

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

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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.

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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

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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.

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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.)

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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).

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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”.

Item No:	Material Number	Detailed Description
1	0040294	FAN, ELECTRIC: TYPE: AXIAL COOLING; SIZE: 150 MM; POTENTIAL: 240 VAC; VOLUME RATING: 96.4 LPS; SUPPL P/N: W2S130-AA0323; 50HZ 40W; 55MM HT
2	0571329	RACK, EQUIPMENT: TYPE: FAN; DIMENSIONS: 19 IN; MANUF P/N: M1000200
3	0573119	ASSEMBLY: TYPE: SAF 40/23,2-2 (TWO-STAGE AXIAL FLOW FAN); APPLICATION: INDUCED DRAUGHT FAN; DIMENSIONS: DIA 3.982 (IMPELLER HUB DIAMETER) M; MATERIAL: STEEL; COMPRISING: SHAFT;BEARING;IMPELLER;HYDRAULIC;ACTUATOR; DRAWING NO: V7007742 REV 0; HNC 10/20 AN001; BLADES EXCLUDED; IMPELLER MOUNTED TO IMPELLER SHAFT AND HYDRAULIC ACTUATOR; DELIVER ON A STEEL STAND AND PRESERVE AGAINST CORROSION; PROVIDE MANUFACTURING DATABOOK
4	0573120	ASSEMBLY: TYPE: ANN-3200/1600B (SINGLE-STAGE AXIAL FLOW FAN); APPLICATION: FORCED DRAUGHT FAN; DIMENSIONS: HUB DIA 1.6 X SHAFT LG 2.283 M; MATERIAL: STEEL; COMPRISING: IMPELLER MOUNTED TO SHAFT; HYDRAULIC ACTUATOR AND ROTATING OIL SEAL; DRAWING NO: 1-14082-0 REV 0, 1-14092-0 REV 0; HLB10/20 AN001; BLADES EXCLUDED; DELIVER ON STEEL STAND, EXTERNALLY PRESERVED AGAINST RUST; ROTATING OIL SEAL PACKED SEPARATELY; IMPELLER MOUNTED TO IMPELLER SHAFT AND HYDRAULIC ACTUATOR; MANUFACTURING DATABOOK TO BE PROVIDED
5	0579220	FAN: TYPE: VENT; VOLUME RATING: 30 M3/MIN; MATERIAL: S235JR; DRIVER: ELECTRIC MOTOR; MANUF P/N: 199509/0005H
6	0583354	VENTILATOR: TYPE: FAN/FILTER UNIT; DIMENSIONS: 323 X 12.5 MM; CAPACITY: 22.05 DM3; MANUF P/N: SK3327.107; 700-720 M3/H; 230V; PANEL; RAL7035; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
7	0583370	FAN, ELECTRIC: TYPE: AC AXIAL COMPACT; SIZE: DIA 250 MM; POTENTIAL: 230 VAC; CURRENT: 560-790 MA; VOLUME RATING: 1205 M3/HR; SPEED: 2550/2700 RPM; MATERIAL: AL; SPECIFICATION: EN60335-1; INSULATION CLASS: F; DIRECTION: ANTI CLOCKWISE; SERVICE FACTOR: S1; BLADE QUANTITY: 7; MANUF P/N: W2E250-HL06-01

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8	0600213	FAN, ELECTRIC: TYPE: AC ACIAL; SIZE: 150 X 55 MM; POTENTIAL: 230 VAC; CURRENT: 190 MA; VOLUME RATING: 325 M3/HR; OEM P/N: 0108040058; EBMPAPST TYPE W2S130-AA03-01
9	0612208	FAN, ELECTRIC: TYPE: UPS; SIZE: DIA 150 MM; POTENTIAL: 230 VAC; CURRENT: 3 A; VOLUME RATING: 100 M3/MIN; TEMPERATURE CLASS: 40 DEG C; OEM P/N: 0108040058; 66.70VA/ 50 HZ
10	0618495	PAD, BRAKE: USAGE DESIGN: FORCE STOP; FAN/MOTOR; QUANTITY PER SET: 2; SENSOR: NONE; SPECIFICATION: SHD-60; DIMENSIONS: WD 100 X LG 170 X THK 17MM; SUPPORTED BY 4 BOLTS; 4 THREADED HOLES; HOLE DIA: 10MM
11	0621491	BEARING, PLAIN: TYPE: PA FAN BEARING NDE; INSIDE DIAMETER: 160 MM; SHAPE: CYLINDRICAL; MATERIAL: WHITE METAL; SPECIFICATION: L3N 3457.96.97; DRAWING NO: B11244 REV 0; SUPPL P/N: HSR22/BKRT160/SD160/NDE; USED ON JOURNAL FORCED LUBRICATION BEARING
12	0621678	PAD, BRAKE: USAGE DESIGN: PA FAN; QUANTITY PER SET: 2; SENSOR: NONE; SUPPL P/N: BSAK-300DS-XXS-200
13	0629914	FAN, ELECTRIC: TYPE: COOLING; SIZE: SQ 323 MM; POTENTIAL: 230 VAC; CURRENT: 0.37 A; VOLUME RATING: 465 M3/HR; SPEED: 2720 RPM; MATERIAL: PLASTIC; DIRECTION: CLOCKWISE; SUPPL P/N: SK3243; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED
14	0635396	FAN, ELECTRIC: TYPE: COOLING; SIZE: 181 MM; POTENTIAL: 400 VAC; CURRENT: 2.65 A; VOLUME RATING: 3900 M3/HR; SPEED: 1475 RPM; MATERIAL: SS; POLES: 4; DIRECTION: BI DIRECTIONAL; CLASSIFICATION: IP55; BLADE LENGTH: 601 MM; SUPPL P/N: TMR150-601N
15	0635420	FAN: TYPE: DIRECT COUPLED BACKWARD BLADED CENTRIFUGAL; DIMENSIONS: LG 1703 MM; VOLUME RATING: 2 M3/S; MATERIAL: STEEL; DRIVER: ELECTRIC MOTOR; REFERENCE NO: TF710/250/14; SUPPL P/N: TF710/250/14; IMPELLER TYPE: AXIAL BLADE
16	0637911	FAN: TYPE: HCB SEAL AIR SIDE CHANNEL BLOWER; DIMENSIONS: WD 269 X LG 285 X HT 302 MM; VOLUME RATING: 1.5 M3 AT 70 MBAR; MATERIAL: AL CAST; SUPPL P/N: 004.1329; 144443; DIRECT 0.55KW
17	0637912	FAN: TYPE: HCC SEAL AIR SIDE CHANNEL BLOWER; DIMENSIONS: WD 313 X LG 334 X HT 337 MM; VOLUME RATING: 2.5 M3 AT 70 MBAR; SUPPL P/N: 004.1330; 137108; DIRECT 0.85KW
18	0643558	FAN: TYPE: CUBICLE; REFERENCE NO: FK7726.230VAC-1610CUM/HR; SUPPL P/N: FAN15
19	0643559	THERMOSTAT: TYPE: FAN CONTROLLER; SUPPL P/N: OW-970
20	0644580	FAN, ELECTRIC: TYPE: DIAGONAL/SELF-STARTING; SIZE: SQ 255 MM; POTENTIAL: 230 VAC; CURRENT: 0.26 A; VOLUME RATING: 205 M3/HR; MATERIAL: PVC; POLES: 1; SUPPL P/N: SK3241.100

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21	0644882	FAN, ELECTRIC: TYPE: FILTER; SIZE: SQ 152 X THK 89 MM; POTENTIAL: 220 VDC 22 W; CURRENT: 0.4 A; VOLUME RATING: 67 M3/HR; DIRECTION: BLOWING; SUPPL P/N: GHV1500220
22	0647648	IMPELLER, FAN: MATERIAL: S355J2G3; REFERENCE NO: 273174/273173; SUPPL P/N: LRE125-020030-00; SANDBLASTED GRAIN2.5; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
23	0650114	FAN: TYPE: CENTRIFUGAL; SUPPL P/N: 305003; MPR SERIES 7
24	0653521	BLADE, FAN: TYPE: ID; LENGTH: 921 MM; WIDTH: 589 MM; THICKNESS: 265 MM; DEGREE PITCH: +13/-45; MATERIAL: GGG40; SUPPL P/N: SP-Kus-F2-06401; AXIAL FLOW; NUMBER OF STAGES: 2; NUMBER OF BLADES PER STAGE: 16; BLADE PROFILE: 16DA16; BLADE ADJUSTMENT RANGE: +13/-45DEG; PERIPHERAL SPEED: 155.25M/S; DISTANCE BETWEEN FAN HOUSING INTERNAL DIAMETER AND IMPELLER EXTERNAL DIAMETER: 4MM; OPERATING DATA LIST: 15297/22; CHARACTERISTIC CURVE FAN: 15297/22KNF; STARTING TORQUE CURVE: 15297/22STG
25	0659212	FAN, ELECTRIC: TYPE: BATTERY CHARGER; SIZE: SQ 120 X THK 38 MM; POTENTIAL: 230 VAC; CURRENT: 10 A; VOLUME RATING: 2.52-2.83 M3/MIN; SPEED: 3000 RPM; MATERIAL: DIECAST; SPECIFICATION: FAN100-4C 230HB; DIRECTION: CLOCKWISE; SUPPL P/N: 230V/BI-SONIC; HOUSING MATERIAL: AL; COLOR: BLACK; RATING: UL94V-D; POWER: 22/19W
26	0660487	FAN, ELECTRIC: TYPE: CENTRIFUGAL BLOWER; SIZE: WD 182 X LG 518 X HT 472 MM; POTENTIAL: 400 V; CURRENT: 1.86 A; VOLUME RATING: 1220 M3/HR; SPEED: 2845 RPM; POLES: 2; DIRECTION: BI DIRECTIONAL; DRAWING NO: CBZ-400-24-000-11 REV 0; SUPPL P/N: CRB300; CASING MATERIAL: MS; IMPELLER MATERIAL: AL; FAN TO BE SUPPLIED AS A UNIT INCLUDING THE MOTOR CMG 0.75KW; 2820RPM; 2P; FOOT MOUNT; MODEL: MART080-2
27	0662692	FAN: TYPE: FILTER UNIT; DIMENSIONS: DIA 215 MM; VOLUME RATING: 2 M3/S; MATERIAL: PLASTIC; SPECIFICATION: TH-CD-2592-00-03; DRIVER: MOTOR; SUPPL P/N: 2592-00-03-28
28	0665118	JOINT, BALL: SIZE: 10 MM; CONNECTION: M16; MATERIAL: CI GJL-250; TYPE: FD FAN; APPLICATION: GEABOX GF50-3; SPECIFICATION: EN10220; SUPPL P/N: AH36-1
29	0665876	FAN, ELECTRIC: TYPE: AC AXIAL COMPACT; SIZE: DIA 172 X WD 51 MM; POTENTIAL: 230 VAC; CURRENT: 0.1 A; VOLUME RATING: 375 M3/HR; SPEED: 2800 RPM; MATERIAL: DIE CAST ALUMINIUM; DIRECTION: COUNTER CLOCKWISE; MANUF P/N: 6058 ES; 24 WATT; -25 TO 75 DEG C; CABLE 2 FLAT PLUGS 2.8 X 0.5MM; HOUSING WITH GROUNDING LUG FOR M4 X 6; MOTOR PROTECTION PROTECTED FROM OVERLOAD BY THERMAL SWITCH; SOUND POWER LEVEL 5.9B; SOUND POWER LEVEL 55 DB(A)
30	0666202	FAN, ELECTRIC: TYPE: VENT; SIZE: DIA 695 MM; POTENTIAL: 380 VDC; CURRENT: 27.8 A; VOLUME RATING: 49.8 M3/MIN; SPEED: 2900 RPM;

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		DIRECTION: ANTI CLOCKWISE; SUPPL P/N: XH-WG55-2008/WG55-11NO.5.2D; GLAND STEAM SUCTION EXHAUST FAN; THE FAN IS TO BE SUPPLIED AS A SET CONSISTING OF MOTOR; COUPLING; CASING; ABB MOTOR: M2QA160MB2 15KW; 2P; B3; 2900RPM; AC 380V-3PIH; 50HZ; ISO F; IP55; SUPPLY EQUIPMENT WITH THE NECESSARY TECHNICAL DATASHEET
31	0669672	MODULE: TYPE: COOLING FAN; APPLICATION: G120 VSD 55KW PM240 ASH PLANT; SUPPL P/N: 6LS3200-OSF06-0AA0
32	0669674	MODULE: TYPE: COOLING FAN; APPLICATION: G120 VSD 18.5KW PM240 MILLING PLANT; OEM P/N: 6LS3200-OSF04-0AA0
33	0669675	MODULE: TYPE: COOLING FAN; APPLICATION: G120 VSD 30KW PM240 COAL PLANT; OEM P/N: 6LS3200-OSF05-0AA0
34	0669687	FAN, ELECTRIC: TYPE: UPS; SIZE: 250 MM; POTENTIAL: 230 V; CURRENT: 2 A; VOLUME RATING: 20 M3/HR; SUPPL P/N: 5056000038
35	0669689	FAN, ELECTRIC: TYPE: AXIAL; SIZE: WD 1.703M X THK 800MM X HT 1.45M; POTENTIAL: 400 V; CURRENT: 5 A; VOLUME RATING: 2 M3/S; SPEED: 2855 RPM; POLES: 2; DIRECTION: BI-DIRECTION; CLASSIFICATION: NON HAZARDOUS; IP55; DRAWING NO: ZSM-MP200-28 REV 0; SUPPL P/N: F5J-S; PROCESS MEDIUM: AIR; OUTLET TEMPERATURE: 350 DEG C; FILTER: SQ 600 X LG 650MM; REF: 467641
36	0669723	FAN, ELECTRIC: TYPE: COOLING; SIZE: 1 M; POTENTIAL: 400 VAC; CURRENT: 4.6 A; VOLUME RATING: 1025 M2/MIN; SUPPL P/N: KSDK240F140E24/FAN; SUPPLY EXCITATION RECTIFIER FAN MOTOR SET
37	0694021	FAN, ELECTRIC: TYPE: COOLING; SIZE: SQ 255 MM; POTENTIAL: 230 V; CURRENT: 0.39 A; VOLUME RATING: 107 M3/HR; DIRECTION: CLOCKWISE; BLADE QUANTITY: 4; REFERENCE NO: 010441; SUPPL P/N: 3243.100; 64/69DB; CONTROL PANEL COOLING AIR CIRCULATION FAN
38	0695023	FAN, ELECTRIC: TYPE: BCS; SIZE: DIA 27 MM; POTENTIAL: 380 V; CURRENT: 58.1 A; VOLUME RATING: 30 M3/HR; SPEED: 2339 RPM; POLES: 4; SUPPL P/N: JB08292/3
39	0695124	FAN, ELECTRIC: TYPE: BLOWER; SIZE: DIA 125 X THK 80 MM; POTENTIAL: 400 V; CURRENT: 1.70 A; VOLUME RATING: 0,22 M3/MIN; SPEED: 2760 RPM; MATERIAL: 316L; SPECIFICATION: CRB280; MOTOR SIZE: 0.75KW; REFERENCE NO: ORD-PROD:CT26703/1-FEB2014
40	0695932	FAN, ELECTRIC: TYPE: AXIAL; SIZE: DIA 333 X LG 710 MM; POTENTIAL: 400 V; CURRENT: 2.1 A; VOLUME RATING: 12.8 M3/HR; SPECIFICATION: HEP 56-4T/H; MOTOR SIZE 1.05 KW; BLADE QUANTITY: 6; OTHER MATERIALS: PROPELLER: FIBERGLASS; SUPPORT FRAME: STEELDRAWING; DATA SHEET AND MANUAL REQUIRED ON EVERY DELIVERY
41	0695933	FAN, ELECTRIC: TYPE: AXIAL; SIZE: DIA 236 X LG 465 MM; POTENTIAL: 400 V; CURRENT: 1.25 A; VOLUME RATING: 12.8 M3/HR; SPECIFICATION: HEP 35-2T/H; MOTOR SIZE 0,45 KW; BLADE QUANTITY: 6; OTHER MATERIALS: PROPELLER: FIBERGLASS; SUPPORT FRAME:

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		STEELDRAWING; DATA SHEET AND MANUAL REQUIRED ON EVERY DELIVERY
42	0695934	FAN, ELECTRIC: TYPE: AXIAL; SIZE: DIA 229 X LG 400 MM; POTENTIAL: 400 V; CURRENT: 0.89 A; VOLUME RATING: 4 M3/HR; SPECIFICATION: HEP 31-2T/H; MOTOR SIZE 0,3 KW; BLADE QUANTITY: 6; OTHER MATERIALS: PROPELLER: FIBERGLASS; SUPPORT FRAME: STEEL; DRAWING; DATA SHEET AND MANUAL REQUIRED ON EVERY DELIVERY

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.

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.

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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
- 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

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- 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

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

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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.
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.

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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.
- 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.

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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.
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.

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3.11.2 QUALITY REQUIREMENTS

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

1. 240-109253698 CQP to be completed
2. 240-12248652 Category 2- List of tender returnable
3. 240-109253302 Quality Control Plan / Inspection and Test Plan (QCP/ITP)
4. QM 58_240-105658000 Supplier Quality Management Specifications
5. 240-68099512 Form A: The tenderer must complete and sign this form to acknowledge and accept Eskom Supplier Quality Requirements as per QM 58 Specification and ISO 9001 Standard

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.

4. AUTHORIZATION

Nil

5. REVISIONS

Date	Rev.	Compiler	Remarks
March 2022	1	M Molefi T Tsatsi	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.

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