



TERMS OF REFERENCE

PROVISION OF REPAIRS AND MAINTENANCE OF LV-MV ELECTRICAL INFRASTRUCTURE AT THE TSITSIKAMMA SECTION OF THE GARDEN ROUTE NATIONAL PARK FOR A PERIOD OF THREE YEARS

RFQ NO. 23/2021

REQUEST FOR PROPOSAL

You are hereby invited to submit proposal/ price quotation for:

PROVISION OF REPAIRS AND MAINTENANCE OF LV-MV ELECTRICAL INFRASTRUCTURE
AT THE TSITSIKAMMA SECTION OF THE GARDEN ROUTE NATIONAL PARK FOR A
PERIOD OF THREE YEARS

RFQ Number:	23/2021
Advertisement Date:	Wednesday, 23 June 2021
Non-Compulsory Briefing Session	n/a
Closing Date:	Thursday, 01 July 2021
Closing Time:	11H00
CIDB grading	1EP or higher
Bid Document Address:	GRNP.RFQS@sanparks.org
For Attention:	GRNP Quotations
Contact details	044 302 5639

PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE SOUTH AFRICAN NATIONAL PARKS					
BID NUMBER:	23/2021	CLOSING DATE:	01.07.2021	CLOSING TIME:	11H00
DESCRIPTION	PROVISION OF REPAIRS AND MAINTENANCE OF LV-MV ELECTRICAL INFRASTRUCTURE AT THE TSITSIKAMMA SECTION OF THE GARDEN ROUTE NATIONAL PARK FOR A PERIOD OF THREE YEARS				
BID RESPONSE DOCUMENTS MUST BE FORWARDED TO THE BELOW MENTIONED ADDRESS					
GRNP.RFQS@sanparks.org					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	Siyamthanda Mcoso		CONTACT PERSON	Siyolo Dudumashe	
TELEPHONE NUMBER	044 302 5639		TELEPHONE NUMBER	042 281 1607	
E-MAIL ADDRESS	Siyamthanda.dyubere@sanparks.org		E-MAIL ADDRESS	siyolo.dudumashe@sanparks.org	
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	[TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No	
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]	
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE A BRANCH IN THE RSA?				<input type="checkbox"/> YES <input type="checkbox"/> NO	

DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?

YES NO

DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?

YES NO

IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?

YES NO

IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.

PART B TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED--(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.
1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
1.4. THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).
2. TAX COMPLIANCE REQUIREMENTS
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
2.6 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:
(Proof of authority must be submitted e.g. company resolution)

DATE:

1. PURPOSE

The purpose of this exercise is to appoint an electrical service provider for the repair and maintenance of LV-MV electrical infrastructure at the Tsitsikamma section of the Garden Route National Park when the need arises for a period of three years.

2. BACKGROUND

South African National Parks (SANParks) is a public entity functioning under *National Environmental Management: Protected Areas Act 57 of 2003 (Act 57 of 2003)*; with the mandate to conserve; protect; control; and manage national parks and other defined protected areas and their biological diversity (Biodiversity). As a public entity, SANParks is also governed by the *Public Finance Management Act, Act 1 of 1999 (as amended by Act 29 of 1999)*, and it is listed as *Schedule 3 Part A: 25 public entities*.

SANParks' operations are totally guided by its vision statement and mission statement. As a public entity, the organisation is committed to act in pursuance of transformation of South Africa's society in support of entrenching South Africa's democracy. In this regard, the organisation has adopted a transformation mission to guide its efforts accordingly.

3. SCOPE OF WORKS

The appointed service provider will be required to perform medium voltage (MV) and low voltage (LV) underground cable jointing, fault finding and repair of overhead lines on both LV and MV, installation of pole mounted transformers, planting of both MV and LV wooden poles, changing of damaged pole boxes, and attending of complaints as well as keeping records thereof after hours.

Whenever the need arises the successful bidder will also be required to lay underground MV-LV cables and restring of MV-LV over-headlines including the following:

- 600kl water capacity purification plant complete with water pumps
- Four (4) bio-filter sewer treatment plants with a 200l/s capacity rating
- 450KL water purification plant
- 400 sqm fully equipped restaurant
- Two (2) operating shops
- One (1) boat house
- Otter trail training facility
- Four (4) ablution facilities
- 68 staff houses
- 169 holiday cottages
- 1200 sqm office block, complete with data infrastructure and security infrastructure
- Six hundred and eighty nine (689) Lighting points

- Five (5) Mini-substations
- Eight (8) pump stations
- Fifty (56) Km of an overhead transmission line complete with isolators and fuse links
- Twenty (29) Kilometres of underground power cabling
- Five (5) Switch gears

The power feeds off two sub-stations based in the park complete with transformers and more than 80 kilometre of power cabling strewn across the park.

The switching procedures must be done by qualified technicians for fault finding and other job that requires switching. All the damaged infrastructure must be removed and re-installed with new infrastructure such as:

- Installation of transformers must be done as per NRS standards
- Underground cable joints must be done as per IEEE standards
- The overhead lines must be repaired according to NRS standards.
- Plating of wooden poles must be done as per SANS 754 standard.
- For complaints the service provider would receive a call from the Technical Services and will fill in the call out job card.
- The appointed service provider shall as and when required be expected to lay underground MV-LV cables and restring of MV-LV over-headlines.
- After completion of work, the waste or debris must be disposed to the legal dumping sites. The damaged material or equipment removed must be booked back to Technical Services workshops.

Applicable national and international standards

- IEEE
- NRS
- SANS 754
- NS 128
- OHS Act (85 of 1993)
- NEMA

Particular / Generic specifications

It is advisable to use the excavating machine where feasible or else digging trenches to expose underground cables may be by use of pick as it would not easily damage cables. The underground cable joints will be done for different cable sizes and different joint kits would be used, for 35mm²- 95mm² cables use MRP 01 joint kit and for 120mm² – 300mm² cables use MRP 02. After completion of the joint, the trench must be backfilled with soft sand and the whole spoil must be the final layer. Tarred wooden pole must be used, holes must be dug according to the pole length, and backfilling must comply with NS122. Testing must be done before switching ON and before Earthing.

Telkom Requirement

All power line projects shall be submitted to Telkom in the prescribed manner. (Ref. OHS Act). In view of the time factor involved in the submission and approval of plans it is strongly recommended that the proposed layout be clearly shown on acceptable plans and discussed with Telkom Regional representatives in the very early stage of the project. If Telkom wish to share the infrastructure they should be allowed to do so in terms on NRS 043.

Other statutory bodies from whom permission may have to be obtained are:

- National roads,
 - Provincial roads,
 - Forestry (SAFCOL and Dept. of Economic Affairs, Environment and tourism),
 - Civil aviation,
 - TLCs, and
 - Any other statutory body that may be considered a stakeholder.
- **Performance and operability requirements**
 - Overhead lines shall be designed to ensure that the desired line performance for a particular area is achievable. Devices such as re-closers, sectionalises, fused dis-connectors and solid dis-connectors are devices that may be employed to provide a practical system in support of the performance targets. The Technical department shall be consulted before the placement of devices or modifications to ensure optimisation of the network.
 - The above devices are costly and it shall be the responsibility of the line designer to ensure that this requirement is considered to ensure that the most appropriate, cost effective solutions are implemented.
 - System protection shall be in accordance with the philosophy detailed in 34-1197 & 34; 1198.
 - **Downstream auto-re-closers, auto-sectionalisers and switching points**

The application of auto-reclosers and auto-sectionalises is a strategic choice that has to be weighed up against the economic implications. Line length, the number of consumers and the installed capacity are generally the most important considerations. The following factors shall also be considered when placing additional auto-reclosers and auto-sectionalisers:

- Lines performing poorly due to lightning. The installation of an additional sectionalising point may be justified to improve the line performance and reduce nuisance outages to upstream customers,
- a local knowledge of forests, irrigation systems, hills, thick vegetation and areas prone to high winds, pollution etc. may provide sufficient justification for the application of a further sectionalising point; and
- Additional switching points shall be provided in the MV line to facilitate the operation of the MV system. The positions of the switching points shall be determined after considering the number of customers affected, demand, and accessibility. These

switching points may either be solid or fuse links in accordance with local area philosophies.

- **System configuration**

The exact layout of the new distribution system will depend on what exists in the area and what additional loads are to be supplied. Planning, following the guidelines in the Distribution Standard, will determine the conductor size for new lines.

The main considerations for system configuration shall be based on the following:

- the use of auto-re-closers at the supply substation to protect MV lines and isolate the MV line from the system in the case of a permanent fault,
- the use of fuses to isolate T-offs downline from the main feeder protection and in-line auto-re -closers / auto-sectionalisers,
- the installation of individual 20A MV type 'K' uses for transformers connected to the main MV line,
- the group-fusing of transformers connected to T-offs with not more than 500 kVA of installed transformer capacity for each fuse, depending on physical limitations,
- the installation of downline auto-re-closers if the line load exceeds 5MVA or the line length exceeds 80 km; and
- The installation of sectionalisers if the line load exceeds 3MVA or the line length exceeds 40 km.

- **Fuse selection considerations**

Fuse selection shall be on the basis that continuous and transient load characteristics shall have a negligible impact on the fuse performance. Several criteria relating the full load rating of the distribution transformer to the transient in-rush currents can be followed, e.g. the 10 ms/100 ms criterion (fuse curve slower than 10 ms at 25 rated transformer current and slower than 100 ms at 12 rated transformer current) or the fuse derating factor of 1,6 the rated in-zone transformer full-load current. Adopting the 10 ms /100 ms approach, gives the minimum fuse link ratings recommended for application to individual and groups of transformers:

Table 4.4.1

Minimum	11 kV		22 kV	
Rating	Individual	Group	Individual	Group
30 K	± 500 kVA	± 450 kVA	±1MVA	± 850 kVA
20 K	± 350 kVA	± 300 kVA	± 600 kVA	± 500 kVA
10 K	± 175 kVA	± 150 kVA	± 350 kVA	± 300 kVA

- **The following aspects are relevant with regard to the minimum ratings in Table 4.4.1:**
 - A derating factor of approximately 1:2 is recommended for group fuses to account for excitation current composition.
 - The smaller the fuse link rating, the more efficient the fuse in terms of earth fault detection and the easier the fuse-protection co-ordination; at the same time the fuse will be more prone to transient current deterioration effects. Transient insensitivity for fuses is attained with a characteristic resembling that of a 25 K fuse. In order to minimise nuisance operations, 20 K and 30 K fuses are recommended. K-type fuses (and the inclusion of the 10 K) are recommended to allow for the appropriate fuse/fuse co-ordination applications discussed in the next section.
 - Where fuse/fuse co-ordination is applicable, the maximum clearing time of the downstream fuse closest to the fault shall be less than about 75 % of the minimum melting time of the upstream fuse. This requirement inherently sets an upper fault current limit for successful fuse/fuse co-ordination, this margin being a

function of the I2t energy capabilities of the fuses in question. The fuse co-ordination selections in Table 2 are recommended, considering the spread of fault currents for earth and phase faults as well as the ratings of devices protected:

Upstream	Downstream	Max. current
30 K	20 K	±500A
30 K	10 K	± 1050 A
20 K	10 K	±550A

The following constraints apply to the fuse/fuse co-ordination practices:

- High fault current conditions may result in both fuse elements experiencing damage and thereby resulting in a loss of fuse/fuse co-ordination. This is also true for protection / fuse co-ordination in this time region (<70 ms to 100 ms), with the provision that the recloser will normally initiate a successful reclose under such conditions.
- The higher the upstream (i.e. “section-fuse”) fuse rating, the higher the probability of protection/section-fuse loss of co-ordination at low fault levels. While the use of section-fuses enables lower system capital expenditure, extensive systems with rapid phase fault current drop-off (and non-effectively earthed systems) may incur larger operating costs and customer disruption due to nuisance tripping.

- **Insulation co-ordination**

Insulation co-ordination is achieved when the insulation strengths of all components of the electricity system are adequate to withstand the electrical stresses of service within selected reliability margins.

Switching transients are usually ignored.

The three conditions that system components are designed to meet are.

- To withstand indefinitely the normal and maximum system operating voltages at supply frequency.
- To withstand temporary supply frequency over voltages up to the rated short duration power frequency withstand voltage.
- To withstand lightning impulse over voltages up to the rated withstand level.

Regarding the design considerations for supply frequency voltages and over voltages; the design, material, and specific creepage length of phase insulators influence the performance of a system.

SANS 60815 shall be used as the guide for the selection of phase insulators.

- **Induced voltages**

Induced voltages rarely exceed 200 kV with a maximum order of 250 kV. As the induced voltages in different phases are of similar amplitude and identical wave shape, flashovers between phases are not expected. Flashover to ground will occur if the insulation strength to ground is below that of the induced voltage.

- **Pole and cross-arm damage**

Most damage to line equipment is caused by the power arc that develops after flashover (0, 85 probability) however surges and flashover may also cause damage, especially to poles. The type and extent of damage that occurs depends on factors such as the moisture content and the arc penetration into the wood. Wood poles and cross-arms suffer the least damage when the arc can be restricted to the surface of the wood where superficial splintering may occur. This is achieved by not having a wood path gap in the earth wire of greater than 500mm and applying circumferential strapping at the termination points of the earth wire on either side of the gap.

- **Bonding**

The practice of electrically connecting all the hardware and insulator 'dead' ends is known as bonding.

In polluted environments small leakage currents may cause the burning of unbonded cross-arms and poles. Bonding the 'dead' ends of phase insulators and stay wires can prevent this. In the case of the longer cross-arms being used the bonding wire will also act as a BIL wire and prevent cross-arm splitting. Separate bonding designs are provided for all applicable structures. See D-DT-0310.

- **Stay insulators**

The insulation values of the conventional porcelain stay insulator are low. They may be considered as adding value to the system only in terms of providing protection to the public against leakage currents and providing very little additional surge insulation. For this reason strain structures are not fitted with BIL down wires. To achieve a high BIL on a strain structure

glass fibre stay insulators shall be used, or stays fitted in such a way that there is a suitable wood path in series.

- **Insulation co-ordination and line performance**

Typically, the following performance can be expected from lines insulated as follows:

a) High BIL lines. (1 MV to 2 MV)

- Low incidence of flashover and protection operations.
- High stress on terminal equipment
- Infrequent extended outages due to pole and cross-arm damage.

b) Low BIL lines (<200 kV)

- High incidence of flashover and protection operations.
- Lower stress on terminal equipment
- Few extended outages due to pole or cross-arm damage.

c) BIL 300 kV

- Induced surges will not flashover
- Stress on terminal equipment reduced
- Moderate protection operations
- Little or no pole and cross-arm damage

The insulation which provides the best overall performance in a high lightning area has been proved on test sites to be between 200 kV BIL and 300 kV BIL. This allows direct strikes to flashover while containing induced surges. This BIL is achieved in the following way:

- On suspension/intermediate structures by the application of a BIL downwire and a 500 mm wood path; and
- On stayed structures this is due to the BIL of the long rod insulator, stay insulators and the position of the stays. On these structures the stay is acts as the BIL downwire.

Phase/phase and three-phase distribution

The structure designs and strength tables are for three-phase or two-phase (phase/phase) distribution systems. The phase/phase designs are optimised on the assumption that they will remain phase/phase. If an upgrade strategy is to be adopted on a line, phase/phase structures may not be used and three-phase structures of which only two phases are conductored must be used. In this case the three-phase structure designs and strength tables shall be used with either the centre or bottom phases not being conductored. The initial construction shall ensure that the upgrade exercise will not require the removal or moving of any existing stays, equipment or conductor ties.

Poles

Wood poles shall be used as the standard pole for overhead lines. Concrete poles may be used for special applications.

- Concrete poles are conductive to lightning surges and shall not be used in exposed rural areas with high lightning incidence. They are also more expensive than wood poles.
- Concrete poles shall be manufactured in accordance with DTC 0106 and designed in accordance with drawings D-DT-0001 to D-DT-0007 which can be found in 34-4,
- Wood-poles shall have fibre strength of at least 55 Mpa and shall be in accordance with DSP_34-1647, Rev 0.
- 75 Mpa poles may be used on condition the mechanical loading of the poles is calculated and approved by a suitably qualified engineer.
- CCA treated wood-poles shall not be used for rural lines. CCA treated wood-poles shall only be used in urban applications; and
- CCA treated wood cross-arms may be used in rural lines.

Insulators

- The post insulator length is 300 mm.
- The rod penetration depth for post insulators is 50 mm for a threaded rod and 35 mm for a swivel spindle.
- The post insulator weight is 5 kg.
- The distance from the pole to the base of the insulator is 70 mm when a swivel spindle is used.
- The distance between the base of the L-bracket and the pole top is 50 mm.
- The long rod insulator length is 450 mm
- The long rod insulator weight is 2 kg.
- For the vertical strain structure (0 to 5), the insulator has an angle of 10 to the horizontal plane.

Conductor tensions

An Eskom computer program, RSAT, is available on Eskom's internal WEB and the Internet.

This program shall be used to produce sag and tension tables.

Cigre studies are proving that the most effective way to determine tensions in undamped conductors is by considering the tension divided by mass per unit length constant or 'C' value. In accordance with hist study, RSAT utilises a 'C' value of 1425 for ACSR and AAAC conductors. Lines constructed using the information in these tables will not require dampers. Extra strength ACSR 'C' value is set at 2712 and steel wire at 2242. These 'C' values have been chosen to reduce the risk of conductor fatigue without using dampers. If lines are designed for special applications exceeding these 'C' values, damping shall be considered. Over and above the 'C' values RSAT design tensions are limited to the OHS Act design limits of 40 % of UTS on final tension and 50 % of UTS for initial tension (stringing).

Joins and connections

- All joints and connections shall be the compression type and shall comply with the requirements of
- DSP0035, Rev 3:
- Only persons who have passed Eskom approved compression jointing training and have proof of this are permitted to perform this work on the overhead power lines network.
- No joints shall be placed in crossing spans.
- Joints shall, as far as possible, be made in the middle third of a span. No joint shall be placed within 20m of a structure.

Clearance for shared services on Eskom structures

The minimum midspan clearance for shared services on Eskom structures shall be:

- not less than 0,2 m between insulated LV power cables and telecommunication cables,
- not less than 1,5 m between bare MV power conductors and telecommunication cables at the worst conditions of sag; and
- Telkom ground clearances.
 - over roads6,1 m;
 - along roads in towns, 3,7 m; and
 - along roads outside towns, 3,0 m.

Note:

Clearances shall be determined for a minimum power conductor temperature of 50 °C and a swing angle corresponding to a wind pressure of 700 Pa. In applications where the power conductor may operate at a temperature above 50°C, that temperature shall be used to calculate the sag and clearances of the power conductor. In the case of telecommunication lines a maximum temperature of 30°C shall be used for the Telkom sag calculation.

Live bare conductor

Only authorised live line personnel shall be permitted to work on live, bare conductors.

Crossings

Crossings shall comply with section 20 of the Electrical Machinery Regulations of the OHS Act.

Scope

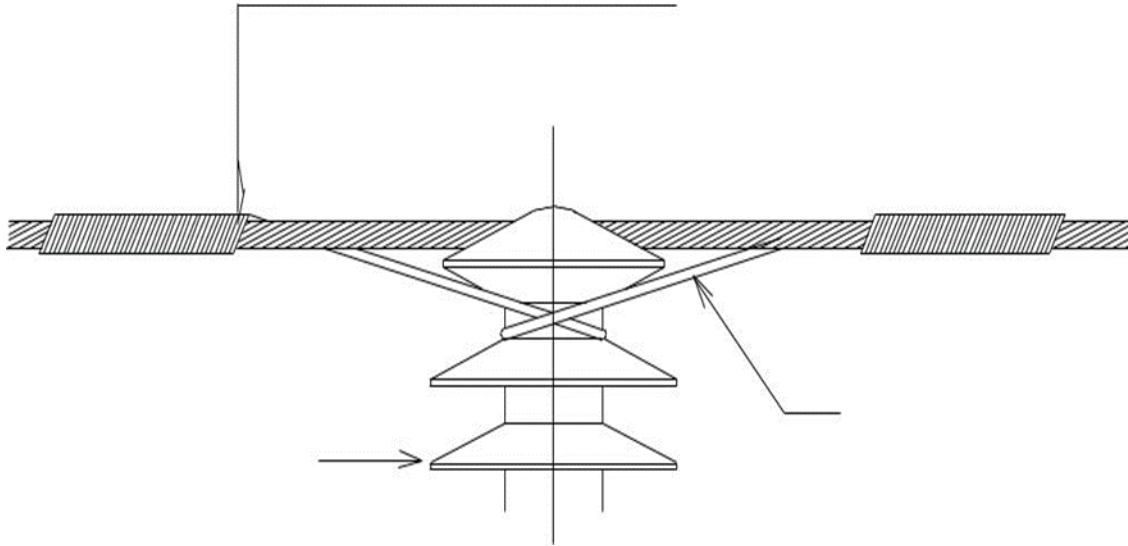
This Appendix covers overhead power line crossings of proclaimed roads, railway lines, tramways and important communication lines, and shall be read in conjunction with the undermentioned regulations.

Regulations

Regulations 14, 15, 16, 17, 18, 20 and 22 as stated in the Electrical Machinery Regulations of the Occupational Health and Safety Act 1993 (Act No. 85 of 1993) shall apply

Helically formed products conductor and application sketches

Figure 1: Helically formed, armoured, road crossing twin tie for vertically mounted pin or post insulator



Purpose

The sketches listed above depict the most common crossing configurations. Should other configurations be used, it shall be borne in mind that the main purpose of applying the above-mentioned precautions at crossings is to ensure that flashovers to overhead line conductors and hardware, adjacent to the crossing, will not jeopardise the integrity of the crossing span. The crossing span conductors shall not be lower than 4,5 m above ground in case of a broken phase conductor in a span other than the crossing span as stipulated in the Occupational Health and Safety Act.

Cognisance of these precautionary requirements, and the Regulations detailed above, shall be taken into account when designing every crossing.

4. PRICING SCHEDULE

In addition to the table below, quotations must include the following:

- Call out Fee.
- Hourly labour rate - to run and manage (perform all Services) the Plant, including the cost of each Timesheet Hour to provide the Services.
- Travelling rate per kilometre
- Mark-up on parts

- Liability insurance consistent with industry standards.
- The price escalation shall be adjusted as per inflation rate as set by National Treasury (CPI Index).

The cost reflected should be for year one only thereafter a price escalation based on the CPI for each year will be entered into with the successful contractor:

ITEM NO	Unit preformed tasks/ materials	Quantity	Unit	Unit Price (VAT incl.)
1.	MV Cable Joints XLPE/PILC including Material (MIRP 01 and MIRP 02)			
1.1	Cable size 35mm ² x3c	1	Per joint	
1.2	Cable size 50mm ² x3c	1	Per joint	
1.3	Cable size 70mm ² x3c	1	Per joint	
1.4	Cable size 95mm ² x3c	1	Per joint	
1.5	Cable size 120mm ² x3c	1	Per joint	
1.6	Cable size 185mm ² x3c	1	Per joint	
1.7	Cable size 240mm ² x3c	1	Per joint	
1.8	Cable size 300mm ² x3c	1	Per joint	
2.	MV Cable Termination XLPE/PILC including material			
2.1	Cable size 35mm ² x3c	1	Per termination	
2.2	Cable size 50mm ² x3c	1	Per termination	
2.3	Cable size 70mm ² x3c	1	Per termination	

2.4	Cable size 95mm ² x3c	1	Per termination	
2.5	Cable size 120mm ² x3c	1	Per termination	
2.6	Cable size 185mm ² x3c	1	Per termination	
2.7	Cable size 240mm ² x3c	1	Per termination	
2.8	Cable size 300mm ² x3c	1	Per termination	
3	Low Voltage Cable Joints include material			
3.1	Cable Size 16mm ² x4c	1	Per joint	
3.2	Cable size 35mm ² x4c	1	Per joint	
3.3	Cable size 50mm ² x4c	1	Per joint	
3.4	Cable size 70mm ² x4c	1	Per joint	
3.5	Cable size 95mm ² x4c	1	Per joint	
3.6	Cable size 120mm ² x4c	1	Per joint	
3.7	Cable size 185mm ² x4c	1	Per joint	
4.	Pulling and Stringing of M/LV Cables and including tensioning of ABC, ACRS Conductors			
4.1	Cable size 35mm ² x3c MV	1	Per meter	

4.2	Cable size 50mm ² x3c MV	1	Per meter	
4.3	Cable size 70mm ² x3c MV	1	Per meter	
4.4	Cable size 95mm ² x3c MV	1	Per meter	
4.5	Cable size 120mm ² x3c MV	1	Per meter	
4.6	Cable size 185mm ² x3c MV	1	Per meter	
4.7	Cable size 240mm ² x3c MV	1	Per meter	
4.8	Cable size 300mm ² x3c MV	1	Per meter	
4.9	Cable size 35mm ² x3c	1	Per meter	
4.10	Cable size 50mm ² x3c	1	Per meter	
4.11	Cable size 70mm ² x3c	1	Per meter	
4.12	Cable size 95mm ² x3c	1	Per meter	
4.13	Cable size 120mm ² x3c	1	Per meter	
4.14	Cable size 185mm ² x3c	1	Per meter	
4.15	Cable size 240mm ² x3c	1	Per meter	
4.16	Cable size 300mm ² x3c	1	Per meter	
4.17	ABC 35mm ² x4core	1	Per meter	
4.18	ABC 70mm ² x4core	1	Per meter	
4.19	Mink OHL	1	Per meter	

ITEM NO	Unit preformed tasks/ materials	Quantity	Unit	Unit Price (VAT incl.)
4.20	Wolf OHL	1	Per meter	
4.21	Hare OHL	1	Per meter	
5.	Plant hire (6Ton-10Ton)- Installation of transformer 11KV/415V and digging of trenches and foundations			
5.1.	100 KVA transformer11kV/415	1	Per hour	
5.2	200 KVA transformer11kV/415	1	Per hour	
5.3	315 KVA transformer11kV/415	1	Per hour	
5.4	200kVA 11kV/400V Minisub	1	Per Hour	
5.5	315kVA 11kV/400V Minisub	1	Per hour	
5.6	500kVA 11kV/400V Minisub	1	Per hour	
5.7	630kVA 11kV/400V Minisub	1	Per hour	
6.	Replacement/Planting of both LV and MV line treated poles			
6.1	7 m intermediate treated wooden poles (including	1	each	

	miscellaneous material)			
6.2	7m strain treated wooden poles (including miscellaneous material)	1	each	
6.3	9m intermediate treated wooden pole (including miscellaneous material)	1	each	
6.4	9m strain treated wooden pole (including miscellaneous material)	1	each	
6.5	11m intermediate treated wooden pole (including miscellaneous material)	1	each	
6.6	11m strain treated wooden pole (including miscellaneous material)	1	each	
6.7	12m intermediate treated wooden pole (including miscellaneous material)	1	each	
6.8	12m strain treated wooden pole (including miscellaneous material)	1	each	

ITEM NO	Unit preformed tasks/ materials	Quantity	Unit	Unit Price (VAT Incl.)
6.9	14m intermediate treated wooden pole (including miscellaneous material)	1	each	
6.10	14m strain treated wooden pole (including miscellaneous material)	1	each	
7.	Installation of Distribution Fuse Links and Housings			
	7.1 Way	1	each	
	7.1 S&C Type XS Fuse	1	each	
8	Installation of Distribution Tamperproof kiosk and Enclosure			
	8.1 Way	1	each	
9.	MV/LV Cable fault location (11/22KV)			
9.1	Paper LED cable	1 Fault	each	
9.2	XLPE (PEX)	1 Fault	each	

SUB-TOTAL			
VAT 15%			
TOTAL			

The project cost must be inclusive of all chargeable costs to SANParks as SANParks will not pay any amount outside the quoted amount. The park reserves the right to negotiate the project cost.

5. LOCATION OF WORKS

The services will be rendered at the site listed below within the Tsitsikamma sections of Garden Route National Park.

Storms River Mouth Rest Camp

SITE	CO-ORDINATES
Paul Sauer Hoek	33°56'47.67"S 23°37'32.90"E
Oceanettes	
Niklaas/Swimming pool	
Boat House	
Fat trap at restaurant	
Small tank at restaurant	
Petrusville staff complex	
Guesthouse 1	
Guesthouse 2	
16A and B	
Chalet 21	
Otter trail ablution	
Main office complex	

Forestry – Storms River

SITE	CO-ORDINATES
Forestry Workshop	33°58'27.41"S 23°53'30.05"E
Main Office Staff accommodation	
Akerlaan staff accommodation	

Natures Valley

SITE	CO-ORDINATES
Main ablution	33°58'15.18"S 23°33'43.46" E
Staff accommodation	
Natures valley rest camp	

Bloukrans

SITE	CO-ORDINATES
Bloukrans office complex	34°01'07.66"S 23°58'20.46"E
Bloukrans staff accommodation	
Rugbos picnic site	

6. SPECIAL CONDITIONS

- All bidders must comply with current Covid-19 regulations as set out by the department of labour. SANParks reserves the right to request written confirmation of compliance and or supporting documents as part of the bid evaluation process.
- Good quality equipment and adequately trained/skilled staff are required for this work as per the applicable legislation.
- The service provider must have a safety file and at all times comply with the conditions of the Occupational Health and Safety (OHS) Act, regulations and standards and must also comply with the Environmental Regulations and standards as set out in the FSC audit as follows:
 - Avoid biohazard spillage; all spillages must be cleaned/removed as per the required standards.
 - Ensure availability of biohazard spill kit.
 - Ensure use and appropriate equipment and PPE.
 - Avoid any engine and Hydraulic oil leakages
- Dumping sites for each site is indicated under each heading in the specifications above,
- The service provider is responsible for his own transport and accommodation arrangements.
- The supply of replacement parts and other goods provided to SANParks by successful bidder(s) in performing any services are subject prior approval by relevant park management
- Parts inventory shall be organized and maintained by the contractor's Service and Maintenance Team,
- Service Team technician must have access to these parts and be responsible to maintain an orderly and organized inventory,
- Contractors must have a Certificate of Compliance / (COC) compliant as per Department of labour regulations

- **Turn-around time for maintenance call-outs is three (3) hours,**
- **Bidders must be located within 250km from Storms River Mouth in order to attend to emergency call outs within 3 hours as mentioned above. Submit proof of business address, i.e. municipal rates account, property lease agreement.**

7. REQUIREMENTS

- The successful bidder(s) must be able to supply and deliver materials to the respective sites in order to complete the required job(s).
- The successful bidder(s) may not report to site unless there is a written instruction or a signed purchase order from the Tsitsikamma Technical Services Department.
- The successful bidder(s) shall attend to emergency breakdown call outs calls as and when required by the Tsitsikamma section of GRNP upon receiving an instruction as stated above
- It is expected of the contractor to have extra stock in possession for emergency repairs. The Service Provider shall adhere to the maintenance schedule provided by the Tsitsikamma section of Garden Route National Park for the maintenance thereof.
- The appointed service provider shall be expected to attend planned sectional meetings to report on progress on the work being executed.
- The appointed service shall ensure that records of all repairs and maintenance carried through the contract period is submitted to the Technical Service department upon completion of the purchase order and provide proof of daily call out attended (call out form).
- The contractor shall have his/her own store room, workshop or work offices. Under no circumstances will the park provide property for use of a service provider.
- The appointed service provider shall have a safety file in place on site at all times. Contractor should comply with safety standard as stipulated in the OHS Act No. 85 of 1993 and in line with the COVID-19 Regulations
- The appointed service provider must be able to transport their Team to and from sites.
 - The appointed service provider must be in possession/ have access to the following minimum plant (i.e. TLB, Crane Truck, Cherry Picker, Auger, Rock Drill and etc.) to be able to render required services
 - Under no circumstances will park's vehicles be utilized for the above mentioned.
- Contractor's staff will be required to comply with a procedure manual when dealing with clients/guests.
- The Contractor must issue identity cards for his/her Team and shall produce such identity cards when requested by clients/guests
- Any revisions of additions to the Standard Code of Conduct, Park By-Laws and Health Safety Rules from time to time will also be applicable to this Contract.

- All contractor's staff must undergo screening for the COVID-19 before entering the park
- The requirements of the Occupational Health and Safety Act, Act 85 of 1993, (OHS Act) and all subsequent amendments and regulations shall be observed and adhered to except where exemption has been obtained from the Chief Factories Inspector.
 - If any text or drawings in the standard are in conflict with the OHS Act and no exemption has been obtained, the OHS Act requirements shall take precedence over the standard.

8. TIMELINES

Successful bidders will be required to be available for executing the contract as soon as possible. SANParks reserves the right to cancel the Purchase Order should the service provider fail to perform as per the contract.

9. FINANCIAL PAYMENT

Payment will be made in accordance to the PFMA (within 30 days of receipt of valid invoice).

10. MINIMUM REQUIREMENTS COMPLIANCE RESPONSIVENESS CRITERIA (*Compliance to legislative and treasury requirements*)

In this phase all responses received will be verified for compliance and completeness of the submitted proposal per the below set of mandatory requirements.

- Submission of fully completed SBD1 (Invitation to Bid),
- Submission of fully completed SBD 4 (Declaration of Interest),
- Submission of fully completed SBD 6.1 (Preference Claim Certificate), accompanied by the original or certified B-BBEE Status Level Verification Certificate or original B-BBEE Sworn Affidavit,
- Submission of fully completed SBD8 (Declaration of Bidders Past SCM Practice),
- Submission of fully completed SBD9 (Certificate of Independent Bid Determination),
- Proof of registration with National Treasury Central Supplier Database (CSD).
- Submission of General Condition of a Contract (successful bidder(s)).

11. PREQUALIFICATION CRITERIA

Bidders must be registered with the Department of Labour (DoL) as an electrical contractor (valid proof must be attached to this bid). Failure to prove valid registration with DoL will result in your bid being non-responsive and thus disqualification from evaluation process

12. EVALUATION CRITERIA AND WEIGHTING

This bid will be evaluated using a 2 phased system where Phase 1 will be Functionality and Phase 2 Price and B-BBEE. Bidders who fail to meet the minimum qualifying score 60% will not be evaluated further for Price and B-BBEE. The 80/20 Preference Points system as prescribed by the

Preferential Procurement Regulations, 2011 will be used in Phase 2. Points on phase 1 will be allocated as follows:

	CRITERIA	WEIGHTING
1.	Company years of experience in electrical services	20
2.	Methodology (Proposed Strategy for MV and LV network maintenance)	30
3.	Capacity (staff/team - electricians) available to service the park in relation to the project	30
4.	Plant and Equipment	20
GRAND TOTAL		100

Provide proof of evidence for all claims made for points to be allocated. No points will be allocated if prove of evidence is not attached in the bid proposal.

FUNCTIONALITY RESPONSIVENESS CRITERIA APPLICABLE FOR THIS BID

No	Functionality criteria	Weighting factors	Points	Documents to be submitted for evaluation purposes	Points allocation
1	Company years of experience in LV-MV electrical services.	20	5	<p>Bidders to prove the years in which they have been rendering or currently executing electrical services by means of attaching one or all of the following with dates:</p> <ul style="list-style-type: none"> • Signed Contract • Purchase order • Appointment letter • Reference Letters <p>NB: Reference letter not complying with <u>ALL</u> the following will not be considered for evaluation:</p> <ul style="list-style-type: none"> a) Reference letter must be on the <u>Company letterhead</u> b) Indicating <u>type of security services rendered</u>; c) <u>Period of the contract</u>; (uninterrupted 12 months or more contract period); d) The <u>rated level of service</u> (good, satisfactory, excellent, etc.); and e) <u>Signed</u> by the client. 	<p>1 = Less than one (1) year in rendering low – medium voltage electrical services.</p> <p>2= More than one (1) year but less than three (3) years in rendering low – medium voltage electrical services.</p> <p>3 = More than three (3) years but less than five (5) years in rendering low – medium voltage electrical services.</p> <p>4 = More than five (5) years but less than ten (10) years in rendering low – medium voltage electrical services.</p> <p>5 = More than ten (10) years in low – medium voltage electrical services.</p>

No	Functionality criteria	Weighting factors	Points	Documents to be submitted for evaluation purposes	Points allocation
2	Methodology	30	5	<u>Scoring of the Methodology</u> - Company has demonstrated an understanding of the contract in terms of requirements and scope of the bid	1 = bidder has provided a vague maintenance strategy of how the work will be executed
				NB: Submit written proposal strategy for both overhead and underground medium voltage and low voltage reticulation maintenance including, but not limited to, Establishment of Site, Safety Plan, Project Execution Strategy, Communication with Stakeholders, Project Planning and Execution, Validation (Testing), Product Installation, and Future Failure Prevention Measures	3 = bidder has provided a maintenance strategy however it does not include all requirements as set out below
					5 = bidder has provided a clear maintenance strategy including Establishment of Site, Safety Plan, Project Execution Strategy, Communication with Stakeholders, Project Planning and Execution, Validation (Testing), Product Installation, and Future Failure Prevention Measures

No	Functionality criteria	Weighting factors	Points	Documents to be submitted for evaluation purposes	Points allocation
3	Capacity (staff / team - electricians) available to service the park in relation to the project	30	5	<u>Scoring of the Capacity</u> - Company has capacity to deliver in terms of the requirements of the bid. NB: Certified proof of qualifications and registration certificates must be provided	3 = staff is qualified and is in possession of either N3-N6 or equivalent and is in possession of a trade test certificate
					4 = staff is qualified and is in possession of either Electrical Engineering Degree or Post Graduate Electrical Engineering Degree
					5 = 1 or more of the staff is registered with Regulatory Institution (ECSA); and 1 more of the staff is a qualified and registered Health and Safety Officer

No	Functionality criteria	Weighting factors	Points	Documents to be submitted for evaluation purposes	Points allocation
3	Capacity (Plant & Equipment) available to service the park in relation to the project	20	5	<u>Scoring of the Capacity</u> - Company has capacity to deliver in terms of the requirements of the bid. NB: proof of registration certificates or lease agreement must be provided	1 = bidder did not provide proof ownership or lease of a TLB; Aerial platform truck; truck-drill auger; and crane
					5 = bidder provided proof ownership or lease of a TLB; Aerial platform truck; truck-drill auger; and crane

Phase 2 will be evaluated using the 80/20 preference points system in accordance with the PPPFA guidelines for only those bidders who have scored a minimum of 60% on Phase 1.

Based on this system the points will be allocated as follows:

Criteria	Points
Price	80
Participation Goals/BEE	20
Total	100

13. EVALUATION FORMULA FOR PRICE

The following formula will be applied to calculate the scores:

Price Formula

The following PPPFA formula was used to evaluate the price proposals submitted by bidders, this formula was used because price was the only criterion that was scored i.e. the whole 80 points were allocated to price.

$$PS = 80 \left(1 - \frac{Pt - Pmin}{Pmin} \right)$$

Pmin

Ps = Points scored for price of the bid under consideration.

Pt = Rand value of bid under consideration.

Pmin = Rand value of lowest acceptable bid

14. FINAL AWARD

Bidder who complies with the specifications and scores highest total points on PRICE and B-BBEE claimed points shall be awarded the contract. SANParks reserves the right to:

- Award the contract in full or partially
- Award to more than one bidder, and/or
- Not to award
- Re-advertise should the minimum of three written quotations not be received

PREFERENCE POINTS CLAIMED (SBD 6.1)

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

10.1 GENERAL CONDITIONS

10.1.1 The following preference point systems are applicable to this bid:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and

10.1.2

a) The value of this bid is estimated to **not exceed** R50 000 000 (all applicable taxes included) and therefore the **80/20** preference point system shall be applicable

10.1.3 Points for this bid shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contributor.

10.1.4 The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTOR	20
Total points for Price and B-BBEE must not exceed	100

10.1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

10.1.6 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

10.2 DEFINITIONS

- (a) **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (b) **“B-BBEE status level of contributor”** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (c) **“bid”** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals;
- (d) **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);

- (e) **“EME”** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (f) **“functionality”** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- (g) **“prices”** includes all applicable taxes less all unconditional discounts;
- (h) **“proof of B-BBEE status level of contributor”** means:

1)	certificate issued by an authorized body or person;	B-BBEE Status level
2)	prescribed by the B-BBEE Codes of Good Practice;	A sworn affidavit as
3)	prescribed in terms of the B-BBEE Act;	Any other requirement
- (i) **“QSE”** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (j) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

10.3 POINTS AWARDED FOR PRICE

10.3.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

80/20

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

P_s = Points scored for price of bid under consideration

P_t = Price of bid under consideration

P_{\min} = Price of lowest acceptable bid

10.4 POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR

- 10.4.1 In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (80/20 system)
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

10.5 BID DECLARATION

10.5.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

10.6 B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 4.1

10.6.1 B-BBEE Status Level of Contributor: =(maximum of 10 or 20 points)
 (Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

10.7 SUB-CONTRACTING

10.7.1 Will any portion of the contract be sub-contracted?

(Tick applicable box)

YES		NO	
-----	--	----	--

10.7.2 If yes, indicate:

- i) What percentage of the contract will be subcontracted.....%
- ii) The name of the sub-contractor.....
- iii) The B-BBEE status level of the sub-contractor.....
- iv) Whether the sub-contractor is an EME or QSE

(Tick applicable box)

YES		NO	
-----	--	----	--

v) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations,2017:

Designated Group: An EME or QSE which is at least 51% owned by:	EME √	QSE √
Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

10.8 DECLARATION WITH REGARD TO COMPANY/FIRM

10.8.1 Name of company/firm:.....

10.8.2 VAT registration number:.....

10.8.3 Company registration number:.....

10.8.4 TYPE OF COMPANY/ FIRM

- Partnership/Joint Venture / Consortium
- One-person business/sole propriety
- Close corporation
- Company
- (Pty) Limited

[TICK APPLICABLE BOX]

10.8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

10.8.6 COMPANY CLASSIFICATION

- Manufacturer
- Supplier
- Professional service provider
- Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

10.8.7 Total number of years the company/firm has been in business:.....

10.8.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4

and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and forward the matter for criminal prosecution.

SBD 6.2 DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

This Standard Bidding Document (SBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2017, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

1.1. Preferential Procurement Regulations, 2017 (Regulation 8) make provision for the promotion of local production and content.

- 1.2. Regulation 8.(2) prescribes that in the case of designated sectors, organs of state must advertise such tenders with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for tenders referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

Where

x is the imported content in Rand

y is the bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) on the date of advertisement of the bid as indicated in paragraph 3.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on [http://www.thedti.gov.za/industrial development/ip.jsp](http://www.thedti.gov.za/industrial%20development/ip.jsp) at no cost.

- 1.6. A bid may be disqualified if this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation;

2. The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:

<u>Description of services, works or goods</u>	<u>Stipulated minimum threshold</u>
Electrical cables	90%

3. Does any portion of the goods or services offered have any imported content?

(Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

- 3.1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by SARB for the specific currency on the date of advertisement of the bid.

The relevant rates of exchange information is accessible on www.resbank.co.za

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders must submit proof of the SARB rate (s) of exchange used.

4. Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the AO/AA provide directives in this regard.

LOCAL CONTENT DECLARATION

(REFER TO ANNEX B OF SATS 1286:2011)

LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)

IN RESPECT OF BID NO.

ISSUED BY: (Procurement Authority / Name of Institution):
.....

NB

- 1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.
- 2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on http://www.thedti.gov.za/industrial_development/ip.jsp. Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, (full names),
do hereby declare, in my capacity as
of(name of bidder entity), the following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
 - (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
- (c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in

paragraph 3.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 3 above)	
Local content %, as calculated in terms of SATS 1286:2011	

If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above.

The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declaration D and E.

- (d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.
- (e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 14 of the Preferential Procurement Regulations, 2017 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

SIGNATURE: _____

WITNESS No. 1 _____

DATE: _____

WITNESS No. 2 _____

DATE: _____

DECLARATION OF INTEREST (SBD 4)

<p>Any legal person, including persons employed by the State¹, or persons having a kinship with persons employed by the State, including a blood relationship, may make an offer or offers in terms of this invitation to Bid (includes an advertised competitive Bid, a limited Bid, a proposal or written price quotation). In view of possible allegations of favouritism, should the resulting Bid, or part thereof, be awarded to persons employed by the State, or to persons connected with or related to them, it is required that the Bidder or his/her authorised representative, declare his/her position in relation to the evaluating/adjudicating authority where:</p>			
<ul style="list-style-type: none"> The Bidder is employed by the State; and/or 			
<ul style="list-style-type: none"> The legal person on whose behalf the Bidding Document is signed, has a relationship with persons/s person who is/are involved in the evaluation and or adjudication of the Bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and/or adjudication of the Bid. 			
<p>In order to give effect to the above, the following questionnaire must be completed and submitted with this Bid:</p>			
<ul style="list-style-type: none"> Full Name of Bidder or his/her representative 			
<ul style="list-style-type: none"> Identity Number: 			
<ul style="list-style-type: none"> Position occupied in the Company (director, trustee, shareholder², member): 			
<ul style="list-style-type: none"> Registration number of company, enterprise, close corporation, partnership agreement or trust: 			
<ul style="list-style-type: none"> Tax Reference Number: 			
<ul style="list-style-type: none"> VAT Registration Number: 			
<ul style="list-style-type: none"> The names of all directors/trustees/shareholders/members, their individual identity numbers, tax reference numbers and, if applicable, employee/PERSAL numbers must be indicated in a separate schedule including the following questions: 			
	Schedule attached with the above details for all directors/members/shareholders	Yes	No
	<ul style="list-style-type: none"> Are you or any person connected with the Bidder presently employed by the state? If so, furnish the following particulars in an attached schedule: 	Yes	No
	Name of person/ director/ trustee/ shareholder/member:		
	Name of state institution at which you or the person connected to the Bidder is		

	employed		
	Position occupied in the state institution		
	Any other particulars:		
<ul style="list-style-type: none"> If you are presently employed by the State, did you obtain the appropriate authority to undertake remunerative work outside employment in the public sector? If Yes, did you attach proof of such authority to the Bid document? If No, furnish reasons for non-submission of such proof as an attached schedule (Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the Bid.) 	Yes	No	
<ul style="list-style-type: none"> Did you or your spouse or any of the company's directors/ trustees /shareholders /members or their spouses conduct business with the State in the previous twelve months? If so, furnish particulars as an attached schedule: 	Yes	No	
<ul style="list-style-type: none"> Do you, or any person connected with the Bidder, have any relationship (family, friend, other) with a person employed by the State and who may be involved with the evaluation and or adjudication of this Bid? If so, furnish particulars as an attached schedule. 	Yes	No	
<ul style="list-style-type: none"> Are you, or any person connected with the Bidder, aware of any relationship (family, friend, other) between any other Bidder and any person employed by the State who may be involved with the evaluation and or adjudication of this Bid? If so, furnish particulars as an attached schedule: 	Yes	No	
<ul style="list-style-type: none"> Do you or any of the directors/ trustees/ shareholders/ members of the company have any interest in any other related companies whether or not they are bidding for this contract? If so, furnish particulars as an attached schedule: 	Yes	No	

DECLARATION OF BIDDER'S PAST SCM PRACTICES (SBD 8)

<ul style="list-style-type: none"> Is the Bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector? If Yes, furnish particulars as an attached schedule: 	Yes	No	
<ul style="list-style-type: none"> Is the Bidder or any of its directors listed on the Register for Tender Defaulters in terms of Section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? If Yes, furnish particulars as an attached schedule: 	Yes	No	
<ul style="list-style-type: none"> Was the Bidder or any of its directors convicted by a court of law (including a court outside of the Republic of South Africa) for fraud or corruption during the past five years? If Yes, furnish particulars as an attached schedule: 	Yes	No	
<ul style="list-style-type: none"> Was any contract between the Bidder and any organ of state terminated during the past five years on account of failure to perform on or comply with the contract? If Yes, furnish particulars as an attached schedule: 	Yes	No	

The Database of Restricted Suppliers and Register for Tender Defaulters resides on the National

Treasury's website (www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.

CERTIFICATE OF INDEPENDENT BID DETERMINATION (SBD 9)

<p>I, the undersigned, in submitting this Bid in response to the invitation for the Bid made by SOUTH AFRICAN NATIONAL PARK, do hereby make the following statements that I certify to be true and complete in every respect:</p>		
<ul style="list-style-type: none"> I have read and I understand the contents of this Certificate; 	Yes	No
<ul style="list-style-type: none"> I understand that the Bid will be disqualified if this Certificate is found not to be true and complete in every respect; 	Yes	No
<ul style="list-style-type: none"> I am authorised by the Bidder to sign this Certificate, and to submit the Bid, on behalf of the Bidder; 	Yes	No
<ul style="list-style-type: none"> Each person whose signature appears on the Bid has been authorised by the Bidder to determine the terms of, and to sign, the Bid on behalf of the Bidder; 	Yes	No
<p>For the purposes of this Certificate and the accompanying Bid, I understand that the word "competitor" shall include any individual or organisation, other than the Bidder, whether or not affiliated with the Bidder, who:</p> <ul style="list-style-type: none"> a) Has been requested to submit a Bid in response to this Bid invitation; b) Could potentially submit a Bid in response to this Bid invitation, based on their qualifications, abilities or experience; and c) Provides the same goods and services as the Bidder and/or is in the same line of business as the Bidder 		
<p>The Bidder has arrived at the accompanying Bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.</p>		
<p>In particular, without limiting the generality of paragraphs above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:</p> <ul style="list-style-type: none"> a) Prices; b) Geographical area where product or service will be rendered (market allocation); c) Methods, factors or formulas used to calculate prices; d) The intention or decision to submit or not to submit, a Bid; e) The submission of a Bid which does not meet the specifications and conditions of the Bid; or 		

f) Bidding with the intention not to win the Bid.

In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this Bid invitation relates.

The terms of this Bid have not been, and will not be, disclosed by the Bidder, directly or indirectly, to any competitor, prior to the date and time of the official Bid opening or of the awarding of the contract.

I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to Bids and contracts, Bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of Section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation

³ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

STANDARD BIDDING DOCUMENTS DECLARATION

The following documents are deemed to form and be read and construed as part of this agreement even where integrated in this document:

Declaration of Interest (SBD4)
National Treasury Central Supplier Database (CSD) Registration number
Proof of Registration on National Treasury Central Supplier Database (CSD)
Preference claims for Broad Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations 2017 (SBD6.1) Where a valid BBBEE Certificate is not on file with SANParks, please attach
General Conditions of Contract
Declaration of Bidder's past SCM practices (SBD8);
Certificate of Independent Bid Determination (SBD9)

The obligation to complete, duly sign, and submit these declarations included in the SBD declaration pack cannot be transferred to an external authorized representative, auditor, or any other third party acting on behalf of the legal entity.

I declare that I have had no participation in any collusive practices with any Bidder or any other person regarding this or any other procurement.

I certify that the information furnished in these declarations (Tax compliance status, SBD 4, SBD 6.1, SBD 8, SBD 9) is correct and I accept that SANParks may reject the Offer or act against me should these declarations prove to be false.

I confirm that I am duly authorised to sign this SBD declaration pack by the Chief Financial Officer or other legally responsible person nominated in writing by the Chief Executive or Senior Member/Person with management responsibility (Close Corporation, Partnership, or Individual)

NAME (PRINT)	
CAPACITY	
SIGNATURE	
NAME OF FIRM	
DATE	

WITNESSES	
1	_____
2	_____
Date	_____