all the appointed contractors understand their roles and responsibilities.

Note: Copies of contractor appointments must be kept in the respective SHE files.

3.3.3 SHE Policy

A SHE policy is a statement of intent and a commitment by the organisation's CE and senior management in relation to the relevant SHE roles and responsibilities, the achievement of their strategic objectives, values of integrity, customer satisfaction, excellence, and innovation.

The principal contractor and all appointed contractors, if already not in place, will be required to compile an organisational SHE policy in line with their SHE responsibilities. The policy must be signed by the organisation's CE or the appointed assistant to the CE OHS Act Section 16(2). The policy must be displayed in a prominent place within the workplace. A copy of the policy must be filed in all the contract SHE files and as an annexure the SHE Plans

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

3.3.4 COID

The principal contractor and all his/her appointed contractors shall be registered with an appropriate employment compensation commissioner and have available a valid letter of good standing (LoGS) from such commissioner. The obligation lies with the contractors to ensure that the LoGS remains valid throughout the contract period. A copy of the LoGS must be filed in the entire contract SHE files and as an annexure the SHE Plans.

3.4 PERSONNEL HEALTH / HYGIENE FACILITIES

N/A

3.4.1 Ablution facilities

N.A

3.4.2 Drinking Water

n/a

3.4.3 Changing areas and Lockers

N/A

3.4.4 Camp / Office Welfare

N.A

3.5 FOOD HANDLING HYGIENE

N/A

3.6 OCCUPATIONAL HEALTH, HYGIENE AND REHABILITATION,

All contractors are required to develop an Occupational Health, Hygiene and Rehabilitation program. The program is intended to ensure that the risks to health are identified and controlled.

3.6.1 Medicals

Note: Eskom will only accept medical surveillances conducted by an Occupational Health Practitioner who holds a qualification in occupational health.

1. Principle contractors must ensure that their and their appointed contractors have a medical surveillance program whereby their employees under go entry, periodic and exit medical fitness examinations.

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

2. For the appropriate medical examinations to be conducted, each employee must have a person job specification (profile), which must indicate the description of work, list of hazards and potential occupational exposure limits, physical hazards and required physical attributes.
3. For employees working on the contract, medical fitness certificates shall be renewed annually for employees who are not office bound including drivers and once every 3 years for employees that are office bound. This shall be maintained until completion of the contract.
4. The Principal Contractor must ensure that his / her employees and sub-contractor employees have undergone pre-entry medical examination before starting work on the contract, should it be for longer than three (3) days.
5. The principal contractor shall provide a documented process for managing those employees who are issued with a conditional certificate of fitness.

3.6.2 Health and wellness HIV / Aids

Contractors shall submit details of their Employee Health and Wellness Programme as part of their Health and Safety Plan which should include awareness training, support for contracted illness and sharing knowledge with members of the public in the immediate work environment

3.7 APPOINTMENTS

For the duration of the contract, the principal contractor and all appointed contractors shall appoint competent employees who will meet the requirements of the OHS Act. Where appointments are made, contractors shall ensure that the appointees have been suitably trained and or informed of their responsibilities before getting them to accept such appointment. The relevant statutory appointments shall be made in accordance with the requirements of the OHS Act which includes the requirement of a competent person being appointed in the relevant roles. The statutory appointments should include but not limited to: Fire Fighter and Evacuation warden, First Aider, 16(2) appointments.

3.8 ROLES AND RESPONSIBILITIES

All contractors are required to list employee's roles and responsibilities pertaining to the contract.

3.9 RISK ASSESSMENTS

It is a legal requirement in terms of Section 8 (2)(d) of the OHS Act for an employer to carry out risk assessments to establish what hazards to the health and safety of persons are attached to any work which is performed, any article or substance which is, handled, stored, transported. A risk assessment is defined as an identification of the hazards present in an organisation and an estimate of the extent of the risks involved, considering whatever precautions are already being taken. It is essentially a three-stage process:

- identification of all hazards.

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

- evaluation of the risks.
- measures to control the risks.

Risk assessments are required to be maintained. This means that significant changes to a process or activity, or any new process or activity should be subjected to a risk assessment and that if new hazards come to light during the work process, then these should also be subjected to risk assessments. Risk assessments for long term processes should be periodically reviewed and updated. Method statements or written safe work procedures are an effective method as information and record of the way jobs / tasks must be performed. Prior to start of work, risk assessments on every job / task are ideal to allow managers and employees to assess any inherent risks that could have been overlooked during the initial risk assessment or any changes that might have occurred in a period of absence. In particular, if a job / task is extended over a day or halted due to inclement weather.

3.10 INCIDENT INVESTIGATION

All incidents shall be investigated in terms of OHS Act General Administrative Regulations 8 and 9, using Eskom Procedure 32-95 as a reference, and where injuries as contemplated in sections 24 and 25 have been sustained, be reported to the Department of Labour.

Contractors shall use the standard General Administrative Regulation Annexure 1 "Recording of an Incident" form for all incident investigation reports. The objective of incident investigation, not only being a legal requirement, is to establish why and how the incident occurred, but to find out the real causes of the incident and to decide on precautionary measures that are required to address the causes to prevent any further recurrences of the same or similar incidents.

3.11 EMERGENCY MANAGEMENT

1. The art of emergency preparedness and response is to minimise the effects of any emergency and to restore normal activities as soon as practical. The supplier must develop their own emergency response in their work premises. The Eskom employees attending training must be made aware of the emergency process and the assembly points. Where any office and or site is located within any Local Authorities area, then the plans must include their involvement. Emergency preparedness

Periodic emergency drills must be undertaken to test the effectiveness of the plan. This must be recorded and provided on request.

3.11.1 Non-Conformance and Compliance

1. Any non-compliance to any health and safety requirement in this SHE specification is subject to discipline in terms of the Eskom Procurement and Supply Management Procedure.
2. Principal contractors are required to implement a non-conformance procedure (if not already in place) for issuing to contractors for transgressions. The procedure can include "quality" related non-conformance issues. Similarly, appointed contractors must implement a non-conformance procedure.

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

3. The procedure for the issuing and closing off non-conformance reports shall be strictly adhered to.
4. Contract management must close out non-conformances issued, in not doing so, will not ensure that any recommendations made have been carried out and or implemented.
5. Where non-conformances are issued by Eskom, then one of the close-out steps of the procedure will be for the offender to be called on by the contractor responsible manager to explain the non-conformance issued and what they intend doing to prevent a recurrence of the non-conformance.
6. Contractor failure to provide adequate PPE to their employees for the tasks being performed and/or to visitors and failure to enforce the wearing of such PPE will be viewed as a transgression of the legislative and Eskom requirements.

3.11.2 QUALITY REQUIREMENTS

To ensure compliance to Quality Management System requirements, the following requirements shall be adhered to:

Category 1 Quality Requirements

- Complete and signed Form A
- Valid copy of ISO 9001 or any applicable certificate of Quality Management System (the latest applicable revision)
- A draft contract quality plan
- Latest copy of an internal and external management system audit reports. Audit must include, if applicable, nonconformity identified and the resulting remedial actions
- An inspection test plan or quality control plan (QCP) on similar and/or previous work done.
- Documented information for control of externally provided process, products and services
- A copy of documented information for roles, responsibilities and authorities.
- Records of Management Review Meetings (minutes, attendance registers, etc)

3.11.3 ENVIRONMENTAL REQUIREMENTS

- All the contractor and contract manager are responsible for all spillages that may be caused by their vehicles on site
- The contractor must comply with Kusile waste disposal procedure and environmental requirements.
- The contractor must provide the following:
 - Environmental Policy
 - Environmental Aspect and Impact register
 - Waste Management Plan

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	Supply and Delivery of Aux Automation Control Spares SHE SPECIFICATION	Template Identifier	240-73418055	Rev	2
		Document Identifier	XXX-XXXXX	Rev	2
		Effective Date	20 February 2016		
		Review Date	February 2023		

4. AUTHORIZATION

Nil

5. REVISIONS

Date	Rev.	Compiler	Remarks
April 2022	1	N.S Tembe	This provides the initial SHE specification requirements that must be met by the relevant contractors who have been awarded a contract for the work to be performed for Eskom.

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.