

Request for Proposal: Appointment of supplier for Supply and delivery of cables on an “as and when required basis” for the period of 36 months in the Western Cape Region

Tender number: 04/2024/CTN/INFRA



ANNEXURE 3

FORM-C

FORM C: TENDER FORM

CURRENT TENDER DETAILS

Request number: **04/2024/CTN/INFRA**

Request for Tender: Appointment of supplier for Supply and delivery of cables on an “as and when required basis” for the period of 36 months in the Western Cape Region

I / We _____

(Insert Name of Tendering Entity)

of _____

(Full address)

Conducting business under the style or title of:

Represented by:

in my capacity as:

being duly authorised thereto by a Resolution of the Board of Directors / Certificate of Partners, Members or Participants, as the case may be, dated _____, a certified copy of which is annexed hereto, hereby offer to undertake and complete the above-mentioned work (hereinafter called “the WORKS”) at the prices quoted in the bills of quantities / schedule of quantities or, where these do not form part of the contract, at a lump sum, in accordance with the terms set forth in the accompanying letter(s) reference _____ and dated _____ (if any) and the documents listed in the accompanying schedule of tender documents for the sum of R _____

_____ (amount in words),

(All applicable taxes included)

N.B. (i) In the event of any discrepancy, the amount in words will take precedence over the amount in figures.

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- (ii) Where items in the priced bills of quantities submitted with the tender for the WORKS other than architectural building work are incorrectly extended arithmetically, the unit rate will be treated as decisive.
- (iii) In tenders for architectural building work the total amount will be treated as decisive. If amounts for individual items cannot be reconciled with the total amount, the amounts for individual items shall be adjusted to the satisfaction of the PRASA to conform to the total amount.

I / We accept that unless the PRASA should otherwise decide and so inform me / us in the notice of acceptance, this tender (and, if any, its covering letter and any subsequent exchange of correspondence together with the PRASA acceptance thereof) shall constitute a binding contract between the PRASA and me / us. Should the PRASA decide that a formal contract should be signed and so inform me / us in the notice of acceptance, this tender (and, if any, its covering letter and any subsequent exchange of correspondence) together with the PRASA notice of acceptance, shall constitute a binding contract between the PRASA and me / us until the formal contract is signed.

I / We undertake to produce acceptable documentary proof of the necessary coverage for Workmen's Compensation, Securities and Insurance within **30 (thirty)** working days of notification of awarding of the contract, and to sign a formal contract if called upon by the PRASA to do so within **7 (seven)** working days of notification by the PRASA that the contract documents are ready for signature, failing which I / we accept that the PRASA may, in its sole discretion, withhold any payments due for work done until such time as these formalities have been completed.

I / We undertake to complete the whole of the WORKS within **36 MONTHS** (in words) from the date of notification to me / us of acceptance of the tender, subject to completion in stages if and as laid down in the project specification and to such extensions of time as may be granted. Failing completion of the WORKS or any stage of the WORKS within the period(s) stipulated or by such extended date(s) as may be allowed by the PRASA I / we shall pay to the PRASA in terms of the Conventional Penalties Act 15 of 1962, the penalty for which provision is made in the project specification. The ordering of any alterations, extras, additions, or omissions shall not in any way prejudice the PRASA claim for such penalty.

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Application for relief from the obligation to pay a penalty will be considered by the PRASA but shall be granted only if I / we can prove to the reasonable satisfaction of the PRASA that the penalty is out of proportion to the prejudice suffered by the PRASA by reason of the act or omission in respect of which the penalty was stipulated.

I / We declare that this tender holds good until 20.....

(a minimum period of 120 days from closing date is required).

I / We further agree that if, after I / we have been notified of the acceptance of my / our tender, I / we fail to enter into a formal contract if called upon to do so, or fail to furnish satisfactory security for the due and proper completion of the WORKS, the PRASA may, without prejudice to any other legal remedy which it may have, recover from me / us any expense to which it may have been put in calling for tenders afresh and / or having to accept any less favourable tender.

I / We declare that being a company / partnership / close corporation / joint venture, I / we have duly completed the annexe hereto and certified it as correct.

The several documents involved are to be taken as complementary to each other. In the event of any conflict between the content of any of the documents listed in the schedule of tender documents (other than the project specification) and the project specification, the latter shall prevail. In the event of any conflict between the letter that accompanies the tender or other relevant correspondence, and the contents of the documents listed in the schedule of tender documents (including the project specification) such letter or correspondence shall prevail.

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THUS, DONE and SIGNED at _____

on this _____ day of _____

DULY AUTHORISED SIGNATORY(IES)

WITNESSES

1. _____	1. _____
2. _____	2. _____
3. _____	3. _____

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FORM C PRICING SCHEDULE - PRICING

1 PRICING

- a. A bill of quantities is part of the contract and included in Annexure 3 Form C
- b. **Very important!** All prices in the BOQ should include VAT at the end.
- c. The Contractor shall therefore tender on a “As and When” basis to perform a supply and delivery as described in the Scope of Work, on request from PRASA or their duly elected representatives in the relevant region.
- d. The prices quoted for should include delivery / courier costs. **No additional payment will be made for delivery / courier costs.**
- e. If a tenderer leaves any item/s blank which are materially important for the award of the contract/business or fails to tender in an amount expressed or calculable in Rands and cents (e.g. total amount, unit price, and hourly rate), Metrorail reserves the right to disqualify such a tender.
- f. It will be assumed that rates included in the Bill of Rates are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders. (Refer to www.stanza.org.za or www.iso.org for information on standards).

The Tenderer shall enter each rate or lump sum for each item in the Pricing Schedule in **BLACK INK**.

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1	M00001657	CABLE, POWER, ELECTRICAL: VOLTAGE RATING: 6.35/11 KV, CONDUCTOR SIZE: 35 MM2, CORE QUANTITY: 3, FEATURES: XLPE-INSULATED, INDIVIDUALLY SCREENED CORES, STEEL GALV WIRE ARMoured: GRADE PVC AND GRAPHITE COATED STRANDED COPPER CONDUCTORS, EXTRUDED BEDDING, OUTER SHEATH TO BE INSULATED. IEC 60502-2 or SABS 6622	M	1000							
2	M00043106	CABLE, POWER, ELECTRICAL: VOLTAGE RATING: 600/1000 V, CONDUCTOR SIZE: 16 MM2, CORE QUANTITY: 4, FEATURES: STRANDED COPPER CONDUCTORS, PVC INSULATED: PVC BEDDED. ECC/SWA PVC SHEATHED. 061012338 EQUIPMENT USED ON EL&P SPECIFICATION NUMBER SABS 1507	M	500							
3	M00004628	CABLE, POWER, ELECTRICAL: VOLTAGE RATING: 3.8/6.6 KV, CONDUCTOR SIZE: 500 MM2, CORE QUANTITY: 1, FEATURES: LG 300M, COPPER CONDUCTOR XLPE INSULATED M, PACKAGE TYPE: DRUM WOODEN: TYPE A WITH INDIVIDUALLY COPPER TAPE SCREENED CORE, ARMOUR AND SHEATH IEC 60502.	M	500							
4	M00046759	WIRE, ELECTRICAL: TYPE: BONDING, CONDUCTOR SIZE: 97 MM2, DIMENSIONS: LG 500 M, OVERALL DIAMETER: 13 MM, CONDUCTOR MATERIAL: GS, PACKAGE TYPE: DRUM WOOD STANDARD: STRANDING 49/1,6 MM. PVC SHEATHED. EQUIPMENT USED ON OHTE, SPECIFICATION NUMBER: S USERS DESCRIPTION NEGATIVE RETURN SANS 1339.	M	500							

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5	M00023183	CABLE, SPECIAL PURPOSE, ELECTRICAL: VOLTAGE RATING: 600/1000 V, CONDUCTOR ARRANGEMENT: 3; E, CONDUCTOR SIZE: 2.5 MM2, CONDUCTOR MATERIAL: CU SOLID ANNEALED UNTINNED: WHITE PVC SHEATHED. SURFIX OR EQUAL.PVC INSULATED. PVC BEDDED, BARE TINNED COPPER EARTH WIRE IN CONTACT WITH ALUMINIUM FOIL TA SANS1507.	M	100							
6	M00074572	CABLE, POWER, ELECTRICAL: VOLTAGE RATING: 600/1000 V, CONDUCTOR SIZE: 25 MM2, CORE QUANTITY: 4, FEATURES: STRANDED COPPER CONDUCTORS, PVC INSULATED: PVC INSULATED, PVC BEDDED. ECC/SWA, PVC SHEATHED.EQUIPMENT USED ON EL&P SPECIFICATION NUMBER SABS 1507.	M	500							
7	M00046457	CABLE, POWER, ELECTRICAL: (NEGATIVE) 600/1000 VOLTS 500 SQ MM SINGLE CORE, STRANDED ANNEALED COPPER CONDUCTOR PVC INSULATED PVC SHEATHED "BLACK" SUPPLY ONLY IN 300 METER DRUMS, SPECIFICATION NUMBER: SANS 1507 OF 2002 BBC 0198 (VERSION 1) 2005/09/05, EQUIPMENT USED ON SANS 1507.	M	300							
8	M00052529	CABLE, POWER, ELECTRICAL: SURFEX 6MM 4 CORE AND EARTH WHITE PC SOLID PVC PROTECTED INTERNAL ALUMINIUM SHEATH	M	100							
9	M00063346	CABLE, POWER, ELECTRICAL: TYPE: SURFEX, VOLTAGE RATING: 300/500 V, CONDUCTOR SIZE: 2.5 MM2, CORE QUANTITY 2: AND EARTH PC SOLID PVC INSULATED ALUMINIUM SHEATH INSIDE	M	100							

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10	M00032565	CABLE, POWER, ELECTRICAL: TYPE: HOUSE WIRE VOLTAGE RATING: 600/1000 V, CONDUCTOR SIZE: 2.5 MM2, CORE QUANTITY: 1: PVC INSULATED COLOUR: RED CONDUCTOR: ANNEALED COPPER CLASS 2 STRANDED SANS 10142-2.	M	100							
11	M00001681	CABLE, POWER, ELECTRICAL: TYPE: HOUSE WIRE VOLTAGE RATING: 600/1000 V, CONDUCTOR SIZE: 2.5 MM2, CORE QUANTITY: 1: PVC INSULATED COLOUR: BLACK CONDUCTOR: ANNEALED COPPER CLASS 2 STRANDED SANS 10142-2	M	100							
12	M00104199	CABLE, POWER, ELECTRICAL: TYPE: HOUSE WIRE VOLTAGE RATING: 600/1000 V, CONDUCTOR SIZE: 2.5 MM2, CORE QUANTITY: 1: PVC INSULATED COLOUR: WHITE CONDUCTOR: ANNEALED COPPER CLASS 2 STRANDED SANS 10142-2	M	100							
13	M00053599	CABLE, POWER, ELECTRICAL: TYPE: HOUSE WIRE VOLTAGE RATING: 600/1000 V, CONDUCTOR SIZE: 2.5 MM2, CORE QUANTITY: 1: PVC INSULATED COLOUR: BLUE CONDUCTOR: ANNEALED COPPER CLASS 2 STRANDED SANS 10142-2	M	100							
14	M00043105	CABLE, POWER, ELECTRICAL: VOLTAGE RATING: 600/1000 V, CONDUCTOR SIZE: 4 MM2, CORE QUANTITY: 4, FEATURES: STRANDED COPPER CONDUCTORS, PVC INSULATED: PVC BEDDED. ECC/SWA, PVC SHEATHED. 061012302 EQUIPMENT USED ON EL&P SPECIFICATION NUMBER SABS 1507	M	100							
15	M00033042	CABLE, POWER, ELECTRICAL: VOLTAGE RATING: 600/1000 V, CONDUCTOR SIZE:	M	100							

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		35 MM2, CORE QUANTITY: 4, FEATURES: STRANDED COPPER CONDUCTORS, PVC INSULATED: PVC BEDDED. ECC/SWA, PVC SHEATHED.EQUIPMENT USED ON EL&P SPECIFICATION NUMBER SABS 1507.									
16	M00000717	WIRE, ELECTRICAL: TYPE: SINGLE CORE, CONDUCTOR SIZE: 35 MM2: FLEXIBLE WELDING CABLE IN ACCORDANCE WITH SABS 1576/1993, EQUIPMENT USED ON EL AND P SANS 10142-2.	M	300							
17	M00063604	WIRE, ELECTRICAL: TYPE: SINGLE CORE, CONDUCTOR SIZE: 95 MM2: FLEXIBLE WELDING CABLE, IN ACCORDANCE WITH TRANSNET SPECIFICATION, EQUIPMENT USED ON EL AND P SPECIFICATION NUMBER CEE-C1D-8/LATEST SABS 1507.	M	500							
18	M00010923	WIRE, ELECTRICAL; TYPE CATENARY, CONDUCTOR SIZE 80 MM2, DIMENSIONS LG 1000 M, PACKAGE TYPE DRUM WOOD STANDARD, CONDUCTOR MATERIAL CU HARD DRAWN	M	500							
19	M00046759	WIRE, ELECTRICAL; TYPE BONDING, CONDUCTOR SIZE 97 MM2, DIMENSIONS LG 500 M, PACKAGE TYPE DRUM WOOD STANDARD, OVERALL DIAMETER 13 MM, CONDUCTOR MATERIAL GS; STRANDING 49/1,6 MM. PVC SHEATHED. EQUIPMENT USED ON OHTE SABS 1507.	M	500							

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20	M00010924	WIRE, ELECTRICAL; CONDUCTOR SIZE 161 MM2, DIMENSIONS LG 1830 M, FEATURES AN INSPECTION CERTIFICATE IS REQUIRED WITH THE DELIVERY OF MATERIAL AT OUR METRORAIL STORE, PACKAGE TYPE DRUM WOOD STANDARD, CONDUCTOR MATERIAL CU HARD DRAWN; CONTACT, GROOVED IMPRINTING, AS WAS AGREED BETWEEN METRO RAIL AND THE CONTRACTOR.COMPLETE WITH BRASS INSERT SANS 121.	M	7320							
21	M00021405	WIRE, ELECTRICAL; CONDUCTOR SIZE 161 MM2, DIMENSIONS LG 915 M, PACKAGE TYPE DRUM WOOD STANDARD, CONDUCTOR MATERIAL CU HARD DRAWN; CONTACT, GROOVED.IMPRINTING, TO BE AS WAS AGREED BETWEEN METRORAIL AND THE CONTRACTOR.COMPLETE WITH BRASS INSERT SABS 1507.	M	915							
22	M00052631	WIRE, ELECTRICAL; TYPE CATENARY, CONDUCTOR SIZE 80 MM2, DIMENSIONS LG 2000 M, PACKAGE TYPE DRUM WOOD STANDARD, CONDUCTOR MATERIAL CU HARD DRAWN SANS 97.	M	600							
23	M00010565	WIRE, ELECTRICAL; TYPE DROPPER, OVERALL DIAMETER 4 MM, CONDUCTOR MATERIAL CU SOLID HARD DRAWN SABS 1507.	KG	2000							
24	M00021403	WIRE, ELECTRICAL; TYPE CATENARY, CONDUCTOR SIZE 250 MM2, DIMENSIONS LG 500 M, PACKAGE TYPE DRUM WOOD STANDARD, CONDUCTOR MATERIAL CU HARD DRAWN; AN INSPECTION CERTIFICATE IS REQUIRED WITH THE DELIVERY OF MATERIAL AT OUR METRORAIL STORES SABS 5467.	M	500							

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25	M00052295	WIRE ELCT; TYP CATENARY, CND 160 MM2.DIMENSIONS LG 1000 M, PACKAGE TYPE DRUM WOOD STANDARD, CONDUCTOR MATERIAL CU HARD DRAWN; AN INSPECTION CERTIFICATE IS REQUIRED WITH THE DELIVERY OF MATERIAL AT OUR METRORAIL STORES SABS 1507.	M	500							
26	M00042310	WIRE ELCT; TYP ALUMINIUM EARTH WIRE, CONDUCTOR SIZE 50 MM2, DIMENSIONS LG 1000 M, PACKAGE TYPE DRUM WOOD STANDARD, CONDUCTOR MATERIAL ALUMINIUM; AN INSPECTION CERTIFICATE IS REQUIRED WITH THE DELIVERY OF MATERIAL AT OUR METRORAIL STORES SABS 1507.	M	500							
27	M00063595	CORD, ELECTRICAL; VOLTAGE RATING 300/500 V, CORE QUANTITY 2, CONDUCTOR FINISH PVC INSULATED, COLOR CODING WHITE; 0.75 SQ MM, FLAT, FLEXIBLE, RIPCORDER, EQUIPMENT USED ON EL&P SPECIFICATION NUMBER SABS 150 TABLES M/N	M	1000							
28	M00107812	CABLE, POWER, ELECTRICAL; TYPE CABTYRE, COLOR black, FEATURES SABS 1507, PACKAGE TYPE 100M, CORE SIZE DESIGNATION 1MM, CORE QUANTITY 3	M	3000							
29	M00042557	CABLE, POWER, ELECTRICAL; CONDUCTOR SIZE 1.6 MM, FEATURES LG 650M, ANNEALED COPPER CONDUCTORS PVC INSULATED, ARMOURED M, PACKAGE TYPE DRUM, VOLTAGE RATING 600/1000 V, CORE QUANTITY 4; EQUIPMENT USED ON OUTDOOR USE SIG SPECIFICATION	M	3500							

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		NUMBER CSE-1164-001/LATEST CATEGORY X47									
30		CABLE, POWER, ELECTRICAL: TYPE: BUNDLE CONDUCTOR, VOLTAGE RATING: 11 KV, CONDUCTOR SIZE: 70 MM2, CORE QUANTITY+C32 3, FEATURES: AL: WITH 50 MM SQ G.S.W CATENARY XLPE INSULATED 500 METRE CONTINUOUS LENGTHS ON STANDARD WOODEN DRUMS RETICULATION UNDER BRIDGES ETC SABS1339 (ADAPTED)	M	1000							
31		CABLE, POWER, TELECOMMUNICATIONS: VOLTAGE RATING: 250/500 V, CONDUCTOR SIZE: 1.25 mm², CORE QUANTITY: 2 pair (QUAD), FEATURES: LG 500M, ANNEALED COPPER CONDUCTORS PVC INSULATED, ARMoured M, PACKAGE TYPE: DRUM: SPECIFICATIONS: APL Trunk type cable according to Transnet specification SCCA-4 , Outer Diameter 15.1mm	M	4000							
32		CABLE, POWER, TELECOMMUNICATIONS: VOLTAGE RATING: 250/500 V, CONDUCTOR SIZE: 1.25 mm², CORE QUANTITY: 4 pair , FEATURES: LG 500M, ANNEALED COPPER CONDUCTORS PVC INSULATED, ARMoured M, PACKAGE TYPE: DRUM: SPECIFICATIONS: 1.25mm² 4 pair APL Trunk type cable according to	M	3000							

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		Transnet specification SCCA-4 , Outer Diameter 23.1mm									
33		CABLE, POWER, TELECOMMUNICATIONS: VOLTAGE RATING: 250/500 V, CONDUCTOR SIZE: 1.25 mm², CORE QUANTITY: 10 pair (INDIVIDUALLY TWISTED), FEATURES: LG 500M, ANNEALED COPPER CONDUCTORS PVC INSULATED, ARMOURED M, PACKAGE TYPE: DRUM: SPECIFICATIONS:1.25mm² 10 pair APL Trunk type cable according to Transnet specification SCCA-4 , Outer Diameter 30.4mm	M	3000							
34		CABLE, POWER, TELECOMMUNICATIONS: VOLTAGE RATING: 250/500 V, CONDUCTOR SIZE: 1.25 mm², CORE QUANTITY: 15 pair (INDIVIDUALLY TWISTED), FEATURES: LG 500M, ANNEALED COPPER CONDUCTORS PVC INSULATED, ARMOURED M, PACKAGE TYPE: DRUM: SPECIFICATIONS:1.25mm² 15 pair APL Trunk type cable according to Transnet specification SCCA-4 , Outer Diameter 35.2mm	M	3000							

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35		CABLE, POWER, TELECOMMUNICATIONS: VOLTAGE RATING: 250/500 V, CONDUCTOR SIZE: 1.25 mm², CORE QUANTITY: 20 pair (INDIVIDUALLY TWISTED), FEATURES: LG 500M, ANNEALED COPPER CONDUCTORS PVC INSULATED, ARMOURED M, PACKAGE TYPE: DRUM: SPECIFICATIONS:1.25mm² 20 pair APL Trunk type cable according to Transnet specification SCCA-4 , Outer Diameter 40.0mm	M	3000							
36		CABLE, POWER, TELECOMMUNICATIONS: VOLTAGE RATING: 250/500 V, CONDUCTOR SIZE: 1.25 mm², CORE QUANTITY: 2 pair , FEATURES: LG 500M, ANNEALED COPPER CONDUCTORS PVC INSULATED, ARMOURED M, PACKAGE TYPE: DRUM: SPECIFICATIONS:2 Pair 1.25mm SCCA-5	M	1000							
37		CABLE, POWER, TELECOMMUNICATIONS: VOLTAGE RATING: 250/500 V, CONDUCTOR SIZE: 1.25 mm², CORE QUANTITY: 4 pair, FEATURES: LG 500M, ANNEALED COPPER CONDUCTORS PVC INSULATED, ARMOURED M, PACKAGE TYPE: DRUM: SPECIFICATIONS:4 Pair 1.25mm SCCA-5, Outer Diameter 17mm	M	2500							
38		CABLE, POWER, TELECOMMUNICATIONS: VOLTAGE RATING: 250/500 V, CONDUCTOR SIZE: 1.25 mm², CORE QUANTITY: 10 pair, FEATURES: LG 500M, ANNEALED COPPER CONDUCTORS PVC INSULATED, ARMOURED M, PACKAGE	M	3000							

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		TYPE: DRUM: SPECIFICATIONS:10 Pair 1.25mm SCCA-5, Outer Diameter 22.3mm									
39		CABLE, POWER, TELECOMMUNICATIONS: VOLTAGE RATING: 250/500 V, CONDUCTOR SIZE: 1.25 mm², CORE QUANTITY: 15 pair, FEATURES: LG 500M, ANNEALED COPPER CONDUCTORS PVC INSULATED, ARMoured M, PACKAGE TYPE: DRUM: SPECIFICATIONS:15 Pair 1.25mm SCCA-5, Outer Diameter 27.4mm	M	3000							
40		CABLE, POWER, TELECOMMUNICATIONS: VOLTAGE RATING: 250/500 V, CONDUCTOR SIZE: 1.25 mm², CORE QUANTITY: 20 pair, FEATURES: LG 500M, ANNEALED COPPER CONDUCTORS PVC INSULATED, ARMoured M, PACKAGE TYPE: DRUM: SPECIFICATIONS:20 Pair 1.25mm SCCA-5, Outer Diameter 29.5mm	M	2000							
41		CABLE, POWER, TELECOMMUNICATIONS: VOLTAGE RATING: 250/500 V, CONDUCTOR SIZE: 1.25 mm², CORE QUANTITY: 30 pair, FEATURES: LG 500M, ANNEALED COPPER CONDUCTORS PVC INSULATED, ARMoured M, PACKAGE TYPE: DRUM: SPECIFICATIONS:30 Pair 1.25mm SCCA-5, Outer Diameter mm	M	2000							

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	MATERIAL NR	CABLE SPECIFICATION	Unit of issue	Estimated Qty	Year 1 – Excl VAT	Year 1 – Including VAT	Year 2 – Excl VAT	Year 2 – Including VAT	Year 3 – Excl VAT	Year 3 – Excl VAT	Total amount (Excluding VAT)
42		CABLE, POWER, ELECTRICAL: VOLTAGE RATING: 600/1000 V, CONDUCTOR SIZE: 1.8mm², CORE QUANTITY: 4, FEATURES: LG 500M, ANNEALED COPPER CONDUCTORS PVC INSULATED, ARMOURED M, PACKAGE TYPE: DRUM: EQUIPMENT USED ON OUTDOOR USE SIG SPECIFICATION NUMBER CSE-1164-001	M	1000							
43		WIRE, ELECTRICAL; TYPE ALUMINIUM STEEL REINFORCED TIGER WIRE, CONDUCTOR SIZE 160 MM², DIMENSIONS LG 1000 M, PACKAGE TYPE DRUM WOOD STANDARD, CONDUCTOR MATERIAL ALUMINIUM REINFORCED WITH STEEL; AN INSPECTION CERTIFICATE IS REQUIRED WITH THE DELIVERY OF MATERIAL AT OUR METRORAIL STORES SABS 5467.	M	1000							
44	Overhead fiber optic cable (48 Core)	Fiber Type: Single Mode• Drum Length: 4KM • Cores:48 Core. • GRP/FRP –Glass Reinforced Plastic Central, PE over sheathed in certain cases.• LOOSE TUBE - PBT (Polybutylene Terephthalate) filled with Thixotropic PERIPHERAL STRENGTH – Aramid (Optimized Load transfer between Aramid and Sheath.• SHEATHING – Polyethylene (Black UV Resistance Sheath is Standard).• OPERATION TEMPERATURE RANGE: - 10°C to 70°C.• SAG AND TENSION CALCULATIONS - Span (up to 24F Normal sag (m) on 100m is 1.4	DRUM S	3							

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	MATERIAL NR	CABLE SPECIFICATION	Unit of issue	Estimated Qty	Year 1 – Excl VAT	Year 1 – Including VAT	Year 2 – Excl VAT	Year 2 – Including VAT	Year 3 – Excl VAT	Year 3 – Including VAT	Total amount (Excluding VAT)
45	Overhead fiber optic cable (24 Core)	<ul style="list-style-type: none"> • Fibre Type: Single Mode • Drum Length: 4KM • Cores:24 Core. • GRP/FRP –Glass Reinforced Plastic Central, PE over sheathed in certain cases. • LOOSE TUBE - PBT (Polybutylene Terephthalate) filled with Thixotropic PERIPHERAL STRENGTH – Aramid (Optimized Load transfer between Aramid and Sheath. • SHEATHING – Polyethylene (Black UV Resistance Sheath is Standard). • OPERATION TEMPERATURE RANGE: - 10°C to 70°C. • SAG AND TENSION CALCULATIONS - Span (up to 24F Normal sag (m) on 100m is 1.4 	DRUM S	3							
46	Underground fibre optic cable (48 core)	<ul style="list-style-type: none"> • Specification: ITU-T G.652.D/G.657.A1 • Fibre Type: 48 core single mode • Drum length: 4KM • Armour: Corrugated Steel Tape • Application: Direct Buried, Trench and Duct Installation • Cable diameter (nominal): 17.2mm • Cable weight (nominal): 265kg/km • Maximum installation load: 4000 N • Temperature performance: -20 to +70°C • Water penetration (3m cable, 1m head of water): No leakage (Cable Core) • Impact resistance (25mm anvil / 10 blows): 4 Nm Blows • Cladding non-circularity: ≤ 0.7 % • Attenuation ≤ 0.35 dB/km @ 1310 nm; ≤ 0.22 dB/km @ 1550 nm; ≤0.24 dB/km @ 1625 nm • Mode Field Diameter 9.2 ± 0.4 µm @ 1310 nm; 10.4 ± 0.5 µm @ 1550 nm • Cladding Diameter: 125 ± 0.7 µm • Coating Diameter: 242 ± 5 µm 	DRUM S	2							

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	MATERIAL NR	CABLE SPECIFICATION	Unit of issue	Estimated Qty	Year 1 – Excl VAT	Year 1 – Including VAT	Year 2 – Excl VAT	Year 2 – Including VAT	Year 3 – Excl VAT	Year 3 – Excl VAT	Total amount (Excluding VAT)
		<ul style="list-style-type: none"> • Core-Clad Concentricity: $\leq 0.5 \mu\text{m}$ • Cable Cut-off Wavelength: $\leq 1260 \text{ nm}$ • Macro-bend loss: $\leq 0.5 / 1.5 \text{ dB @ } 10\text{mm}$ Radius; 1 turn @ 1550/1625 nm; $\leq 0.05 / 0.3 \text{ dB @ } 15 \text{ mm}$ Radius; 10 turns @ 1550/1625 nm 									
47	Cat 6 shielded Ethernet cable	<ul style="list-style-type: none"> • Drum: 500meters • High speed Cat6 ethernet cable • Copper clad aluminum • Aluminum foil shielding • Internal spline fights against twists and kinks and separates the pairs for a cleaner signal • Length: 305 Meters • Colour: White 	DRUM S	5							
48	Public address cable	<ul style="list-style-type: none"> • 2, 5 mm X 4 core Steel Wired Armored (SWA) cable including all terminations and stainless-steel glands inside speaker poles and the like. • High conductivity bunched, stranded copper conductors, insulated and colour coded with general purpose PVC. Insulated cores are twisted and filled with PVC to give the cable a round finish. It must be armored with a galvanized steel wire. The final protection is with a tightly bonded, flame-retardant PVC. • SANS 1507-3 approved and are in accordance with SANS 10142 • Voltage Rating: 600/1000 V • Temperature Range: -10 to 80 degrees Celsius • Bending Radius: 15 x cable diameter • Protection: Steel Wire • Conductor types: High conductivity annealed copper • Insulation material: PVC 	M	1000							

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	MATERIAL NR	CABLE SPECIFICATION	Unit of issue	Estimated Qty	Year 1 – Excl VAT	Year 1 – Including VAT	Year 2 – Excl VAT	Year 2 – Including VAT	Year 3 – Excl VAT	Year 3 – Including VAT	Total amount (Excluding VAT)
		<ul style="list-style-type: none"> • Sheath material: Flame retardant PVC • Core Colours: Red, Yellow, Blue, and Black 									
49	Power Cable	<ul style="list-style-type: none"> • Model: PVC insulated cable • Voltage rating: 300/500 • Sheath identification: White • Core identification: 3 core- red, blue and green/yellow • Temperature range: -10°c to 70°c • Maximum Amp: 23A • 3 CORE 2.5MM 	M	1000							
ESTIMATED TOTAL AMOUNT (Excl.VAT)					R	R	R	R	R	R	R
VAT 15%					R	R	R	R	R	R	R
ESTIMATED TOTAL AMOUNT (Incl.VAT)					R	R	R	R	R	R	R

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IMPORTANT:

1. In the event of any discrepancy in the amounts tendered in this document, the highest amount, (whether in words or figures) shall take precedence over the lowest amount.

2. The above shall be held to include all labour, compliance with the work documents, start-up costs, duties, statutory costs, fringe benefits, admin fees and all other costs relating to obligations arising out of this contract.

Signed aton thisday of

WITNESSES:

1.....
.....
TENDERER

2.

Signed aton thisday of

WITNESSES:

1.
.....
METRORAIL (PRASA)

2.

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