Supply and Delivery of electrical cables on "as and when required" at Grootvlei Power Station for a period of 5 years

PART 3: SCOPE OF WORK

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C3.1: PURCHASER'S GOODS INFORMATION

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Supply and Delivery of electrical cables on "as and when required" at Grootvlei Power Station for a period of 5 years

1 Overview and purpose of the *goods* and *service*s

The contract is for the supply and Delivery of various Electrical power cables at Grootvlei Power Station for as an when required for a period of 5 years. They are used to supply electrical power in various plant areas.

2 Specification and description of the *goods*

Detailed specifications of the goods are as follows:

Item nr	DESCRIPTION	UNIT	QTY	RATE	PRICE
1	CABLE, ELECTRICAL: CONDUCTOR SIZE: 16 MM2; ARMOR: STL WIRE; CONDUCTOR: 4 CORE, CU STRANDED; COVERING: PVC; RATING: 1 KV; CONDUCTOR INSULATION: PVC; SUPPL P/N: BVX4HCV; REFERENCE NO: BVX4HCV; ARMOURED, PVC OUTER SHEATH, ENDS MUST BE PROTECTED BY PLASTIC CAP TO PREVENT INGRESS OF MOISTURE	M	500		
2	CABLE, ELECTRICAL: CORE QUANTITY: 4; CONDUCTOR MATERIAL: COPPER; CONDUCTOR SIZE: 16 MM2; ARMOR: STEEL WIRE; TYPE: STRANDED; COVERING: PVC; RATING: 1 KV; CONDUCTOR INSULATION: PVC; SUPPL P/N: BVX4HCV; REFERENCE NO: BVX4HCV; ARMOURED, PVC OUTER SHEATH, ENDS MUST BE PROTECTED BY PLASTIC CAP TO PREVENT INGRESS OF MOISTURE	M	500		
3	CABLE, ELECTRICAL: CONDUCTOR SIZE: 25 MM2; TYPE: DIRECT BURIAL; CONDUCTOR: 4 CORES, CU; COVERING: PVC; RATING: 600 V TO 1 KV; CONDUCTOR INSULATION: PVC; STEEL WIRE ARMOURED, ESKOM CODE: BVX4KCV	M	500		
4	CABLE, ELECTRICAL: CONDUCTOR SIZE: 95 MM2; ARMOR: SINGLE WIRE; CONDUCTOR: 4 CORES, CU STRANDED; COVERING: PVC; RATING: 600 V TO 1 KV; CONDUCTOR INSULATION: PVC; REFERENCE NO: BVX4PCV	M	500		
5	CABLE, ELECTRICAL: CONDUCTOR SIZE: 95 MM2; CONDUCTOR: 4 CORE, CU STRANDED; COVERING: HALOGEN FREE; RATING: 600 V TO 1 KV; CONDUCTOR INSULATION: HALOGEN FREE; REFERENCE NO: BVV4PCV; HALOGEN FREE BED	M	500		
6	CABLE, ELECTRICAL: CORE QUANTITY: 3; CONDUCTOR MATERIAL: COPPER; CONDUCTOR SIZE: 1.5 MM2; TYPE: CABTYRE; COVERING: PVC; RATING: 250-500 V 15 A; CONDUCTOR INSULATION: PVC; SUPPL P/N: P5; 70 STRANDS, IN 100 M ROLL, BLACK OD, COLOUR CODED; ONE BLUE, ONE BROWN, ONE GREEN/YELLOW	M	500		
7	FERRULE, ELECTRICAL CONDUCTOR: ACCOMODATED WIRE SIZE: 1.5 MM2; MATERIAL: CU TINNED; END TYPE: COMPRESSION; REFERENCE NO: HTB2F; NO INSULATION	M	500		

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Item nr	DESCRIPTION	UNIT	QTY	RATE	PRICE
8	FERRULE, ELECTRICAL CONDUCTOR: INSIDE DIAMETER: 5 MM; ACCOMODATED WIRE SIZE: 16 MM2; MATERIAL: CU TINNED; END TYPE: COMPRESSION; REFERENCE NO: HTB16F; NO INSULATION	M	500		
9	FERRULE, ELECTRICAL CONDUCTOR: INSIDE DIAMETER: 2 MM; ACCOMODATED WIRE SIZE: 2.5 MM2; MATERIAL: CU; END TYPE: COMPRESSION; REDUCING NO INSULATION	M	500		
10	CABLE, ELECTRICAL: CONDUCTOR SIZE: 0.6 MM; TYPE: RIPCORD; SPECIFICATION: SAPO 212M; CONDUCTOR INSULATION: PVC; REFERENCE NO: PY818Y; SHEATHED, TINNED COPPER, MOLDED TOGETHER, COLOUR WHITE, SUPPLIED IN COILS EACH 200 METRES	M	500		
11	CABLE, ELECTRICAL: CONDUCTOR SIZE: 4 MM2; TYPE: INSULATED POWER; CONDUCTOR: 4 CORE, CU STRANDED; COVERING: RUBBER; RATING: 0.66-1 KV; CONDUCTOR INSULATION: RUBBER; REFERENCE NO: BRY4ECZ	M	500		
12	CABLE, ELECTRICAL: CONDUCTOR SIZE: 2.5 MM2; TYPE: ILLUMINATION; CONDUCTOR: 2 CORE, CU STRANDED; COVERING: PVC; RATING: 500 V 20 A; CONDUCTOR INSULATION: PVC	M	500		
13	CABLE, ELECTRICAL: CONDUCTOR SIZE: 1.5 MM2; ARMOR: ALUM/POLYURETHANE LAMINATE; TYPE: SURFIX; CONDUCTOR: 2; COVERING: PVC; RATING: 300-500 V; SPECIFICATION: SANS1507; WEIGHT PER UNIT MEASURE: 10.6 KG; TEMPERATURE RATING: 70 DEG C; CONDUCTOR INSULATION: 2 PVC; 1 BARE; COLOUR WHITE, 100 METERS PER COIL; (2)PVC, (1) EARTH; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING	M	500		
14	CABLE, ELECTRICAL: CONDUCTOR SIZE: 35 MM2; TYPE: ARMORED; CONDUCTOR: 4; RATING: 1 KV; CONDUCTOR INSULATION: PVC; REFERENCE NO: BVX04LCV; LOW HALOGEN W/BLUE STRIPE COVERIN	M	500		
15	CABLE, ELECTRICAL: CONDUCTOR SIZE: 6 MM2; TYPE: ARMORED; CONDUCTOR: 4; RATING: 1 KV; CONDUCTOR INSULATION: PVC; REFERENCE NO: BVX04FCV; LOW HALOGEN W/BLUE STRIPE COVERING	M	500		
16	CABLE, ELECTRICAL: CONDUCTOR SIZE: 4 MM2; TYPE: ARMORED; CONDUCTOR: 4; RATING: 1 KV; CONDUCTOR INSULATION: PVC; REFERENCE NO: BVX04ECV; LOW HALOGEN W/BLUE STRIPE COVERING	M	500		

17	CABLE, ELECTRICAL: CONDUCTOR SIZE: 16 MM2; TYPE: ARMORED; CONDUCTOR: 4; RATING: 1 KV; CONDUCTOR INSULATION: PVC; REFERENCE NO: BVX04HCV; LOW HALOGEN W/BLUE STRIPE COVERING	M	2500		
18	CABLE, ELECTRICAL: CONDUCTOR SIZE: 185 MM2; TYPE: ARMORED; CONDUCTOR: 4; COVERING: LOW HALOGEN STRIPED; RATING: 1 KV; CONDUCTOR INSULATION: PVC; REFERENCE NO: BVX04SCV	M	500		
19	CABLE, ELECTRICAL: CONDUCTOR SIZE: 500 MM2; TYPE: XLPE ARMORED; CONDUCTOR: 1; COVERING: HALOGEN FREE W/WHITE STRIPE; RATING: 12 KV; CONDUCTOR INSULATION: PVC AWA	M	500		
20	CABLE, ELECTRICAL: CONDUCTOR SIZE: 2.5 MM2; TYPE: SURFIX; CONDUCTOR: 2; COVERING: PVC; RATING: 600 V TO 1 KV; CONDUCTOR INSULATION: 2 PVC; 1 EARTH; COLOUR WHITE, 100M PER COIL	M	1500		
21	CABLE, ELECTRICAL: CONDUCTOR SIZE: 4 MM2; TYPE: SURFIX; CONDUCTOR: 2; COVERING: PVC; RATING: 600 V TO 1 KV; CONDUCTOR INSULATION: 2 PVC; 1 EARTH; COLOUR WHITE, 100M PER COIL	M	500		
22	CABLE, ELECTRICAL: CONDUCTOR SIZE: 4 MM2; TYPE: EARTHING WIRE; CONDUCTOR: 1 CORE, CU; BARE, REQUIRED FOR EARTHING OF L.V. EQUIPME	M	2500		
23	CABLE, ELECTRICAL: CONDUCTOR SIZE: 120 MM2; TYPE: EARTHING WIRE; CONDUCTOR: 1 CORE, CU; BARE, REQUIRED FOR EARTHING FROM 6.6/400V TRANSFORMER TO L.V. PANEL	M	500		
24	CABLE, ELECTRICAL: CONDUCTOR SIZE: 25 MM2; TYPE: EARTHING WIRE; CONDUCTOR: 1 CORE, CU; BARE, REQUIRED FOR EARTHING OF L.V. SWITCHGEAR AND MOTOR, MULTI STRAND COPPER WIRE	M	500		
25	CABLE, ELECTRICAL: CONDUCTOR SIZE: 6 MM2; TYPE: EARTHING WIRE; CONDUCTOR: 1 CORE, CU; BARE, REQUIRED FOR EARTHING OF L.V. SWITCHGEAR AND MOTORS	M	2500		
26	CABLE, ELECTRICAL: CONDUCTOR SIZE: SQ 185 MM; TYPE: ARMORED; CONDUCTOR: 3 CORE, CU; RATING: 1 KV; CONDUCTOR INSULATION: PVC; SUPPL P/N: CU - PVC - PVC - SWA - PVC - 1KV; LOW HALOGEN WITH BLUE STRIPE COVERING, REQUIRED FOR USE ON INCOMING SUPPLY	M	500		

Supply and Delivery of electrical cables on "as and when required" at Grootvlei Power Station for a period of 5 years

Item nr	DESCRIPTION	UNIT	QTY	RATE	PRICE
27	CABLE, ELECTRICAL: VOLTAGE: 600/1000 V; CORE QUANTITY: 4C; CONDUCTOR MATERIAL: CU; CONDUCTOR SIZE: 35 MM2; CONDUCTOR: 4 CORE, CU; COVERING: PVC; RATING: 600/1000 V; CONDUCTOR INSULATION: PVC SWA; REFERENCE NO: BVX04LCV	M	500		
28	CABLE, ELECTRICAL: CONDUCTOR SIZE: 16 MM2; TYPE: EARTH; CONDUCTOR: CU; CONDUCTOR INSULATION: BARE; REQUIRED FOR USE IN EARTHING OF MOTOR S AND SWITCHGEAR	M	500		
29	CABLE, ELECTRICAL: CONDUCTOR SIZE: 150 MM2; TYPE: EARTH; CONDUCTOR: CU; CONDUCTOR INSULATION BARE; REQUIRED FOR USE IN EARTHING SYSTEMS	M	500		
30	CABLE, ELECTRICAL: CONDUCTOR SIZE: 500 MM2; ARMOR: CU SCREEN/STL WIRE; TYPE: HIGH VOLTAGE; CONDUCTOR: 1 CORE, CU STRANDED; COVERING: PVC; RATING: 6.35-11 KV; CONDUCTOR INSULATION: XLPE; SUPPL P/N: DXE01WCV; 300M DRUM = 1EA	M	500		
31	CABLE, ELECTRICAL: CONDUCTOR SIZE: 50 MM2; TYPE: WESBRAID; CONDUCTOR: SILICON; COVERING: GLASS FIBER/POLYESTER; CONDUCTOR INSULATION: GLASS FIBER; SUPPL P/N: CB050; REQUIRED FOR USE ON UPS	M	500		
32	CABLE, ELECTRICAL: CONDUCTOR SIZE: 0.5 MM; TYPE: POWER; COVERING: RUBBER; TEMPERATURE RATING: -10 TO 100 DEG C; LENGTH: 6 M; APPLICATION: WEIGHT BRIDGE; FOR USE AT WEGHT BRIDGE IN COAL PLANT	M	500		
33	CABLE, ELECTRICAL: CONDUCTOR SIZE: 16 MM2; TYPE: HEAT RESISTANT; CONDUCTOR: 1 CORE, CU; COVERING: SILICON RED; RATING: 100 A; TEMPERATURE RATING: 180 DEG C; LENGTH: 500 M; APPLICATION: INLINE HEATERS; CONDUCTOR INSULATION: SILICON; FOR USE ON HP FUEL OIL PLANT	M	2500		
34	CABLE, ELECTRICAL: VOLTAGE: 400 V; CORE QUANTITY: 4; CONDUCTOR MATERIAL: COPPER; CONDUCTOR SIZE: 35 MM2; ARMOR: UNARMORED; DESIGN TYPE: TRAILING; TYPE: FLEXIBLE; CONDUCTOR: 4 CORE; CU; COVERING: RUBBER; RATING: 1000 V; SPECIFICATION: IEC; LENGTH: 100 M; APPLICATION: COMPRESSION, OIL AND UV RESISTANT; CONDUCTOR INSULATION: RUBBER; HARMONIZED RUBBER CABLE HO7 RN-F; WATER RESISTANT POLYCHLOROPRENE OR EQUIVALANT SYNTHETIC ELASTOMER CABLES; HEAVY DUTY; ABRASION RESISTANT	M	500		

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35	CABLE, ELECTRICAL: VOLTAGE: 400 V; CORE QUANTITY: 4; CONDUCTOR MATERIAL: COPPER; CONDUCTOR SIZE: 16 MM2; ARMOR: UNARMORED; DESIGN TYPE: TRAILING; TYPE: FLEXIBLE; CONDUCTOR: 4 CORE, CU; COVERING: RUBBER; RATING: 1000 V; SPECIFICATION: IEC; LENGTH: 100 M; APPLICATION: COMPRESSION, OIL AND UV RESISTANT; CONDUCTOR INSULATION: RUBBER; HARMONIZED RUBBER CABLE HO7 RN-F; WATER RESISTANT POLYCHLOROPRENE OR EQUIVALENT SYNTHETIC ELASTOMER CABLES; HEAVY DUTY; ABRASION RESISTANT	M	500		
36	CABLE, ELECTRICAL: VOLTAGE: 400 V; CORE QUANTITY: 4; CONDUCTOR MATERIAL: COPPER; CONDUCTOR SIZE: 25 MM2; ARMOR: UNARMORED; DESIGN TYPE: TRAILING; TYPE: FLEXIBLE; CONDUCTOR: 4 CORE; CU; COVERING: RUBBER; RATING: 1000 V; SPECIFICATION: IEC; LENGTH: 100 M; APPLICATION: COMPRESSION, OIL AND UV RESISTANT; CONDUCTOR INSULATION: RUBBER; HARMONIZED RUBBER CABLE HO7 RN-F; WATER RESISTANT POLYCHLOROPRENE OR EQUIVLENT SYNTHETIC ELASTOMER CABLES; HEAVY DUTY; ABRASION RESISTANT	M	500		
37	CABLE, ELECTRICAL: VOLTAGE: 400 V; CORE QUANTITY: 4; CONDUCTOR MATERIAL: COPPER; CONDUCTOR SIZE: 10 MM2; ARMOR: UNARMORED; DESIGN TYPE: TRAILING; TYPE: FLEXIBLE; CONDUCTOR: 4 CORE, CU; COVERING: RUBBER; RATING: 1000 V; SPECIFICATION: IEC; LENGTH: 100 M; CONDUCTOR INSULATION: RUBBER; HARMONIZED RUBBER CABLE HO7 RN-F; WATER RESISTANT POLYCHLOROPRENE OR EQUIVLENT SYNTHETIC ELASTOMER CABLES; HEAVY DUTY; ABRASION RESISTA	M	500		
38	CABLE, ELECTRICAL: VOLTAGE: 400 V; CORE QUANTITY: 4; CONDUCTOR MATERIAL: COPPER; CONDUCTOR SIZE: 35 MM2; ARMOR: UNARMORED; DESIGN TYPE: TRAILING; TYPE: FLEXIBLE; CONDUCTOR: 4 CORE; CU; COVERING: RUBBER; RATING: 1000 V; SPECIFICATION: IEC; LENGTH: 100 M; APPLICATION: COMPRESSION, OIL AND UV RESISTANT; CONDUCTOR INSULATION: RUBBER; HARMONIZED RUBBER CABLE HO7 RN-F; WATER RESISTANT POLYCHLOROPRENE OR EQUIVALANT SYNTHETIC ELASTOMER CABLES; HEAVY DUTY; ABRASION RESISTANT	M	500		

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28	CABLE, ELECTRICAL: CONDUCTOR SIZE: 16 MM2; TYPE: EARTH; CONDUCTOR: CU; CONDUCTOR INSULATION: BARE; REQUIRED FOR USE IN EARTHING OF MOTOR S AND SWITCHGEAR	M	200		
29	CABLE, ELECTRICAL: CONDUCTOR SIZE: 150 MM2; TYPE: EARTH; CONDUCTOR: CU; CONDUCTOR INSULATION BARE; REQUIRED FOR USE IN EARTHING SYSTEMS	M	200		
30	CABLE, ELECTRICAL: CONDUCTOR SIZE: 500 MM2; ARMOR: CU SCREEN/STL WIRE; TYPE: HIGH VOLTAGE; CONDUCTOR: 1 CORE, CU STRANDED; COVERING: PVC; RATING: 6.35-11 KV; CONDUCTOR INSULATION: XLPE; SUPPL P/N: DXE01WCV; 300M DRUM = 1EA	M	200		
31	CABLE, ELECTRICAL: CONDUCTOR SIZE: 50 MM2; TYPE: WESBRAID; CONDUCTOR: SILICON; COVERING: GLASS FIBER/POLYESTER; CONDUCTOR INSULATION: GLASS FIBER; SUPPL P/N: CB050; REQUIRED FOR USE ON UPS	M	200		
32	CABLE, ELECTRICAL: CONDUCTOR SIZE: 0.5 MM; TYPE: POWER; COVERING: RUBBER; TEMPERATURE RATING: -10 TO 100 DEG C; LENGTH: 6 M; APPLICATION: WEIGHT BRIDGE; FOR USE AT WEGHT BRIDGE IN COAL PLANT	M	100		
33	CABLE, ELECTRICAL: CONDUCTOR SIZE: 16 MM2; TYPE: HEAT RESISTANT; CONDUCTOR: 1 CORE, CU; COVERING: SILICON RED; RATING: 100 A; TEMPERATURE RATING: 180 DEG C; LENGTH: 500 M; APPLICATION: INLINE HEATERS; CONDUCTOR INSULATION: SILICON; FOR USE ON HP FUEL OIL PLANT	M	200		
34	CABLE, ELECTRICAL: VOLTAGE: 400 V; CORE QUANTITY: 4; CONDUCTOR MATERIAL: COPPER; CONDUCTOR SIZE: 35 MM2; ARMOR: UNARMORED; DESIGN TYPE: TRAILING; TYPE: FLEXIBLE; CONDUCTOR: 4 CORE; CU; COVERING: RUBBER; RATING: 1000 V; SPECIFICATION: IEC; LENGTH: 100 M; APPLICATION: COMPRESSION, OIL AND UV RESISTANT; CONDUCTOR INSULATION: RUBBER; HARMONIZED RUBBER CABLE HO7 RN-F; WATER RESISTANT POLYCHLOROPRENE OR EQUIVALANT SYNTHETIC ELASTOMER CABLES; HEAVY DUTY; ABRASION RESISTANT	M	200		

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37	CABLE, ELECTRICAL: VOLTAGE: 400 V; CORE QUANTITY: 4; CONDUCTOR MATERIAL: COPPER; CONDUCTOR SIZE: 10 MM2; ARMOR: UNARMORED; DESIGN TYPE: TRAILING; TYPE: FLEXIBLE; CONDUCTOR: 4 CORE, CU; COVERING: RUBBER; RATING: 1000 V; SPECIFICATION: IEC; LENGTH: 100 M; CONDUCTOR INSULATION: RUBBER; HARMONIZED RUBBER CABLE HO7 RN-F; WATER RESISTANT POLYCHLOROPRENE OR EQUIVLENT SYNTHETIC ELASTOMER CABLES; HEAVY DUTY; ABRASION RESISTA	M	200		
38	CABLE, ELECTRICAL: VOLTAGE: 400 V; CORE QUANTITY: 4; CONDUCTOR MATERIAL: COPPER; CONDUCTOR SIZE: 35 MM2; ARMOR: UNARMORED; DESIGN TYPE: TRAILING; TYPE: FLEXIBLE; CONDUCTOR: 4 CORE; CU; COVERING: RUBBER; RATING: 1000 V; SPECIFICATION: IEC; LENGTH: 100 M; APPLICATION: COMPRESSION, OIL AND UV RESISTANT; CONDUCTOR INSULATION: RUBBER; HARMONIZED RUBBER CABLE HO7 RN-F; WATER RESISTANT POLYCHLOROPRENE OR EQUIVALANT SYNTHETIC ELASTOMER CABLES; HEAVY DUTY; ABRASION RESISTANT	M	200		

2.1 Work to be performed by the contractor for the works.

Transporting the Low Voltage (LV) and Medium Voltage (MV) cables at Grootvlei Power Station.

Supply and delivery on electrical cables.

Contractor shall always adhere to the delivery agreement period as per Eskom standard (24-56361435)

Contractor shall comply to Eskom's policies and procedures.

2.2 Electrical Specification

The electrical equipment specification should be done according to SANS and Eskom standards. Cabling and electrical components that will be supplied by the Contractor should be suitable to operate on 400V, 3,3kV, 6,6kV, three phase supply and 220 VAC single phase and 50 Hz power supply, as well 220VDC.

2.3 Control and Power Cabling Requirements

The Contractor is to ensure that the cables are accordance with Eskom standard 240-56227443 Requirements for Control and Power cables for Power Stations standard.

2.4 Contract Deliverables

The following deliverables are required as per the Configuration Management requirements, during the Contract period:

Cable Manufacturing and Testing Certification

2.5 Procedure for submission and acceptance of *Supplier*'s design

Supplier should adhere to the specified goods information during sourcing of the goods to ensure compliance during quality inspections or checks after delivery has been made.

3 Supply Requirements

The Supply Requirements for this contract are in an Annexure A to the Contract Data provided by the *Purchaser*.

4 Constraints on how the *Supplier* Provides the Goods

4.1 Programming constraints

The contract is as and when required, the supplier to adhere to the conditions stipulated on the contract data.

4.2 Work to be done by the Delivery Date

Goods are to be delivered at the delivery place, in good condition and as per their detailed specifications.

4.3 Marking the *goods*

All goods will be paid once they are delivered at the delivery place as well as after goods inspection or checks is completed.

4.4 Constraints at the delivery place and place of use

Supplier to arrange with the Purchaser prior to delivery of goods, for security access to be arranged. No deliveries will be allowed during weekends and public holidays. Deliveries should be made to the delivery place, during the following times:

Monday – Thursday : 08H00 - 16H00
Friday : 08H00 - 11H30

4.5 Services & other things to be provided by the *Purchaser* or *Supplier*

Both parties will assist during offloading and where material handling equipment such as forklift, overhead crane is required the purchaser will provide for the purpose of offloading the goods.

4.6 Management meetings

Quarterly meetings to be held once the contract is up and running to discuss the progress and anticipated next delivery. The meeting to be attended by the Supply Manager or his/her representative, Service Provider representative and the End User. The meeting will be held at Grootvlei Power Station.

The following text could be used as a model for this section:

Title and purpose	Approximate time & interval	Location	Attendance by:
Kick off meeting	Once off after contract placement	Grootvlei Power Station	*Purchaser and Supplier*
Contract progress and feedback	As an when required	Grootvlei Power Station	*Purchaser and Supplier*

Meetings of a specialist nature may be convened as specified elsewhere in this Goods Information or if not so specified by persons and at times and locations to suit the Parties, the nature and the progress of the manufacture of the *goods*. Records of these meetings shall be submitted to the *Supply Manager* by the person convening the meeting within five days of the meeting.

All meetings shall be recorded using minutes or a register prepared and circulated by the person who convened the meeting. Such minutes or register shall not be used for the purpose of confirming actions or instructions under the contract as these shall be done separately by the person identified in the *conditions of contract* to carry out such actions or instructions.

4.7 Documentation control

All communication will be in the form of meeting minutes as well as emails and both parties must have contract file to ensure the details of the contract are stored accordingly.

4.8 Health and safety risk management

The *Supplier* shall always comply with OHS Act 95 of 1993 or ISO 45001, Eskom's SHE rules and requirements. The *Supplier* must identify, assess and manage Safety, Health and Environmental risks related to the scope of work. The methodology used for the risk assessment must be provided together with the BRA.

The Contractor shall adhere to all OHS Legal requirements, OHS corporate policies, standards and procedures to which Eskom subscribes and as indicated on the issued SHE specification.

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The Contractor shall, when coming on site (Grootvlei Power Station), abide by the Lifesaving Rules. These will be provided by the Employer on the start of the contract.

The Contractor shall also abide by the Grootvlei High risk Safety, Health and Environmental Specifications 240-73418055, which will also be provided by the Employer.

The Contractor shall, when coming on site (Grootvlei Power Station), make use of approved personal protective clothing such as overalls, safety shoes, safety hat, safety goggles, dust mask and gloves when necessary.

The Employer follows an Incident management procedure (32-95) that includes the investigation of all accidents involving personnel and property. This is done with the intention of introducing control measures to prevent a recurrence of the same incidents. The Contractor is expected to fully co-operate to achieve this objective. The Contractor will report any incident and accidents to Grootvlei Power Station within 24 hours or before end of shift. This report does not relieve the Consultant of his legal obligation to report certain incidents to the Department of Labour, or to keep records in terms of the Occupational Health and Safety Act, and Compensation for Occupational Injuries and Diseases Act.

The Contractor implements a safety plan and maintains the safety system until the completion of the whole of the works. The plan, will as a minimum, contain PPE information, written safe work procedures, job specific risk assessments, safety meetings, etc. The plan will be to the Employer's satisfaction and will be accepted prior to the commencement of any work.

The Contractor will be subject to periodic audits by the Employer to ensure compliance with the plan. Any deviations will be corrected to the Employer's satisfaction.

The Service Manager has the right to stop the Contractor's work activities which, in the opinion of Service Manager, is un-safe. The Contractor may only continue with work activities when all safety deficiencies have been corrected to the Service Manager's satisfaction. The Contractor shall have no claim against the Employer in respect of delay due to the above.
The *Contractor* shall comply with the health and safety requirements contained in the contract tender package

The *Contractor* shall comply with the health and safety requirements contained in the contract tender package

4.9 Environmental constraints and management

The contractor and or supplier shall have a documented and implemented environmental management system e.g. environmental policy, operational procedures relating to their activities, aspects/impacts register etc.

The contractor shall comply with all Eskom Grootvlei Power Station environmental requirements such as policies, standards and procedures (work instructions). Non-conformance, incident reporting and investigations shall be done by the contractor. Polluter pays principles shall apply to all *Contractors*. It is the responsibility of the polluter to clean all spillages and for the rehabilitation of the polluted land and the cost associated with that.

Eskom Grootvlei Power Station shall issue non-conformances where there are deviations from Grootvlei Power Station Procedures and any other environmental requirements. Adherence to the 'Duty of Care' as stipulated in section 28 of the National Environmental Management Act 107 of 2008.

All incidents shall be managed according to Eskom Environmental incident management procedure-**240-133087117;** Station Waste management procedure and colour coding shall be adhered to at all times.

4.10 Quality

The Contractor shall implement a quality system and maintains the quality system until the completion of the whole of the Works. The system, will as a minimum, comply with the provisions of the ISO9001 and the Eskom Supplier Contract Quality Requirements Specification (240-105658000).The system will be to the Employer's satisfaction and will be accepted prior to the commencement of any work as per services.
The Contractor will be subject to periodic audits by the Employer in order to ensure compliance with the system. Any deviations will be corrected to the Employer's satisfaction.

The Supply Manager has the right to stop the Contractor's work activities which, in the opinion of Supply Manager, does not meet the requirements of the system and will have a detrimental effect on plant performance.

4.11 Invoicing and payment

Within one week of receiving a payment certificate from the *Supply Manager* in terms of core clause 51.1, the *Supplier* provides the *Purchaser* with a tax invoice showing the amount due for payment equal to that stated in the *Supply Manager's* certificate.

The *Supplier* shall address the tax invoice to *Purchaser* and include on each invoice the following information:

- Name and address of the *Supplier* and the *Supply Manager;*
- The contract number and title;
- *Supplier*'s VAT registration number;
- The *Purchaser*'s VAT registration number.
- Description of *goods* and *service*s provided for each item invoiced based on the Price Schedule;
- Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT;
- (add other as required)

4.12 Insurance provided by the *Purchaser*

No additional insurance apart from the stated in the contract data

4.13 Records of Defined Cost, payments & assessments of compensation events to be kept by the *Supplier*

Assessments signed by all parties and notification of compensation events should be kept by the *Supplier* as well as the *Purchaser* for future reference, should there be any.

5 Procurement

5.1 Subcontracting

5.1.1 Preferred subcontractors

Tenderers shall subcontract a minimum of 5% of the contract value to the following designated groups:
• an EME or QSE which is 51% owned by black people living in rural or underdeveloped area or townships.

NOTE 1: Tenderers shall submit the following mandatory returnable for Subcontracting:
• Letter of intent to subcontract 5% from Main contractor.

Potential scope to be subcontracted and/or outsourced
• Transportation

Tenderers are required to submit their proposals in the table below

Local Procurement Content	Eskom target	Tenderer Proposal
	100%	