



prasa
PASSENGER RAIL AGENCY
OF SOUTH AFRICA

REQUEST FOR QUOTATION (RFQ)

RFQ NUMBER: KZN/RAIL//2023/09/04/Q-1

**REQUEST FOR QUOTATION (RFQ): SUPPLY AND DELIVERY OF TELECOMMUNICATION
TOOLS FPOR PRASA KZN REGION**

SECTION 1: SBD1

PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF PASSENGER RAIL AGENCY (PRASA)

BID NUMBER:	KZN/RAIL/2/023/09/0/Q-1	CLOSING DATE:	07 March 2024	CLOSING TIME:	12:00PM
DESCRIPTION	SUPPLY AND DELIVERY OF TELECOMMUNICATION TOOLS FOR PRASA KZN REGION				

BID RESPONSE DOCUMENTS SHALL BE ADDRESSED AS FOLLOWS:

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX NO.4 SITUATED AT (STREET ADDRESS):

65 MASABALALA YENGWA AVENUE
PRASA REGIONAL OFFICE FOYER AREA
HELPDESK
PRASA SCM
KWAZULU NATAL

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO

CONTACT PERSON	Qiniso Makaluza
TELEPHONE NUMBER	031 813 0376
E-MAIL ADDRESS	Qiniso.Makaluza@prasa.com

SUPPLIER INFORMATION

NAME OF BIDDER				
POSTAL ADDRESS				
STREET ADDRESS				
TELEPHONE NUMBER	CODE		NUMBER	
CELLPHONE NUMBER				
FACSIMILE NUMBER	CODE		NUMBER	
E-MAIL ADDRESS				
VAT REGISTRATION NUMBER				
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No: MAAA.....

2.1 ARE YOU THE
ACCREDITED
REPRESENTATIVE IN
SOUTH AFRICA FOR THE
GOODS /SERVICES /WORKS
OFFERED?

☐ Yes ☐ No

[IF YES ENCLOSE PROOF]

2.2 ARE YOU A FOREIGN BASED
SUPPLIER FOR THE GOODS
/SERVICES /WORKS OFFERED?

☐ Yes ☐ No

[IF YES, ANSWER THE
QUESTIONNAIRE BELOW
]

QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

- IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? ☐ YES ☐ NO
- DOES THE ENTITY HAVE A BRANCH IN THE RSA? ☐ YES ☐ NO
- DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? ☐ YES ☐ NO
- DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? ☐ YES ☐ NO
- IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? ☐ YES ☐ NO

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

PART B: TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR IN THE MANNER**
- 1.3. **PRESCRIBED IN THE BID DOCUMENT.**
- 1.4. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.

2. TAX COMPLIANCE REQUIREMENTS

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
- 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
- 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
- 2.6 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
- 2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE.”

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

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:

(Proof of authority must be submitted e.g., company resolution)

DATE:

NB:

- *Quotation(s) must be addressed to PRASA before the closing date and time shown above.*
- *PRASA General Conditions of Purchase shall apply.*

SECTION 2

NOTICE TO BIDDERS

1. RESPONSES TO RFQ

Responses to this RFQ [Quotations] must not include documents or reference relating to any other quotation or proposal. Any additional conditions must be embodied in an accompanying letter.

Proposals must reach the PRASA before the closing hour on the date shown on SBD1 above and must be enclosed in a sealed envelope.

2 COMMUNICATION

Respondent/s are warned that a response will be liable for disqualification should any attempt be made either directly or indirectly to canvass any SCM Officer(s) or PRASA employee in respect of this RFQ between the closing date and the date of the award of the business.

3 BIDDERS COMPLAINTS PROCESS

3.1 Bidders are advised utilize this email address (SCM.Complaints@prasa.co.za) for lodging of complains to PRASA in relation to this bid process. The following minimum information about the bidder must be included in the complaint:

- 3.1.1 Bid/Tender Description
- 3.1.2 Bid/Tender Reference Number
- 3.1.3 Closing date of Bid/Tender
- 3.1.4 Supplier Name
- 3.1.5 Supplier Contact details
- 3.1.6 The detailed compliant

4 LEGAL COMPLIANCE

The successful Respondent shall be in full and complete compliance with any and all applicable national and local laws and regulations.

5 CHANGES TO QUOTATIONS

Changes by the Respondent to its submission will not be considered after the closing date and time.

6 PRICING

All prices must be quoted in South African Rand on a fixed price basis, including all applicable taxes.

7 BINDING OFFER

Any Quotation furnished pursuant to this Request shall be deemed to be an offer. Any exceptions to this statement must be clearly and specifically indicated.

8 DISCLAIMERS

PRASA is not committed to any course of action as a result of its issuance of this RFQ and/or its receipt of a Quotation in response to it. Please note that PRASA reserves the right to:

- Modify the RFQ's goods / service(s) and request Respondents to re-bid on any changes;
- Reject any Quotation which does not conform to instructions and specifications which are detailed herein;
- Reject Quotations submitted after the stated submission deadline or at the incorrect venue;

Should a contract be awarded on the strength of information furnished by the Respondent, which after conclusion of the contract, is proved to have been incorrect, PRASA reserves the right to cancel the contract.

PRASA reserves the right to award business to the highest scoring bidder/s unless objective criteria justify the award to another Respondent.

Should the preferred fail to sign or commence with the contract within a reasonable period after being requested to do so, PRASA reserves the right to award the business to the next highest ranked Respondent provided that he/she is still prepared to provide the required goods at the quoted price.

9 LEGAL REVIEW

Proposed contractual terms and conditions submitted by a Respondent will be subjected to review and acceptance or rejection by PRASA's Legal Counsel, prior to consideration for an award of business.

10 NATIONAL TREASURY'S CENTRAL SUPPLIER DATABASE

Respondents are required to self-register on National Treasury's Central Supplier Database (CSD) which has been established to centrally administer supplier information for all organs of state and facilitate the verification of certain key supplier information. PRASA is required to ensure that price quotations are invited and accepted from prospective bidders listed on the CSD. Business may not be awarded to a respondent who has failed to register on the CSD. Only foreign suppliers with no

local registered entity need not register on the CSD. The CSD can be accessed at <https://secure.csd.gov.za/>.

11 PROTECTION OF PERSONAL DATA

In responding to this bid, PRASA acknowledges that it may obtain and have access to personal data of the Respondents. PRASA agrees that it shall only process the information disclosed by Respondents in their response to this bid for the purpose of evaluating and subsequent award of business and in accordance with any applicable law.

Furthermore, PRASA will not otherwise modify, amend or alter any personal data submitted by Respondents or disclose or permit the disclosure of any personal data to any Third Party without the prior written consent from the Respondents. Similarly, PRASA requires Respondents to process any personal information disclosed by PRASA in the bidding process in the same manner.

12 EVALUATION METHODOLOGY

PRASA will utilise the following criteria in choosing a Supplier/Service Provider, if so required:

EVALUATION CRITERIA	WEIGHTING
Stage 1 – Compliance	
Stage 1- Mandatory Requirements	
Stage 2	
Price	80
Specific Goals	20
TOTAL	100
Stage 3– Compliance	
Stage 3- Other Mandatory Requirements	

13 ADMINISTRATIVE RESPONSIVENESS

The test for administrative responsiveness will include completeness of response and whether all returnable and/or required documents, certificates; verify completeness of warranties and other bid requirements and formalities have been complied with. Incomplete Bids will be disqualified.

14 VALIDITY PERIOD

14.1 PRASA requires a validity period of **60 Working Days** from the closing date.

14.2 Respondents are to note that they may be requested to extend the validity period of their response, on the same terms and conditions, if the internal processes are not finalized within the

validity period. However, once the delegated authority has approved the process the validity of the successful respondent(s)' bid will be deemed to remain valid until finalization of the award.),

15 PUBLICATION OF INFORMATION ON THE NATIONAL TREASURY E-TENDER PORTAL

Respondents are to note that, bid awards, amendments and cancellations will be published on the e-tender portal and or media used to advertise the bid. For the award of business, PRASA is required to publish the prices and preferences claimed of the successful and unsuccessful Respondents *inter alia* on the National Treasury e-Tender Publication Portal, (www.etenders.gov.za), on CIDB website for construction related RFQ's.

16 RETURNABLE DOCUMENTS

Returnable Documents means all the documents, Sections and Annexures, as listed in the tables below. There are three types of returnable documents as indicated below and Respondents are urged to ensure that these documents are returned with the quotation based on the consequences of non-submission as indicated below:

16.1. Mandatory Returnable Documents

Failure to provide Mandatory Returnable Documents at the Closing Date and time of this RFQ will result in a Respondent's disqualification. Respondents are therefore urged to ensure that all documents are returned with their Quotations.

SECTION 3

1 EVALUATION CRITERIA:

Bidders are to comply with the following requirements and failure to comply may lead to disqualification.

Stage 1 – Mandatory Requirements

If you do not submit/meet the following mandatory documents/requirements, you be will automatically disqualified.

Only bidders who comply with stage 1A will be evaluated further.

No.	Description of requirement	
a)	Section 1 - Invitation to Bid (SDB 1) <i>Must be completed & duly signed</i>	
b)	Section 6 - Declaration of Interest (SBD 4) <i>Must be completed & duly signed</i>	
c)	Section 4 - Pricing and Delivery Schedule <i>Must be completed & duly signed</i>	
d)	Section 9 - Bill of Quantities (BOQ) <i>Must be completed & duly signed</i>	
e)	Fibre tools must have a manufacturer or agent within South Africa that will be able to service or calibrate these equipment/tools (Letter of assurance must be supplied with quotations) .	
f)	DOCUMENTS TO BE SUBMITTED WITH THIS TENDER. The Supplier must submit in writing(on the signed company letterhead) with this tender , acknowledging that a. All test equipment shall include a factory warranty that equipment is free from defects in design, material, manufacturing, and operation. b. Factory warranty period shall be for 12 months from date of shipment. c. All tools should also have a 6-month guarantee. d. All testing/installation equipment should be serviced and calibrated by the supplier after 6 month or 12 months of delivery. e. All installation tools should be delivered within 3 weeks of the issue of the purchase order.	
g)	<i>Bidders must quote on all items on the BOQ.</i>	

h)	Bidders to fill and sign the closing /submission register on submission of tender documents, failure to comply will result in a disqualification from the tender process. <i>Must be completed & duly signed</i>	
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2.1 Stage 2 — Price and Specific Goals

The following formula, shall be used to allocate scores to the interested bidders:

The maximum points for this tender are allocated as follows:

DETAILS	POINTS
PRICE	80
SPECIFIC GOALS	20
TOTAL POINTS FOR PRICE AND SPECIFIC GOALS	100

FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

POINTS AWARDED FOR PRICE

THE 80/20 PREFERENCE POINT SYSTEMS

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

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

Where:

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

3 POINTS AWARDED FOR SPECIFIC GOALS

3.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be

supported by proof/ documentation stated in the conditions of this tender:

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
<u>Entities with a B-BBEE contributor status of at least level 2-</u> BEE cert/Affidavit (in case of JV, a consolidate scorecard will be accepted)	10 points	
51 % Black Owned-CIPC Documents/ B-BBEE Certificate/Affidavit	10 points	
Total	20 points	

Stage3 –Other Mandatory Requirements

If you do not submit/meet the following mandatory documents/requirements, PRASA may request the bidder to submit the information within five (5) working days. Should this information not be provided, your bid proposal will be disqualified.

Only bidders who comply with stage 3 will be evaluated further.

No.	Description of requirement	
a)	Supply of valid SARS Pin	
b)	CSD supplier registration number	

SECTION 4

PRICING AND DELIVERY SCHEDULE

Respondents are required to complete the attached Pricing Schedule **Annexure:**

- 1 Prices must be quoted in South African Rand, inclusive of all applicable taxes.
- 2 Price offer is firm and clearly indicate the basis thereof.
- 3 Pricing Bill of Quantity is completed in line with schedule if applicable.
- 4 Cost breakdown must be indicated.
- 5 Price escalation basis and formula must be indicated.
- 6 To facilitate like-for like comparison bidders must submit pricing strictly in accordance with this price schedule and not utilise a different format. Deviation from this pricing schedule could result in a bid being declared non-responsive.
- 7 Please note that should you have offered a discounted price(s), PRASA will only consider such price discount(s) in the final evaluation stage on an unconditional basis.
- 8 Respondents are to note that if price offered by the highest scoring bidder is not market related, PRASA may not award the contract to the Respondent. PRASA may:
- 9 Negotiate a market-related price with the Respondent scoring the highest points;
- 10 If that Respondent does not agree to a market-related price, negotiate a market-related price with the Respondent scoring the second highest points;
- 11 If the Respondent scoring the second highest points does not agree to a market-related price, negotiate a market-related price with the Respondent scoring the third highest points;
- 12 If a market-related price is not agreed with the Respondent scoring the third highest points, PRASA must cancel the RFQ.

I / We _____ (Insert Name of Bidding
Entity) _____ of

_____ code _____

(Full address) conducting business under the style or title of: _____
represented by: _____ in my capacity
as:

_____ being duly authorised,
hereby offer to undertake and complete the above-mentioned work/services at the prices quoted in the bills of
quantities / schedule of quantities or, where these do not form part of the contract, at a lumpsum, of
R _____ (amount in numbers);

_____ (amount in words) Incl. VAT.

DELIVERY PERIOD: Suppliers are requested to offer their earliest delivery period possible.

Delivery will be effected within working days from date of order. (To be completed by Service provider)

SECTION 5

PRASA GENERAL CONDITIONS OF PURCHASE

General

PRASA and the Supplier enter into an order/contract on these conditions to supply the items (goods/services/works) as described in the order/contract.

Conditions

These conditions form the basis of the contract between PRASA and the Supplier. Notwithstanding anything to the contrary in any document issued or sent by the Supplier, these conditions apply except as expressly agreed in writing by PRASA.

No servant or agent of PRASA has authority to vary these conditions orally. These general conditions of purchase are subject to such further special conditions as may be prescribed in writing by PRASA in the order/contract.

Price and payment

The price or rates for the items stated in the order/contract may include an amount for price adjustment, which is calculated in accordance with the formula stated in the order/contract.

The Supplier may be paid in one currency other than South African Rand. Only one exchange rate is used to convert from this currency to South African Rand. Payment to the Supplier in this currency other than South African Rand, does not exceed the amounts stated in the order/contract. PRASA pays for the item within 30 days of receipt of the Suppliers correct tax invoice.

Delivery and documents

The Supplier's obligation is to deliver the items on or before the date stated in the order/contract. Late deliveries or late completion of the items may be subject to a penalty if this is imposed in the order/contract. No payment is made if the Supplier does not provide the item as stated in order/contract.

Where items are to be delivered the Supplier:

Clearly marks the outside of each consignment or package with the Supplier's name and full details of the destination in accordance with the order and includes a packing note stating the contents thereof; On dispatch of each consignment, sends to PRASA at the address for delivery of the items, an advice note specifying the means of transport, weight, number of volume as appropriate and the point and date of dispatch; Sends to PRASA a detailed priced invoice as soon as is reasonably practical after dispatch of the items, and states on all communications in respect of the order the order number and code number (if any).

Containers / packing material

Unless otherwise stated in the order/contract, no payment is made for containers or packing materials or return to the Supplier.

Title and risk

Without prejudice to rights of rejection under these conditions, title to and risk in the items passes to PRASA when accepted by PRASA.

Rejection

If the Supplier fails to comply with his obligations under the order/contract, PRASA may reject any part of the items by giving written notice to the Supplier specifying the reason for rejection and whether and within what period replacement of items or re-work are required.

In the case of items delivered, PRASA may return the rejected items to the Supplier at the Supplier's risk and expense. Any money paid to the Supplier in respect of the items not replaced within the time required, together with the costs of returning rejected items to the Supplier and obtaining replacement items from a third party, are paid by the Supplier to PRASA.

In the case of service, the Supplier corrects non-conformances as indicated by PRASA.

Warranty

Without prejudice to any other rights of PRASA under these conditions, the Supplier warrants that the items are in accordance with PRASA's requirements and fit for the purpose for which they are intended, and will remain free from defects for a period of one year (unless another period is stated in the Order) from acceptance of the items by PRASA.

Indemnity

The Supplier indemnifies PRASA against all actions, suits, claims, demands, costs, charges and expenses arising in connection therewith arising from the negligence, infringement of intellectual or legal rights or breach of statutory duty of the Supplier, his subcontractors, agents or servants, or from the Supplier's defective design, materials or workmanship.

The Supplier indemnifies PRASA against claims, proceedings, compensation and costs payable arising out of infringement by the Supplier of the rights of others, except an infringement which arose out of the use by the Supplier of things provided by PRASA.

Assignment and sub-contracting

The successful Respondent awarded the contract may only enter into a subcontracting arrangement with PRASA's prior approval. The contract will be concluded between the successful Respondent and PRASA, therefore, the successful Respondent and not the sub-contractor will be held liable for performance in terms of its contractual obligations.

Governing law

The order/contract is governed by the law of the Republic of South Africa and the parties hereby submit to the non-exclusive jurisdiction of the South African courts.

BIDDER'S DISCLOSURE
1. PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

2. Bidder's declaration

2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest¹ in the enterprise,

employed by the state?

YES/NO

2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

2.2 Do you, or any person connected with the bidder, have a relationship with any person who

¹ the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:

.....
.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

2.3.1 If so, furnish particulars:

.....
.....

3 DECLARATION

I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

3.1 I have read and I understand the contents of this disclosure;

3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;

3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium² will not be construed as collusive bidding.

3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.

3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder,

² Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.

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

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....	
Signature	Date
.....	
Position	Name of bidder

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

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

1.2 The applicable preference point system for this tender is the 80/20 preference point system.

- (a) The lowest acceptable tender will be used to determine the accurate system once tenders are received.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- (a) Price; and
- (b) Specific Goals.

1.4 The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
Total points for Price and Specific Goals	100

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

(a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;

(b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;

(c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

(d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and

(e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

POINTS AWARDED FOR PRICE

THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

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

80/20

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

Where:

P_s = Points scored for price of tender under consideration

P_t = Price of tender under consideration

P_{min} = Price of lowest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—

(a) an invitation for tender for income-generating contracts, that the 80/20 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or

(b) any other invitation for tender, that the 80/20 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

then the organ of state must indicate the points allocated for specific goals for 80/20 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

(Note to organs of state: Where the 80/20 preference point system is applicable, corresponding points must also be indicated as such.)

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
<u>Entities with a B-BBEE contributor status of at least level 2-</u> BEE cert/Affidavit (in case of JV, a consolidate scorecard will be accepted)	10 points	
51 % Black Owned-CIPC Documents/ B-BBEE Certificate/Affidavit	10 points	
Total	20 points	

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm.....

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
 - ☐ One-person business/sole propriety
 - ☐ Close corporation
 - ☐ Public Company
 - ☐ Personal Liability Company
 - ☐ (Pty) Limited
 - ☐ Non-Profit Company
 - ☐ State Owned Company
- [TICK APPLICABLE BOX]

4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –

(a)disqualify the person from the tendering process;

(b)recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;

(c)cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;

(d)recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and

(e)forward the matter for criminal prosecution, if deemed necessary.

.....

SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME:

DATE:

ADDRESS:

.....

.....

.....

SECTION 7

SPECIFICATION/SCOPE OF WORK

SUPPLY AND DELIVER OF TELECOMMUNICATION TOOLS FOR MAINTENANCE OF TELECOMMUNICATION SYSTEMS

1. PROJECT PURPOSE

This project covers supply and delivery of telecommunication tools for the maintenance of the different systems and networks within PRASA.

2. SCOPE OF WORK

- a. To supply and deliver test equipment.
- b. To supply and deliver installation/maintenance tools.

3. WARRANTY/ GUARANTEE

- f. All test equipment shall include a factory warranty that equipment is free from defects in design, material, manufacturing, and operation.
- g. Factory warranty period shall be for 12 months from date of shipment.
- h. All tools should also have a 6-month guarantee.
- i. All testing/installation equipment should be serviced and calibrated by the supplier after 6 month or 12 months of delivery.
- j. Fibre tools must have a manufacturer or agent within South Africa that will be able to service or calibrate these equipment/tools (Letter of assurance must be supplied with quotations)

4. BASIC SPECIFICATIONS WITH FIGURES

a) 9pcs Torx Screwdriver Hole L Shape Female Hollow Bit Security Torx Screwdriver Set

Dimensions: 10cm x 22.5cm x 2.5cm

- For security type torx head screws, this set includes T10, T15, T20, T25, T27, T30, T40, T45 and T50

- Comes in a handy organizer

- Material: Metal

- Colour: Silver

- Weight: 300ga



b) Heavy duty HDPE resin folding chair.

Strong Heavy-Duty powder coated steel frame with HDPE resin seat and back.
Very comfortable and easy to store.

Colour: Cream/White Plastic and Grey Steel Frame.

Material: HDPE Plastic Seat and Plastic Backrest with a Steel Frame

Back Height: 79 cm

Seat Height: 45 cm

Seat Size: 39 X 39 cm

Weight: 4,5 Kg

Max Weight: 150 Kg



c) 86CM Square Resin folding plastic table.

Product Name: 86CM Square Folding Table

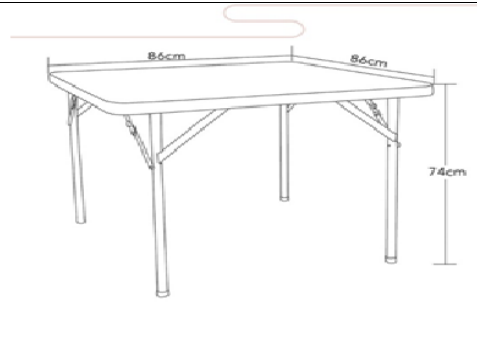
Unfolded Size: 86*86*74CM

Foldable Size: 86*86*4.5CM

Table Plate Material: HDPE
Thickness: 4.5cm

Frame Leg tube: 25*1.0mm+Powder coating

Material: HDPE Tabletop with Steel Frame



d) RJ 45 multipurpose crimper

Cut and strip flat cable by one option.

- Functions for 8P/RJ-45 and 6P/RJ-12, RJ-11
- All steel construction for long term durability
 - Crimps two sizes of plugs
 - Built-in cutter and stripper



- Precision ground
- Compact size, easy to handle
- Ratchet mechanism to keep tool closed when not in use

e) 3m x3m Heavy-Duty pop-up gazebo

3m x 3m Heavy Duty Steel Frame Gazebo Set with Heavy Duty Steel Frame Canopy 3 x sides and carry bag with wheels

- adjustable height legs (3.1m max to top of peak)
- Heavy duty powder coated steel frame
- Canopy x 1 – 250g polyester with PVC coating
- Sides x 3 – 420D waterproof Oxford fabric (x3) 2.9m x 1.95m each
 - Push button canopy locks
 - Quick and convenient Velcro attachments
- Main frame – 30 x 30mm 0.6mm thick
- Inner tube – 25 x 25mm 0.6mm thick
- Roof beam – 25x12mm 0.5mm thick
- Adjustable height – 198cm 191cm 184cm 177cm



f) 7inch 4K Camera Tester Engineering Treasure Video Surveillance Tester for CFTV IPC Tester Poe Testers Camera Tester

Product Overview

7-inch IPS touch screen, 1280*800 resolution

4K H.265 H.264 video display via mainstream.4K IP Camera test.

RJ45 cable TDR test, cable quality test.

POE, DC 12V power voltage test, HDMI input,1080P.

Tester Play: Tester, android version mobile phone, PC display at the same time.

Batch activate Hik camera.

Language support: English, Chinese, Korean, Russian, Italian, Polish ,Spanish, French or Japanese

Features:

New 7-inch IPS touch screen cctv tester,1280*800 resolution.

New- H.264 and H.265 ,4K video display via mainstream

IP & CVBS camera test, PTZ controller

New- Rapid video, just by one key to detect all network cameras and auto display

Rapid ONVIF, auto log in and display image from the camera, activate Hikvision camera, and also can create testing report

New- IP and analog testing at the same time, converter test from analog to digital with dual test window IP & CVBS

New- Screen management, change function's icons order, create new directory

New- Shortcut button, drop-down menu, can select PoE power, IP setting, WLAN switch, HDMI IN functions etc in any interface

Improvement cable tester, UTP cable, telephone cable etc order and connectivity test, can save testing report, if special number, need customized

New- RJ45 cable TDR test, test cable pair status, length, attenuation, reflectivity, impedance, skew etc

Tester Play (screen projection): tester, android version mobile phone and PC display at the same time

New- Screen lock, password lock and pattern lock are optional

New- HDMI signal input,720×480p /720×576p /1280×720p /1920×1080p /1024×768p/1280×1024p /1280×900p /1440×900p display image, record.

HDMI output, support 1080P

New- CVBS loop test, the tester sends and receive generator signal, to check BNC cable

New- Traffic monitoring of the tester "LAN port", display network port or WIFI connection real-time upload and download speeds and other network parameters

New- Customers self-update software, you can install apps with android version, such as Skype, WeChat etc

ONVIF camera test, support 2592*1520, Network PTZ controller (ONVIF)

Built in Wi-Fi, display image from the wireless camera, create WIFI hotspot

New- 4K video files and MKV/MP4 media files play

PoE DC48V power output, Max power 24W,12V /2A power output/5V 2A power output, as a power bank

New- Quick office, quick office app (support excel, word, ppt format) doc. editable

8GB SD card including

IP discovery, it can auto-scan the whole network segment IP, and auto-modify tester's IP address

Display its genuine resolution of the IP camera images

Supports more than 30 protocols such as PELCO-P, PELCO-D.

Enhanced generator, PAL/NTSC multi-system video generator

POE voltage measurement, PING test, IP address scan, port flashing etc

Audio in /out, support record and save the audio/LED lamp, calculators, music players and other application tools

7.4 V /5400mAh Lithium Ion Polymer Battery, after 5~6 hours charging, working time lasts 10 hours.



g) Binoculars 10x50

- Field of View (ft. at 100yds./m at 100m): 367/122
- Weight (oz./g): 27/770
- Magnification X Objective Lens: 10x 50mm
- Size Class: Standard
- Focus System: Centre
- Prism System: Porro
- Lens Coating: Fully Coated
- Close Focus (ft): 18
- Model: 170150
- Color: Black



h) ACS-2 Armoured Fibre Cable Slitter 4-10mm Armoured Cable Jacket Stripper

- Versatile design allows jacket or shield slitting on non-fiber optic cables as well
- Tool slits outer polyethylene jacket and Armor in one operation
 - Performs longitudinal slitting and circumferential (ringing) for end stripping
- Blade rotates 90 degrees by activating blade lever, allowing easy mid-span preparation (ringing and slitting)
- ACS 2 is adjustable from 0.157 in. (4 mm) to .393 in. (10 mm) for smaller cable O.D. options
- Adjustable blade depth to 5.5 mm maximum to accommodate different cable jackets
- Cable guide wheel provides cable stability and allows for easier tool movement along the cable
- Rugged anodized aluminium and steel construction



i) Rotary Coaxial Cable Wire Stripping Stripper Cutter Stripper for RG-59 / 6 / 58 Network Tool Computer Networking (Grey)

- Stripper Tool, RG6, RG58, RG59
- Cable crimp Tools for all types of Terminals, Connectors
 - It is suitable for crimping connectors onto RG6 RG8, RG11, RG213, LMR-400
- High quality light-weight stripper is perfect for anyone working on electronics or other precision work
 - Crimp cable and Connector
 - Strip Cable



- Compression Connector
- Crimp Telephone Wiring

j) 180mm Diagonal cutter pliers

- Dimensions: 23.5 x 9 x 23.5cm
- Weight: 0.29kg
- Material: Stainless steel
- Durable hardened edge for wire cutting and electrical work
- Satin finish
- Drop forged carbon steel
- Induction hardened edges for cleaner cutting and durability
- Non-slip cushion rubber grips for comfort
- Nickel plated



k) 92-piece socket set

- 1/4" 2C lever reversible ratchet, 72 teeth | 150 mm
- 1/4" square plug-in handle 165 mm
- 1/4" socket hexagon 4 4.5 5 5.5 6 7 8 9 10 11 12 13 mm
- 1/4" socket hexagon 4 5 6 7 8 9 10 11 12 13mm | 50 mm
- 1/4" socket extension 50 100 mm

1/4" sliding T-bar with slider | 115 mm

1/4" universal joint | 32 mm

Bit holder 1/4" hex x 1/4" hex with
magnet | 60 mm

Bit adapter 1/4" sq. x 1/4" hex | 25 mm
Drive adapter 1/4" hex x square with ball
lock | 25 mm

1/4" bits in-hex 3 4 5 6 8 10 | 25 mm

1/4" bits slotted 4 5.5 7 | 25 mm

1/4" bits crosshead PH 0 1 2 3 4 | 25 mm

1/4" bits crosshead PZ 1 2 3 | 25 mm

1/4" bits Tx T8 T10 T15 T20 T25 T27 T30
T40 | 25 mm

5/16" bits socket Tx T45 T50 T55 | 30 mm

1/2" 2C lever reversible ratchet,
_x001F_ne-toothed, 72 teeth | 250 mm

1/2" socket hexagon 10 11 12 13 6 15 17
19 22 24 27 30 32 mm

1/2" spark plug socket 21 mm (13/16") |
65 mm

1/2" socket extension 125 250 mm

1/2" universal joint | 65 mm

Socket extension piece/slider 3/8" x 1/2"
| 44 mm

Bit adapter 1/4" square x 5/16" hex | 38
mm

Double swivel head wrenches 8x9 10x11
12x13 14x15 mm

Combination spanners 8 10 12 13 14
17mm

Hexagon socket key 1.5, 2 2.5 mm



l) 250mm cable cutter

Force Cable Cutters 250mm Long Hardened Steel Cutting Jaws 12mm Max Cut Diameter Lifetime Warranty Coating: Polished Blade and Black Body Long, ergonomically designed handles for extended reach and enhanced leverage. Designed for fast & efficient cutting of aluminium & copper wires	
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m) Telescopic Fiberglass Pole

Material: Fiberglass Type: Telescopic characteristic: Insulation Name: Fiberglass Telescopic Link Stick Specification: 33KV Feature: Triangular Shape Length: 10 meters (8 parts)	
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n) Digital Multimeter

- DIY
 - Continuity
 - Diode
 - Data hold
 - DC Voltage (V): 200mV, 2, 20, 200, 600V ($\pm 0.5\%$ + 4 Digit)
 - AC Voltage (V): 200, 500V ($\pm 1.2\%$ + 10 Digit)
 - DC Current (A): 200mA, 2mA, 20mA, 200mA, 10A ($\pm 1.0\%$ + 2 Digit)
 - Resistance (Ω): 200, 2k, 20k, 200k, 20M Ω (0.8% + 10 Digit)
 - Temperature ($^{\circ}\text{C}$): -20°C to 1000°C ($\pm 1.0\%$ + 3 Digit)
 - Counts: 3 -1/2 Digits (1 999 Counts)
 - Power Source: 1 x 9V Battery
 - Standard Accessories: Temp Probe
- TBMTEMPPROBE



o) Fiberglass Wonder Ladder

- 3.48m Multipurpose stepladder
 - Fibreglass Stile sections
 - Steel locking hinges
- Construction stabiliser bar at the base
 - Rubber non-slip feet
 - Load Capacity: 135kg
- An electroplated platform can be added as an optional extra that can be used as a secure standing platform for indoor painting or maintenance etc



p) Telescopic Ladder

- Telescopic Ladder 3.8m
- Easy to store
- Ideal for use as a loft ladder and for around the home/workplace
- Great for cleaning windows, painting, decorating etc.
 - Safely easy-to-use locking mechanism
- Quickly & easily extends rung by rung to the required height
 - Soft close anti pinch finger protection
 - Easily extends
- Materials: Aluminium frame, PVC heavy duty sides
 - Approx. Max load: 150kg



q) Chain Block

A labor-saving chain hoist. The loaded chain is made of G80 manganese steel and the pulling chain is galvanized steel (rust-resistant). Ratchet type brake safety design prevents loaded chain from dropping.

Capacity 250

Standard Lift Height (m) 2.5

Running test load 1000

The min distance between hooks (mm) 270

Pull to lift-full load (N) 309

No. of loaded chains (mm) 1

Load chain diameter (mm) 8



r) Gas blow Torch Self ignite.

- Screw-able cartridge holder
- Uses 190g butane cartridge
 - Piezo Self-Ignition
- Anti-Flare Brass Nozzle



s) Telecommunications Tool Kit

The telecommunication tool kit must comprise of the following basic items.

1. Cable Tie, (Pkt 100) 2.5mm X 104mm
2. Mirror, Swivel Plastic
3. S/Driver, Neon 100-500 Volt, 3x40mm Blade
4. S/Driver, Jeweller 4 Flat&Ph0 in Handle
5. Wrist Strap, 3snap 4ban/Croc Clp S/Blue
6. Cord, Grounding 10mm, Snap & Eye 1.5m S2
7. Magnetic Pickup, Telescopic & Pen 630mm
8. Volta Lert, Non-Contact Voltage Detector
9. Tweezer, Universal 1mm Tip 115mm
10. Tweezer, Universal Bent 1.5mm Tip 150mm
11. Tape Measure 3m, 12ft Met. /Imp.
12. Plier, Water Pump 7" 175mm
13. Cutter, Side - Heavy Duty, Redline 140mm
14. Cutter, Side Box Joint Senso Plus 115mm
15. Plier, Snipe - Serrated Jaw S/Plus 150mm
16. Plier, Combination 160mm
17. Nut Driver 5.0mm
18. Nut Driver 8.0mm
19. Nut Driver 10.0mm
20. S/Driver, Engineers 5x75mm
21. S/Driver, Engineers 7x125mm
22. S/Driver, Philips 0x60mm
23. S/Driver, Philips 1x80mm
24. S/Driver, Philips 2x100mm
25. S/Driver, Pozi 1x80mm
26. S/Driver, Stubby Slot 1/4" 6.5x25mm
27. S/Driver, Stubby Philips 1x25mm
28. S/Driver, Electrician 3.0x75mm
29. S/Driver, Electrician 5.0x150mm
30. Knife, Trimming Retractable 160mm
31. Torch Penlight Aluminium 1w 2aa
32. Solder Dispenser + 2.5m Solder
33. Screw Starter, Torx/Pozi/Philips Screws
34. Brush 25mm Everyman
35. Insulation Tape, Nitto 18mmx20m Black
36. Hammer, 100g Ballpein
37. Sponge For Magnum Solder Stations
38. Soldering Iron 50w 220v, Temp Control
39. Desolder Tool Mini Silver #38450040
40. Scissor 150mm Straight Sharp/Sharp
41. Needle Holder, 150mm, Serrated Jaws
42. All Purpose Water Repelling Penetrating
43. Nick Knacks Parts Tube
44. Case, Black Vinyl, 490x360x170mm
45. Foam Top For 1708 Toolkit 0196
46. Foam For 1608/1708 Bottom Layer 0195

- 47. Tray Large For 17/1800 Kits 425x333x25mm
- 48. Table Mat 430mmx315mm Toolkit Lid Beige
- 49. File Handle, Small Plastic 85mm
- 50. File Flat 150mm Second Cut
- 51. Multitool Black
- 52. Shifter, Phosphate Finish 150mm
- 53. Wire Stripper and Cutter #43200100
- 54. Side Cutter Blue Handles on Display Card
- 55. Black Tool Case to House All Above Equipment



t) Fibre Optic Quick Connector for Optical Fibre Mechanical Splice

Features:

Metal V groove design, optical fibre butt precision is high, technical indicators are excellent.

The core structure: the box structure design, good sealing performance, matching fluid is not easy to lose, weather resistance is strong.

Applicable optical cable: suitable for any combination of 0.25mm optical fibre and 0.9mm optical fibre.

Simple operation, fast construction speed, high success rate of installation, long life cycle, simple and convenient maintenance later.

Application for FTTH engineering and optical cable repair.

10 pieces per box

Specification:

Fibre diameter: 125 μ m (657A & 657B)

Tight cladding diameter: 250µm & 900µm
 Applicable mode: single mode; multi-mode
 Bare fibre tightening force: >5N
 Clamping force of tight package: >8N
 Operating temperature: -40~75°C
 Repeated use: IL≤0.2dB RL≤5dB
 Material: Plastic
 Length: app.4.5cm /1.77in



u) FL-600 light source

Model	12D	23BL	23BL	23BL
Central wavelength (nm)	850 ± 25	1310 ± 20	1310 ± 20	1310 ± 20
	1300 +50/-20	1300 +50/-20	1550 ± 20	1550 ± 20
Spectral width b (nm)	1490 ± 10	1625 ± 15	1550	
	± 20			
	50/135	≤5	≤5	≤5

Output power (dBm)	$\geq -20 / \geq -20$ (62.5/125 μm)	$\geq 1 / \geq 1$	$\geq 1 / \geq -3 / \geq -5$	$\geq 1 / \geq -4.5 / \geq -3$
	8h	± 0.1	± 0.1	± 0.1
Auto-switching	yes			
Power stability c (dB 15 min)	± 0.05	± 0.03	± 0.03	± 0.03
Tone generation	270 Hz	1 kHz	2 kHz	
Battery life (hours/typical in Auto mode)	50 hours			
Warranty (years)	3 years			

Up to three singlemode wavelengths (1310 nm, 1550 nm, and 1490 nm or 1625 nm) on a single port, or four wavelengths (850/1300 nm and 1310/1550 nm) on two ports

Three year warranty for low cost of ownership

Error-free, time-saving test features

Controlled multimode launching output.

EF Ready: use with external launch mode conditioner for

EF-compliant multimode results



v) MAX TESTER 730c – HANHELD OTDR

Display 7-in (178-mm) outdoor-enhanced touchscreen, 800 x 480 TFT

Interfaces Two USB 2.0 ports

RJ45 LAN 10/100 Mbit/s

Storage 2 GB internal memory (20 000 OTDR traces, typical)

Batteries Rechargeable lithium-polymer battery

12 hours of operation as per Telcordia (Bell core) TR-NWT-001138

Power supply Power supply AC/DC adapter, input 100-240 VAC, 50-60 Hz

Wavelength (nm) b 1310 ± 20/1550 ± 20/1625 ± 10/1650 ± 15

Live wavelength (nm) 1650

Isolation: 50 dB from 1265 nm to 1617 nm

Dynamic range (dB) c 39/38/39/39

Event dead zone (m) d 0.5

Attenuation dead zone (m) e 2.2

PON dead zone (m) f 30

Distance range (km) 0.1 to 400

Pulse width (ns) 3 to 20 000

Linearity (dB/dB) ±0.03

Loss threshold (dB) 0.01

Loss resolution (dB) 0.001

Sampling resolution (m) 0.04 to 10

Sampling points Up to 256 000

Distance uncertainty (m) g $\pm(0.75 + 0.0025 \% \times \text{distance} + \text{sampling resolution})$

Measurement time User-defined

Reflectance accuracy (dB) b ±2

Typical real-time refresh (Hz) 4

Swap out connector, iOLM ready

Single mode with 1310/1550/1625nm, 39/37/37dB (9/125µm)

Built in VFL + Power Meter (Gex detector)

Carry case for instrument and accessories

Power range (dBm) –60 to 23

Power uncertainty (dB) h, i ±0.5

Calibrated wavelengths (nm) 1310, 1490, 1550, 1625, 1650

Selectable wavelengths (nm) 1310, 1490, 1550, 1577, 1625, 1650

Tone detection 270 Hz/330 Hz/1 kHz/2 kHz

Power range (dBm) –60 to 23

PON power meter (nm) Two channels: 1490/1550 and 1490/1577

Power uncertainty (dB) ±0.5

Calibrated wavelengths (nm) 1310, 1490, 1550, 1625, 1650

Selectable wavelengths (nm) 1310, 1490, 1550, 1577, 1625, 1650, 1490/1550, 1490/1577



w) OPTICAL POWER EXPECT (PX1 – Plus H)

Dimension 133 mm x 78 mm x 30 mm (5 ¼ in x 3 in x 1 1/8 in)

Display size 71 mm (2.8 in)

Weight (with battery) 225 g (0.5 lb)

Display type Color display with capacitive touchscreen

Interface languages Chinese (Simplified and Traditional), English, French, German, Russian, Spanish

Battery charging < 3 hours charging time, when unit is off

USB Type C charging port connector

AC/DC charger/adaptor input: 100 - 240 V; 50/60 Hz; 1.0 A max, output: 5 V; 2 A

Battery autonomy 10 h (continuous use)

Interfaces Bluetooth 5.0 with BLE

USB Type C

Storage capacity 1000 test results for local reading

Reporting Two methods available:

- Connect PX1 to smartphone via Bluetooth. Generate and share PDF reports via EXFO application.
- Transfer results to a PC via USB cable and generate reports with Fast Reporter software.

Warranty 3 years

Calibration interval 3 years

Temperature Storage f

Operating

–40 °C to 70 °C (–40 °F to 158 °F)

–10 °C to 50 °C (14 °F to 122 °F)

Optical Power Expert with SC & LC

High Power (+26 to -50dBm), 780 to 1650nm range.

45 Calibrated Wavelengths organized in bundles.

Wavelength edition (1nm steps)

Auto wavelength recognition/switching with Tone detection

Storage and report capable (via TestFlow Mobile App)



x) TYPE-72C+ FUSION SPLICER

Item		Type72C+
Optical fibre requirements	Material	Silica glass
	Fibre count/profile types	Single/SFM(G.651-G.657)
	Fibre diameter	Cladding diameter:80-150um
	Cleave length	5-16mm with coating clamp
Standard performance	Splice loss	SMF:0.1dB,MMF:0.1dB,
	Return loss	60dB or greater
	Splice time	5sec
	Heating time	8sec
	Splice & heat cycles per battery	Aprox 320 (BU-16)
	Fiber view & magnification	2 cmos camera
	Proof test	1.96-2.09N
	Applicable protection sleeve	60mm, 40mm & sumitomo slee
Power supply	AC input	AC 100-240V, 50/60Hz
	DC input	DC 10-15V
	Battery pack	Li-ion 10.8V, 6400mAh (BU-16)

Now with NanoTune technology for unrivalled alignment and splice quality on poorly cleaved fibres.

GPS-enabled for asset managed tracking

WiFi enabled for result download and maintenance via Sumicloud smartphone application (Android & IOS)

Fully Automatic, True Core Alignment with 5" touch display

FCK-02 Basic fibre cleaning kit with preparation tools.

FC-6R+ Precision cleaver with auto-rotation blade

3-Year Warranty & One-year Maintenance Plan

Fibre Types: SMF, MMF, NZ-DSF, DSF and CSF.

Mean Loss: SMF 0.01dB, MMF 0.01dB

Splicing 100µm to 1mm coated fibres (Incl. Loose-buffer tails)

Ultra-Fast Splice mode ± 5 seconds, Data Storage 10 000 splices

Hard Carry Case, Spare Electrodes, Power Supply, Dual Heat Oven, Battery



y) RTU Remote terminal unit Hardware and Software

Fibre Application Software (Unlimited remote users)

FMS Management Software with GIS capabilities.

For 1 new RTUs

Customer to provision and maintain one of the following two environments of their choice: Cloud or Bare Metal Server

Auto wavelength recognition/switching with Tone detection

Storage and report capable (via Test Flow Mobile App)

3-year warranty and recommended calibration interval

Fibre Hardware (Remote Test Units)

OTH-7000 Rackmount 1/2U height

Standard model with fixed number of test ports

- Filtered 1650nm, 42 dB

- Linux OS

- Dual Core Processor
- Storage: > 16 GB
- "- Interfaces:
 - > G. ethernet (optical and electrical) interfaces
 - > USB 2.0 ports (qty:5)
 - > BLE (Bluetooth Low Energy)"
- 16x Ports with LC-APC Connectors
- DC Power Supply
- 19" Rack mount kit

Professional Services incl. Install, Commissioning and Training

Remote FMS Validation and Installation

RTU Installation of 1x site

Fibre User Training with FMS-GIS for System

Remote System Acceptance

Project Management AND Support maintenance Services, Annual support - Basic – 1st year

Basic support package includes:

- Web Portal access with basic package SLA
- HW Warranty Repair or Replacement (30-day TAT)

5. TIME FRAME FOR DELIVERY OF TOOLS

- a. All installation tools should be delivered within 3 weeks of the issue of the purchase order otherwise stated during quotation period.

SECTION 8

1. BILL OF QUANTITIES

Attached you will find the bill of quantities.

TELECOMS TOOLS				
No	ITEM	QTY	UNIT	AMOUNT
a	9pcs Torx Screwdriver Hole L Shape Female Hollow Bit Security Torx Screwdriver Set	8	Each	
b	Heavy duty HDPE resin folding chair	6	Each	
c	86CM Square Resin folding plastic table	4	Each	
d	RJ 45 multipurpose crimper	8	Each	
e	3m x3m Heavy-Duty pop-up gazebo	2	Each	
f	7inch 4K Camera Tester Engineering Treasure Video Surveillance Tester for CFTV IPC Tester Poe Testers Camera Tester	2	Each	
g	Binoculars 10x50	2	Each	
h	ACS-2 Armoured fibre Cable Slitter 4-10mm Armoured Cable Jacket Stripper	8	Each	
i	Rotary Coaxial Cable Wire Stripping Stripper Cutter Stripper for RG-59 / 6 / 58 Network Tool Computer Networking (Grey	4	Each	
j	180mm Diagonal cutter pliers	4	Each	
k	92-piece socket set	8	Each	
l	250mm cable cutter	8	Each	
m	Telescopic fiberglass pole	2	Each	

n	Digital Multimeter	4	Each	
o	Fiberglass wounder ladder	4	Each	
p	Telescopic Ladder	2	Each	
Q	Chain Block	2	Each	
R	Gas blow torch with self-ignite	4	Each	
S	Telecommunications Tool Kit	2	Each	
T	Fibre Optic Quick Connector for Optical fibre Mechanical Splice	10	Box	
U	FL 600 light source	1	Each	
V	Max tester 730C Handheld OTDR	1	Each	
W	PX1-plush-H Optical power expect	1	Each	
X	TYPE-72C+ FUSION SPLICER	1	Each	
y	Supply, Install, commission and training of RTU	1	Each	
		Sub total		
		VAT		
		Total		