

REQUEST FOR TENDER: REPLACEMENT OF UNDERGROUND FIBER CABLE, 7-WAY MICRODUCT AND MANHOLES FROM UMNGENI TO KWAMASHU STATION AND REUNION TO UMLAZI STATION FOR PRASA RAIL KZN

TENDER NUMBER: DBN/CAP (BAC)010



FORM-C

FORM C: TENDER FORM

CURRENT TENDER DETAILS

Request number: **DBN/CAP (BAC) 010**

Request for Tender: **REPLACEMENT OF UNDERGROUND FIBER CABLE, 7-WAY MICRODUCT AND MANHOLES FROM UMNGENI TO KWAMASHU STATION AND REUNION TO UMLAZI STATION FOR PRASA RAIL KZN**

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.

(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.

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- (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 _____
(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.

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 _____

(a minimum period of 90 days from closing date is required).

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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.

THUS DONE and SIGNED at _____
on this _____ day of _____

DULY AUTHORISED SIGNATORY(IES)

WITNESSES

- | | |
|----------|----------|
| 1. _____ | 1. _____ |
| 2. _____ | 2. _____ |
| 3. _____ | 3. _____ |

SBD 6.1

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017

This preference form must form part of all bids invited. It contains general information and serves as a claim for preference points for Broad-Based Black Economic Empowerment [B-BBEE] Status Level of Contribution.

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.

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all bids:

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

1.2 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.

1.3 The **80/20** preference point system shall be applicable to this bid.

1.4 Preference points for this bid shall be awarded for:

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

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

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

1.5.1 Failure on the part of a bidder to submit a B-BBEE Verification Certificate from a Verification

Agency accredited by the South African Accreditation System [**SANAS**], or a sworn affidavit confirming annual turnover and level of black ownership in case of all EMEs and QSEs with 51% black ownership or more together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

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

2. DEFINITIONS

- 2.1 **“all applicable taxes”** includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- 2.2 **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- 2.3 **“B-BBEE status level of contributor”** means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- 2.4 **“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 services, works or goods, through price quotations, advertised competitive bidding processes or proposals;
- 2.5 **“Black designated group”** has meaning assigned to it in codes of good practice issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act.
- 2.6 **“Black People”** meaning assigned to in Section 1 of Broad-Based Black Economic Empowerment Act.
- 2.7 **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- 2.8 **“CIPC”** means the Companies and Intellectual Property Commission, formerly known as CIPRO, the Companies and Intellectual Property Registration Office.
- 2.9 **“comparative price”** means the price after the factors of a non-firm price and all

unconditional discounts that can be utilized have been taken into consideration;

- 2.10 **“consortium or joint venture”** 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;
- 2.11 **“contract”** means the agreement that results from the acceptance of a bid by an organ of state;
- 2.12 **“co-operative”** means a co-operative registered in terms of section 7 of Cooperatives Act, 2005 (Act No. 14 of 2005)
- 2.13 **“Designated Group”** means - i) Black designated groups; ii) Black People; iii) Women; iv) people with disabilities or v) Small enterprise, as defined in Section 1 of National Small Enterprise Act, (102 of 1996)
- 2.14 **“Designated Sector”** means, sub-sector or industry or product designated in terms of regulation 8(1)(a)
- 2.15 **“EME”** means an Exempted Micro Enterprise as defines by Codes of Good Practice under section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- 2.16 **“firm price”** means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- 2.17 **“functionality”** means the ability of a bidder to provide goods or services in accordance with specification as set out in the bid documents;
- 2.18 **“Military Veteran”** has meaning assigned to it in Section 1 of Military Veterans Act, 2011 (Act No. 18 of 2011);
- 2.19 **“National Treasury”** has meaning assigned to it in Section 1 of Public Finance Management Act, 1999 (Act No. 1 of 1999);
- 2.20 **“non-firm prices”** means all prices other than “firm” prices;

- 2.21 **“person”** includes a juristic person;
- 2.22 **“People with disabilities”** meaning assigned to it in terms of Section 1 of Employment Equity Act, 1998 (Act No. 55 of 1998)
- 2.23 **“Price”** includes all applicable taxes less all unconditional discounts.
- 2.24 **“Proof of B-BBEE Status Level of Contributor”** i) the B-BBEE status level certificate issued by an unauthorised body or person; ii) a sworn affidavit as prescribed by the B-BBEE Codes of Good Practice; or iii) any other requirement prescribed in terms of the Broad-Based Black Economic Empowerment Act.
- 2.25 **“Rural Area”** i) a sparsely populated area in which people farm or depend on natural resources, including villages and small towns that are dispersed through the area; or ii) an area including a large settlement which depends on migratory labour and remittances and government social grants for survival, and may have traditional land tenure system.
- 2.26 survival, and may have traditional land tenure system.
- 2.27 **“QSE”** means a Qualifying Small Enterprise as defines by Codes of Good Practice under section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- 2.28 **“rand value”** means the total estimated value of a contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties;
- 2.29 **“sub-contract”** means the primary contractor’s assigning, leasing, making out work to, or employing, another person to support such primary contractor in the execution of part of a project in terms of the contract;
- 2.30 **“total revenue”** bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act and promulgated in the *Government Gazette* on 9 February 2007;
- 2.31 **“Township”** means an urban living area that any time from the late 19th century until 27 April 1994, was reserved for black people, including areas developed for historically disadvantaged individuals post 27 April 1994

- 2.32 “**Treasury**” meaning assigned to it in Section 1 of the Public Finance Management Act, 1999 (Act No. 1 of 1999)
- 2.33 “**trust**” means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- 2.34 “**trustee**” means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.
- 2.35 “**Youth**” meaning assigned to it in terms of Section 1 of National youth Development Agency Act, 2008 (Act No. 54 of 2008).

3. ADJUDICATION USING A POINT SYSTEM

- 3.1 The bidder obtaining the highest number of total points will be awarded the contract.
- 3.2 Preference points shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts.
- 3.3 Points scored must be rounded off to the nearest 2 decimal places.
- 3.4 In the event that two or more bids have scored equal total points, the successful bid must be the one scoring the highest number of preference points for B-BBEE.
- 3.5 However, when functionality is part of the evaluation process and two or more bids have scored equal points including equal preference points for B-BBEE, the successful bid must be the one scoring the highest score for functionality.
- 3.6 Should two or more bids be equal in all respects, the award shall be decided by the drawing of lots.

4. POINTS AWARDED FOR PRICE

4.1 THE 80/20 PREFERENCE POINT SYSTEMS

A maximum of 80 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

Ps = Points scored for comparative price of bid under consideration

Pt = Comparative price of bid under consideration

Pmin = Comparative price of lowest acceptable bid

5. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTION

5.1 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

5.2 A bidder who qualifies as an EME in terms of the B-BBEE Act must submit a sworn affidavit confirming Annual Total Revenue and Level of Black Ownership. Furthermore EMEs may also obtain a sworn affidavit from CIPC (formerly CIPRO) Self Service Terminals when registering a business or filing annual returns. In these instances PRASA would require proof of turnover as well as proof of ownership. Sworn affidavits must substantially comply with the format that can be obtained on the DTI's website at

www.dti.gov.za/economic_empowerment/bee_codes.jsp.

- 5.3 QSEs that are at least 51% Black owned or higher are only required to obtain a sworn affidavit on an annual basis confirming that the entity has an Annual Total Revenue of R50 million or less and the entity's Level of Black ownership.
- 5.4 A Bidder other than EME or a QSE that is at least 51% Black owned must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating a Verification Agency accredited by SANAS.
- 5.5 A trust, consortium or joint venture (including unincorporated consortia and joint ventures) must submit a consolidated B-BBEE Status Level verification certificate for every separate bid.
- 5.6 Tertiary Institutions and Public Entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.
- 5.7 A person will not be awarded points for B-BBEE status level if it is indicated in the bid documents that such a bidder intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a bidder qualifies for, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract.
- 5.8 A person awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.
- 5.9 Bidders are to note that the rules pertaining to B-BBEE verification and other B-BBEE requirements may be changed from time to time by regulatory bodies such as National Treasury or the DTI. It is the Bidder's responsibility to ensure that his/her bid complies fully with all B-BBEE requirements at the time of the submission of the bid.

6. BID DECLARATION

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

6.1.1 B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS

1.4 AND 5.1

6.2 B-BBEE Status Level of Contribution: . =(maximum of 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 5.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or a Registered Auditor approved by IRBA or a sworn affidavit.

7. SUB-CONTRACTING

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

(Tick applicable box)

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

7.1.1 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.

(Tick applicable box)

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

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

vi)

Designated Group: An EME or QSE which is at last 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		

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Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

8. DECLARATION WITH REGARD TO COMPANY/FIRM

8.1 Name of company/firm:.....

8.2 VAT registration number:.....

8.3 Company registration number:.....

8.4 TYPE OF COMPANY/ FIRM

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

[TICK APPLICABLE BOX]

8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....
.....
.....

8.6 COMPANY CLASSIFICATION

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

[TICK APPLICABLE BOX]

- 8.7 Total number of years the company/firm has been in business:.....
- 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 contribution indicated in paragraph 7 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 paragraph 7, the contractor may be required to furnish documentary proof to the satisfaction of the
 - iv) purchaser that the claims are correct;
 - v) If a bidder submitted false information regarding its B-BBEE status level of contributor, local production and content, or any other matter required in terms of the Preferential Procurement Regulations, 2017 which will affect or has affected the evaluation of a bid, or where a bidder has failed to declare any subcontracting arrangements 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) if the successful bidder subcontracted a portion of the bidder to another person without disclosing it, PRASA reserves the right to penalise the bidder up to 10 percent of the value of the contract;
 - (e) 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

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- organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
- (f) forward the matter for criminal prosecution.

WITNESSES

1.
2.

.....
SIGNATURE(S) OF BIDDERS(S)

DATE:

ADDRESS

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

The following pricing schedule shall be used when responding to this Request for Tender.

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BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QTY	LOCAL CONTENT	RATE		TOTAL	
					R	C	R	C
REPLACEMENT OF UNDERGROUND FIBER CABLE, 7-WAY MICRODUCT AND MANHOLES AT UMNGENI TO KWAMASHU.								
A1	Supply and install of 24 core single mode microfiber	KM	20	90%				
A2	Blowing of fiber through micro duct	KM	20	N/A				
A3	Supply and replace manholes utilising same root of the current installed manholes. A distance of 500m apart each manhole should be kept	EA	30	100%				
A4	Splicing of fiber at Umngeni ticket Office	EA	48	N/A				
A5	Splicing of fiber at Umngeni equipment room	EA	48	N/A				
A6	Splicing of fiber at Umngeni Relay Room	EA	48	N/A				
A7	Splicing of fiber at Umngeni sub-station	EA	48	N/A				
A8	Run the cable at Greenwood park station and cater for enough slag at the ticket office	M	70	N/A				
A9	Run the cable at Greenwood park relay room and cater for enough slag at the relay room	M	70	N/A				
A10	Splicing of fiber at Redhill Ticket office	EA	48	N/A				
A11	Splicing of fiber at Redhill equipment room	EA	48	N/A				
A12	Splicing of fiber at Redhill Protection services	EA	48	N/A				
A13	Splicing of fiber at Avoca ticket office	EA	48	N/A				
A14	Splicing of fiber at Avoca equipment room	EA	48	N/A				

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A15	Splicing of fiber at Duffs Road ticket office	EA	48	N/A				
A16	Splicing of fiber at Duffs Road relay room	EA	48	N/A				
A17	Splicing of fiber at Duffs road sub-station	EA	48	N/A				
A18	Run the cable at Tembalihle station and cater for enough slag at the ticket office manhole	M	70	N/A				
A19	Run the cable at Tembalihle relay room and cater for enough slag at the relay room	M	70	N/A				
A20	Splicing of fiber at KwaMashu old ticket office	EA	48	N/A				
A21	Splicing of fiber at KwaMashu sub-station	EA	48	N/A				
A22	Splicing of fiber at KwaMashu relay room	EA	48	N/A				
A23	Splicing of fiber at KwaMashu Equipment room	EA	48	N/A				
A24	Splicing of fiber at KwaMashu concourse ticket office no.1	EA	48	N/A				
A25	Splicing of fiber at KwaMashu concourse ticket office no.2	EA	48	N/A				
A26	Supply and install 7-way micro duct	KM	20	100%				
A27	Supply and install Dom joint	EA	10	100%				
A28	Integrity test using (sponge or mandrel) after backfilling and compacting	KM	20	N/A				
A29	Trenching 950mm depth and 400mm width and (Back fill)	KM	20	N/A				
A30	Splicing and testing of fiber from the dome joint	EA	480	N/A				
A31	Protection: two flagmen and a track master	Per day	180	N/A				
A32	Test and submit fibre result in PDF format	Per site	22	N/A				
A33	AS Built diagram per site including manholes	Per site	22	N/A				

REPLACEMENT OF UNDERGROUND FIBER CABLE, 7-WAY MICRODUCT AND MANHOLES AT REUNION TO UMLAZI STATION

B1	Supply and install 24 core single mode microfiber	KM	15	90%				
B2	Blowing of fiber through micro duct	KM	15	N/A				
B3	Supply and replace manholes utilising same root of the current installed manholes. A distance of 500m apart each manhole should be kept, ensure to install a manhole next to each site	EA	30	100%				
B4	Splicing of fiber at Reunion Ticket office	EA	48	N/A				
B5	Splicing of fiber at Reunion Area managers office	EA	48	N/A				
B6	Splicing of fiber at Reunion relay room	EA	48	N/A				
B7	Splicing of fiber at Reunion Signals office	EA	48	N/A				
B8	Splicing of fiber at Reunion substation	EA	48	N/A				
B9	Splicing of fiber at Zwelethu equipment room	EA	48	N/A				
B10	Splicing of fiber at Zwelethu ticket office	EA	48	N/A				
B11	Splicing of fiber at Zwelethu default office	EA	48	N/A				
B12	Splicing of fiber at Kwamnyandu Relay room	EA	48	N/A				
B13	Splicing of fiber at Kwamnyandu Equipment room	EA	48	N/A				
B14	Splicing of fiber at Kwamnyandu ticket office no.1	EA	48	N/A				
B15	Splicing of fiber at Kwamnyandu ticket office no.2	EA	48	N/A				
B16	Splicing of fiber at Lindokuhle equipment room	EA	48	N/A				
B17	Splicing of fiber at Lindokuhle ticket office	EA	48	N/A				
B18	Splicing of fiber at Lindokuhle default room	EA	48	N/A				
B19	Splicing of fiber at Umlazi Relay room	EA	48	N/A				
B20	Splicing of fiber at Umlazi equipment room	EA	48	N/A				
B21	Splicing of fiber at Umlazi ticket office	EA	48	N/A				

B22	Splicing of fiber at Umlazi sub-station	EA	48	N/A				
B23	Splicing of fiber at Umlazi default office	EA	48	N/A				
B24	Splicing and testing of fiber from the dome joint inside the manhole	EA	216	N/A				
B25	Test and submit fiber result in PDF format per site	EA	20	N/A				
B26	Preliminary and general	complete	1	N/A				
B27	Supply and install 7-way micro duct	KM	15	100%				
B28	Supply and install Dom joint inside the manhole	EA	9	100%				
B29	Integrity test using (sponge or mandrel) after backfilling and compacting	KM	15	N/A				
B30	Trenching 900mm depth and 400mm width and (Back fill)	KM	15	N/A				
B31	Protection: two flagmen and a track master	Per day	180	N/A				
B32	Grinding of tunnel and backfilling with concrete as per the dimension provided on the spec to secure fibre cable at Zwelethu tunnel.	M	700	N/A				
B33	Grinding of tunnel and backfilling with concrete as per the dimension provided on the spec to secure fibre cable at Lindokuhle tunnel.	M	700	N/A				
B34	Grinding of tunnel and backfilling with concrete as per the dimension provided on the spec to secure fibre cable at Umlazi tunnel.	M	700	N/A				
SUB TOTAL -								
VAT -								
TOTAL -								