

**REQUEST FOR TENDER: SUPPLY, INSTALLATION,
REHABILITATION AND COMMISSIONING OF INTEGRATED
COMMUNICATIONS SYSTEMS SECURITY SYSTEM AND
PASSENGER INFORMATION SYSTEMS FOR PRASA RAIL KZN
TENDER NUMBER: DBN/CAP (BAC)011**



FORM-C

FORM C: TENDER FORM

CURRENT TENDER DETAILS	
Request number:	DBN/CAP (BAC) 011
Request for Tender:	SUPPLY, INSTALLATION, REHABILITATION AND COMMISSIONING OF INTEGRATED COMMUNICATIONS SYSTEMS SECURITY SYSTEM AND PASSENGER INFORMATION SYSTEMS FOR PRASA RAIL KZN 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. _____

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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 **“QSE”** means a Qualifying Small Enterprise as defined 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

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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

$$Ps = 80 \left(1 - \frac{Pt - P \min}{P \ min} \right)$$

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 proprietor
- 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]

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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 FOR ACCESS CONTROL, ALARM SYSTEMS, BIOMETRIC, CARD READERS AND CLOSE CIRCUIT TELEVISION FROM GERMISTON TO DAVEYTON LINE	LOCAL CONTENT	QUANTITY	UNIT MEASURE	UNIT PRICE	TOTAL AMOUNT
	KWA MASHU STATION					
1	Supply and install dome camera at existing locations	N/A	5	Each		
2	Supply and install CAT6 UTP cable	90% (Cables)	400	Meter		
3	Supply and install 6 core single mode fiber	90% (Cables)	400	Meter		
4	Splice and label fiber	N/A	5	Complete		
5	Supply and install 2.5mm surfix cable from equipment room to main kiosks and mini kiosks	90% (Cables)	600	Meter		
6	Supply and install UPS in equipment	N/A	3	Each		
7	Supply and install RS485 EDB cable	N/A	600	Meter		
8	Supply and install 2.5mm surfix from kiosk to EDB	90% (Cables)	300	Meter		
9	Supply and install serial device server	N/A	3	Each		
10	Supply and install fiber to ethernet media converter	N/A	3	Complete		
11	Supply and install fire cable	N/A	300	Meter		
12	Supply and install 1.5mm 4 core cable connect all 4 concourse speakers	90% (Cables)	150	Meter		

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13	Full testing, commissioning and handing over of the entire installation.	N/A	1	Complete		
	TEMBALIHLÉ STATION					
14	Supply and install dome cameras	N/A	26	Each		
15	Supply and install IR cameras	N/A	20	Each		
16	Supply and install CAT5E cable for dome camera	90% (Cables)	2000	Meter		
17	Supply and install CAT6e outdoor cable for IR cameras	90% (Cables)	2000	Meter		
18	Supply and install 10 port managed POE switch	N/A	3	Each		
19	Supply and install 48v power supply	N/A	3	Each		
20	Supply and install 24 port POE switch	N/A	2	Each		
21	Supply and install 24 port fiber switch	N/A	1	Each		
22	Supply and install and splice 6 core fiber cable	90% (Cables)	500	Meter		
23	Supply and install Fiber patch panels	N/A	4	Each		
24	Supply and install NVR	N/A	4	Complete		
25	Supply and install 43U rack	N/A	2	Each		
26	Supply and install distribution unit including breaker, surge arrestors	N/A	6	Complete		
27	Supply and install Surfix 2.5mm cable	90% (Cables)	500	Meter		
28	Supply and install Roclar cabinet	N/A	3	Each		
29	Supply and install 12U wall mount cabinet	N/A	1	Each		

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30	Supply and install 10KVA UPS	N/A	2	Complete		
31	Supply and install 3 KVA UPS	N/A	1	Complete		
32	Supply and install KVM switch	N/A	2	Each		
33	Supply and install foldable rack mount keyboard and screen	N/A	1	Complete		
34	Supply and install 8 inch CIT monitor	N/A	1	Each		
35	Supply and install biometric card reader	N/A	17	Each		
36	Supply and install no touch door release	N/A	5	Each		
37	Supply and install K32 controllers	N/A	3	Each		
38	Supply and install mylar cable	90% (Cables)	1000	Meter		
39	Supply and Install of Magnetic Door Sensor	N/A	11	Each		
40	Supply and install 12V 10amp power supply	N/A	1	Each		
41	Supply and install Babylon server	N/A	1	Each		
42	Supply and install green resettable break glass	N/A	11	Each		
43	Supply and install mag lock	N/A	11	Each		
44	Supply and install Cerberus 800S at concourse	N/A	1	Each		
45	Supply and install Cerberus 200 on platforms	N/A	4	Each		
46	Supply and install EDB pole	N/A	4	Each		
47	Supply and install RS485 4 wire cable for EDB	90% (Cables)	400	Meter		
48	Supply and install 2.5mm surfix from kiosk to EDB	90% (Cables)	300	Meter		

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49	Supply and install serial device server	N/A	2	Each		
50	Supply and install fiber to ethernet media converter	N/A	2	Complete		
51	Supply and install 8 zone alarm panel	N/A	2	Complete		
52	Supply and install LCD keypad	N/A	2	Each		
53	Supply and install PIR	N/A	9	Each		
54	Supply and install siren with strobe	N/A	2	Each		
55	Supply and install IP coms module	N/A	2	Each		
56	Supply and install emergency push button	N/A	7	Each		
57	Supply and Installation of 4 core solid comms cable	90% (Cables)	600	Meter		
58	Supply and install smoke detector with base	N/A	17	Each		
59	Supply and install heat detector with base	N/A	1	Each		
60	Supply and install red break glass unit	N/A	4	Each		
61	Supply and install fire cable	90% (Cables)	600	Meter		
62	Supply and install 4 zone fire panel with remote link	N/A	1	Complete		
63	Supply and install outdoor CS304 outdoor speaker	N/A	22	Each		
64	Supply and install internal speaker with volume control	N/A	2	Each		
65	Supply and install microphone	N/A	2	Each		
66	Supply and install amplifier	N/A	1	Each		

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67	Supply and install DOM	N/A	1	Each		
68	Supply and install 4 core 1.5mm speaker cable	90% (Cables)	1000	Meter		
69	Supply and install pipe and chamber on platforms	N/A	1	Complete		
70	Supply and install intercom system	N/A	1	Complete		
71	Full testing, commissioning and handing over of the entire installation.	N/A	1	Complete		
72	Excavate trench 400 mm x 500 mm	N/A	350	Meter		
73	Supply and install Manholes complete with manhole covers, 450mm width and 650m depth,.	N/A	10	Each		
74	Supply and install 110 mm flexible conduit complete with couplings, per Platform x 300m	N/A	1050	Meter		
75	Supply of Tar asphalt hot mix including backfill, Compaction of Bedding and Padding.	N/A	350	Meter		
	DUFFS ROAD STATION					
76	Supply and install dome cameras	N/A	22	Each		
77	Supply and install IR cameras	N/A	40	Each		
78	Supply and install CAT5E cable for dome camera	90% (Cables)	1500	Meter		
79	Supply and install CAT6e outdoor cable for IR cameras	90% (Cables)	1500	Meter		
80	Supply and install 10 port managed POE switch	N/A	6	Each		

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81	Supply and install 48v power supply	N/A	6	Each		
82	Supply and install and splice 6 core fiber cable	90% (Cables)	800	Meter		
83	Supply and install Fiber patch panels	N/A	6	Each		
84	Supply and install distribution unit including breaker, surge arrestors	N/A	6	Complete		
85	Supply and install Surfix 2.5mm cable	90% (Cables)	1000	Meter		
86	Supply and install Roclar cabinet	N/A	6	Each		
87	Supply and install 10KVA UPS	N/A	2	Complete		
88	Supply and install KVM switch	N/A	2	Each		
89	Supply and install NVR	N/A	5	Each		
90	Supply and install foldable rack mount keyboard and screen	N/A	1	Complete		
91	Supply and install 8 inch CIT monitor	N/A	1	Each		
92	Supply and install 4 core mylar cable	90% (Cables)	200	Meter		
93	Supply and install 12V 10amp power supply	N/A	1	Each		
94	Supply and install green resettable break glass	N/A	10	Each		
95	Supply and install intercom system	N/A	1	Complete		
96	Supply and install mag lock	N/A	10	Each		
97	Supply and install 16 zone alarm panel	N/A	1	Complete		
98	Supply and install LCD keypad	N/A	1	Each		
99	Supply and install PIR	N/A	12	Each		

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100	Supply and install siren with strobe	N/A	1	Each		
101	Supply and install IP coms module	N/A	1	Each		
102	Supply and install emergency push button	N/A	6	Each		
103	Supply and Installation of 4 core solid comms cable	90% (Cables)	350	Meter		
104	Supply and install smoke detector	N/A	19	Each		
105	Supply and install heat detector	N/A	1	Each		
106	Supply and install red break glass unit	N/A	4	Each		
107	Supply and install fire cable	90% (Cables)	500	Meter		
108	Supply and install 4 zone fire panel with remote link	N/A	1	Complete		
109	Supply and install outdoor CS304 outdoor speaker	N/A	32	Each		
110	Supply and install internal speaker with volume control	N/A	1	Each		
111	Supply and install microphone	N/A	1	Each		
112	Supply and install amplifier	N/A	1	Each		
113	Supply and install DOM	N/A	1	Each		
114	Supply and install 4 core 1.5mm speaker cable	90% (Cables)	800	Meter		
115	Supply and install RS485 4 wire cable for EDB	90% (Cables)	650	Meter		
116	Supply and install 2.5mm surfix from kiosk to EDB	90% (Cables)	300	Meter		

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117	Supply and install serial device server	N/A	3	Each		
118	Supply and install fiber to ethernet media converter	N/A	3	Complete		
119	Supply and install intercom system	N/A	1	Complete		
120	Full testing, commissioning and handing over of the entire installation.	N/A	1	Complete		
	AVOCA STATION					
121	Supply and install dome cameras	N/A	16	Each		
122	Supply and install IR cameras	N/A	10	Each		
123	Supply and install CAT5E cable for dome camera	90% (Cables)	500	Meter		
124	Supply and install CAT6e outdoor cable for IR cameras	90% (Cables)	1000	Meter		
125	Supply and install 10 port managed POE switch	N/A	3	Each		
126	Supply and install 48v power supply	N/A	3	Each		
127	Supply and install 24 port POE switch	N/A	2	Each		
128	Supply and install 24 port fiber switch	N/A	1	Each		
129	Supply and install and splice 6 core fiber cable	90% (Cables)	800	Meter		
130	Supply and install NVR	N/A	3	Complete		
131	Supply and install 43U rack	N/A	2	Each		
132	Supply and install Roclar cabinet	N/A	3	Each		
133	Supply and install Fiber patch panels	N/A	5	Each		

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134	Supply and install distribution unit including breaker, surge arrestors	N/A	5	Complete		
135	Supply and install Surfix 2.5mm cable	90% (Cables)	1000	Meter		
136	Supply and install 12U wall mount cabinet	N/A	1	Each		
137	Supply and install 10KVA UPS	N/A	2	Complete		
138	Supply and install KVM switch	N/A	2	Each		
139	Supply and install foldable rack mount keyboard and screen	N/A	1	Complete		
140	Supply and install 8 inch CIT monitor	N/A	1	Each		
141	Supply and install biometric card reader	N/A	9	Each		
142	Supply and install no touch door release	N/A	1	Each		
143	Supply and install K32 controllers	N/A	1	Each		
144	Supply and install 4 core mylar cable	90% (Cables)	300	Meter		
145	Supply and install 12V 10amp power supply	N/A	1	Each		
146	Supply and install Babylon server	N/A	1	Each		
147	Supply and install green resettable break glass	N/A	5	Each		
148	Supply and install mag lock	N/A	5	Each		
149	Supply and install 17 inch touchscreen	N/A	1	Each		
150	Supply and install 8 zone alarm panel	N/A	1	Complete		
151	Supply and install LCD keypad	N/A	1	Each		
152	Supply and install PIR	N/A	3	Each		

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153	Supply and install siren with strobe	N/A	1	Each		
154	Supply and install IP coms module	N/A	1	Each		
155	Supply and install emergency push button	N/A	3	Each		
156	Supply and Installation of 4 core solid comms cable	90% (Cables)	300	Meter		
157	Supply and install smoke detector	N/A	7	Each		
158	Supply and install red break glass unit	N/A	4	Each		
159	Supply and install fire cable	90% (Cables)	500	Meter		
160	Supply and install 4 zone fire panel with remote link	N/A	1	Complete		
161	Supply and install outdoor CS304 outdoor speaker	N/A	14	Each		
162	Supply and install internal speaker with volume control	N/A	1	Each		
163	Supply and install microphone	N/A	1	Each		
164	Supply and install amplifier	N/A	1	Each		
165	Supply and install DOM	N/A	1	Each		
166	Supply and install 4 core 1.5mm speaker cable	90% (Cables)	600	Meter		
167	Supply and install Cerberus 200 on platforms	N/A	3	Each		
168	Supply and install EDB pole	N/A	2	Each		
169	Supply and install EDB wall mount bracket	N/A	1	Each		

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170	Supply and install RS485 4 wire cable for EDB	90% (Cables)	400	Meter		
171	Supply and install 2.5mm surfix from kiosk to EDB	90% (Cables)	300	Meter		
172	Supply and install serial device server	N/A	1	Each		
173	Supply and install fiber to ethernet media converter	N/A	1	Complete		
174	Supply and install pipe and chamber on platforms	N/A	1	Complete		
175	Supply and install intercom system	N/A	1	Complete		
176	Full testing, commissioning and handing over of the entire installation.	N/A	1	Complete		
177	Excavate trench 400 mm x 500 mm, per platform	N/A	500	Meter		
178	Supply and install Manholes complete with manhole covers, 450mm width and 650m depth,.	N/A	12	Each		
179	Supply and install 110 mm flexible conduit complete with couplings, per Platform	N/A	1500	Meter		
180	Supply of Tar asphalt hot mix including backfill, Compaction of Bedding and Padding.	N/A	500	Meter		
	GREENWOOD PARK STATION					
181	Supply and install dome cameras	N/A	15	Each		
182	Supply and install IR cameras	N/A	20	Each		

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183	Supply and install CAT5E cable for dome camera	90% (Cables)	300	Meter		
184	Supply and install CAT6e outdoor cable for IR cameras	90% (Cables)	1000	Meter		
185	Supply and install 10 port managed POE switch	N/A	2	Each		
186	Supply and install 48v power supply	N/A	2	Each		
187	Supply and install 24 port POE switch	N/A	2	Each		
188	Supply and install 24 port fiber switch	N/A	1	Each		
189	Supply and install and splice 6 core fiber cable	90% (Cables)	400	Meter		
190	Supply and install NVR	N/A	3	Complete		
191	Supply and install 43U rack	N/A	2	Each		
192	Supply and install Fiber patch panels	N/A	4	Each		
193	Supply and install distribution unit including breaker, surge arrestors	N/A	4	Complete		
194	Supply and install Surfix 2.5mm cable	90% (Cables)	1000	Meter		
195	Supply and install Roclar cabinet	N/A	2	Each		
196	Supply and install 12U wall mount cabinet	N/A	1	Each		
197	Supply and install 10KVA UPS	N/A	2	Complete		
198	Supply and install KVM switch	N/A	2	Each		
199	Supply and install foldable rack mount keyboard and screen	N/A	1	Complete		
200	Supply and install 8 inch CIT monitor	N/A	1	Each		

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201	Supply and install biometric card reader	N/A	10	Each		
202	Supply and install no touch door release	N/A	2	Each		
203	Supply and install K32 controllers	N/A	2	Each		
204	Supply and install 4 core mylar cable	90% (Cables)	300	Meter		
205	Supply and install 12V 10amp power supply	N/A	1	Each		
206	Supply and install Babylon server	N/A	1	Each		
207	Supply and install green resettable break glass	N/A	6	Each		
208	Supply and install mag lock	N/A	6	Each		
209	Supply and install Cerberus 200 on platforms	N/A	4	Each		
210	Supply and install EDB pole	N/A	4	Each		
211	Supply and install RS485 4 wire cable for EDB	90% (Cables)	400	Meter		
212	Supply and install 2.5mm surfix from kiosk to EDB	90% (Cables)	200	Meter		
213	Supply and install serial device server	N/A	1	Each		
214	Supply and install fiber to ethernet media converter	N/A	1	Complete		
215	Supply and install 8 zone alarm panel	N/A	1	Complete		
216	Supply and install LCD keypad	N/A	1	Each		
217	Supply and install PIR	N/A	4	Each		
218	Supply and install siren with strobe	N/A	1	Each		
219	Supply and install IP coms module	N/A	1	Each		

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220	Supply and install emergency push button	N/A	3	Each		
221	Supply and Installation of 4 core solid comms cable	90% (Cables)	300	Meter		
222	Supply and install smoke detector	N/A	7	Each		
223	Supply and install red break glass unit	N/A	4	Each		
224	Supply and install fire cable	90% (Cables)	500	Meter		
225	Supply and install 4 zone fire panel with remote link	N/A	1	Complete		
226	Supply and install outdoor CS304 outdoor speaker	N/A	18	Each		
227	Supply and install internal speaker with volume control	N/A	1	Each		
228	Supply and install microphone	N/A	1	Each		
229	Supply and install amplifier	N/A	1	Each		
230	Supply and install DOM	N/A	1	Each		
231	Supply and install 4 core 1.5mm speaker cable	90% (Cables)	500	Meter		
232	Supply and install pipe and chamber on platforms	N/A	1	Complete		
233	Supply and install intercom system	N/A	1	Complete		
234	Full testing, commissioning and handing over of the entire installation.	N/A	1	Complete		
235	Excavate trench 400 mm x 500 mm, per platform	N/A	350	Meter		

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236	Supply and install Manholes complete with manhole covers, 450mm width and 650mm depth,.	N/A	10	Each		
237	Supply and install 110 mm flexible conduit complete with couplings, per Platform	N/A	1050	Meter		
238	Supply of Tar asphalt hot mix including backfill, Compaction of Bedding and Padding.	N/A	350	Meter		
	TEMPLE STATION					
239	Supply and install dome cameras	N/A	10	Each		
240	Supply and install IR cameras	N/A	16	Each		
241	Supply and install CAT5E cable for dome camera	90% (Cables)	300	Meter		
242	Supply and install CAT6e outdoor cable for IR cameras	90% (Cables)	800	Meter		
243	Supply and install 10 port managed POE switch	N/A	6	Each		
244	Supply and install 48v power supply	N/A	6	Each		
245	Supply and install 24 port POE switch	N/A	1	Each		
246	Supply and install 24 port fiber switch	N/A	1	Each		
247	Supply and install and splice 6 core fiber cable	90% (Cables)	400	Meter		
248	Supply and install NVR	N/A	3	Complete		
249	Supply and install 43U rack	N/A	2	Each		
250	Supply and install Fiber patch panels	N/A	8	Each		
251	Supply and install distribution unit including breaker, surge arrestors	N/A	8	Complete		

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252	Supply and install Surfix 2.5mm cable	90% (Cables)	1000	Meter		
253	Supply and install Roclar cabinet	N/A	2	Each		
254	Supply and install 12U wall mount cabinet	N/A	1	Each		
255	Supply and install 10KVA UPS	N/A	2	Complete		
256	Supply and install KVM switch	N/A	2	Each		
257	Supply and install foldable rack mount keyboard and screen	N/A	1	Complete		
258	Supply and install 8 inch CIT monitor	N/A	1	Each		
259	Supply and install biometric card reader	N/A	10	Each		
260	Supply and install no touch door release	N/A	2	Each		
261	Supply and install K32 controllers	N/A	2	Each		
262	Supply and install 4 core mylar cable	90% (Cables)	300	Meter		
263	Supply and install 12V 10amp power supply	N/A	1	Each		
264	Supply and install Babylon server	N/A	1	Each		
265	Supply and install green resettable break glass	N/A	6	Each		
266	Supply and install mag lock	N/A	6	Each		
267	Supply and install 8 zone alarm panel	N/A	1	Complete		
268	Supply and install LCD keypad	N/A	1	Each		
269	Supply and install PIR	N/A	3	Each		
270	Supply and install siren with strobe	N/A	1	Each		
271	Supply and install IP coms module	N/A	1	Each		

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272	Supply and install emergency push button	N/A	2	Each		
273	Supply and Installation of 4 core solid comms cable	90% (Cables)	300	Meter		
274	Supply and install alarm power supply	N/A	1	Each		
275	Supply and install smoke detector	N/A	3	Each		
276	Supply and install red break glass unit	N/A	3	Each		
277	Supply and install fire cable	90% (Cables)	500	Meter		
278	Supply and install 4 zone fire panel with remote link	N/A	1	Complete		
279	Supply and install outdoor CS304 outdoor speaker	N/A	22	Each		
280	Supply and install internal speaker with volume control	N/A	1	Each		
281	Supply and install microphone	N/A	1	Each		
282	Supply and install amplifier	N/A	1	Each		
283	Supply and install DOM	N/A	1	Each		
284	Supply and install 4 core 1.5mm speaker cable	90% (Cables)	600	Meter		
285	Supply and install Cerberus 200 on platforms	N/A	4	Each		
286	Supply and install EDB pole	N/A	4	Each		
287	Supply and install RS485 4 wire cable for EDB	90% (Cables)	600	Meter		
288	Supply and install 2.5mm surfix from kiosk to EDB	90% (Cables)	200	Meter		

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289	Supply and install serial device server	N/A	2	Each		
290	Supply and install fiber to ethernet media converter	N/A	2	Complete		
291	Supply and install pipe and chamber on platforms	N/A	1	Complete		
292	Supply and install intercom system	N/A	1	Complete		
293	Full testing, commissioning and handing over of the entire installation.	N/A	1	Complete		
294	Excavate trench 400 mm x 500 mm, per platform	N/A	700	Meter		
295	Supply and install Manholes complete with manhole covers, 450mm width and 650m depth,	N/A	10	Each		
296	Supply and install 110 mm flexible conduit complete with couplings, per Platform	N/A	1050	Meter		
297	Supply of Tar asphalt hot mix including backfill, Compaction of Bedding and Padding.	N/A	700	Meter		
	EFFINGHAM					
298	Supply and install platform IR camera	N/A	4	Each		
299	Supply and install 10KVA UPS	N/A	2	Each		
300	Full testing, commissioning and handing over of the entire installation.	N/A	1	Complete		
301	Supply and install RS485 4 wire cable for EDB	90% (Cables)	500	Meter		
302	Supply and install serial device server	N/A	1	Each		

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303	Supply and install fiber to ethernet media converter	N/A	1	Complete		
	BRIDGE CITY					
304	Supply and install dome cameras	N/A	24	Each		
305	Supply and install IR cameras	N/A	48	Each		
306	Supply and install CAT5E cable for dome camera	90% (Cables)	3000	Meter		
307	Supply and install 10 port managed POE switch	N/A	6	Each		
308	Supply and install 48v power supply	N/A	6	Each		
309	Supply and install and splice 6 core fiber cable	90% (Cables)	600	Meter		
310	Supply and install Surfix 2.5mm cable	90% (Cables)	2500	Meter		
311	Supply and install 12u outdoor cabinet	N/A	6	Each		
312	Supply and install 24 port POE switch	N/A	3	Each		
313	Supply and install 24 port fiber switch	N/A	1	Each		
314	Supply and install fiber patch panel	N/A	8	Each		
315	Supply and install archive server	N/A	1	Complete		
316	Supply and install veridecoder	N/A	4	Each		
317	Supply and install NVR including licenses	N/A	4	Each		
318	Supply and install workstation including software	N/A	2	Complete		
319	Supply and install 40 inch screen	N/A	4	Each		
320	Supply and install 24 inch monitor	N/A	4	Each		

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321	Supply and install mouse	N/A	2	Each		
322	Supply and install keyboard	N/A	2	Each		
323	Supply and install Dallmeier server	N/A	1	Each		
324	Supply and install K32 controller	N/A	2	Each		
325	Supply and install Babylon server and software	N/A	1	Each		
326	Supply and install card reader	N/A	12	Each		
327	Supply and install 4 core mylar cable	90% (Cables)	500	Meter		
328	Supply and install resettable break glass	N/A	12	Each		
329	Supply and install maglock	N/A	12	Each		
330	Supply and install 12V 10amp power supply	N/A	1	Each		
331	Supply and install 8 zone alarm panel	N/A	2	Complete		
332	Supply and install LCD keypad	N/A	2	Each		
333	Supply and install PIR	N/A	15	Each		
334	Supply and install siren with strobe	N/A	2	Each		
335	Supply and install IP coms module	N/A	2	Each		
336	Supply and install emergency push button	N/A	10	Each		
337	Supply and Installation of 4 core solid comms cable	90% (Cables)	500	Meter		
338	Supply and install alarm power supply	N/A	2	Each		
339	Supply and install smoke detector	N/A	150	Each		
340	Supply and install red break glass unit	N/A	3	Each		

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341	Supply and install fire cable	90% (Cables)	2000	Meter		
342	Supply and install 8 zone fire panel with remote link	N/A	1	Complete		
343	Supply and install internal speaker with volume control	N/A	2	Each		
344	Supply and install microphone	N/A	2	Each		
345	Supply and install amplifier	N/A	2	Each		
346	Supply and install DOM	N/A	1	Each		
347	Fault find existing speaker cable ensuring all platform and concourse speakers are working in order	N/A	1	Complete		
348	Repair cable where damages are found ensuring continuity between platform and equipment room	N/A	1	Complete		
349	Supply and install 4 core 1.5mm speaker cable	90% (Cables)	300	Meter		
350	Supply and install 5-watt ceiling speakers	N/A	10	Each		
351	Supply and install high back chair	N/A	2	Each		
352	Supply and install 4 tera byte hard drive	N/A	12	each		
353	Supply and install intercom system	N/A	2	Complete		
354	Supply and install distribution unit in cabinet	N/A	8	each		
355	Supply and install 10KVA ups	N/A	3	Each		
356	Supply and install serial device server	N/A	3	Each		

**REQUEST FOR TENDER: SUPPLY, INSTALLATION, REHABILITATION
AND COMMISSIONING OF INTEGRATED COMMUNICATIONS SYSTEMS
SECURITY SYSTEM AND PASSENGER INFORMATION SYSTEMS FOR
PRASA RAIL KZN**
TENDER NUMBER: DBN/CAP (BAC)011



358	Supply and install fiber to ethernet media converter	N/A	3	Each		
359	Commission and link EDBs to Railcom server	N/A	1	Complete		
362	Full testing, commissioning and handing over of the entire installation.	N/A	1	Complete		
	GENERAL					
363	Update the existing Railcom server GUI for Kwa Mashu, Tembalihle, Duffs Road, Avoca, Greenwood Park, Effingham and Temple	N/A	1	Complete		
364	The contractor shall provide certificate of compliance(COC) for all electrical work conducted during the project	N/A	8	Per Site		
365	Supply 3 copies of complete "As build/ As installed" equipment manuals properly bound.	N/A	8	Per Site		
366	Decommissioning, Administration & Transportation	N/A	8	Per Site		
367	Preliminary and General	N/A	8	Per Site		
TOTAL						
VAT 15%						
GRAND TOTAL						