Midvaal Local Municipality
PO Box 9, Meyerton, 1960
Tel: 016 360 7400
Fax: 016 360 7519
www.midvaal.gov.za

7 DAY TENDER	
FORMAL TENDER	X
CIDB TENDER	

COMPETITIVE BID

8/2/9/2 (2022-2025)
BID FOR THE SUPPLY, DELIVERY, INSTALLATION, AND REPAIRS OF TWO-WAY RADIOS SERVICES FOR MIDVAAL LOCAL MUNICIPALITY FROM DATE OF AWARD UNTIL 30 JUNE 2025

PRE-QUALIFICATION CRITERIA:	**N/A**		
COMPULSORY BRIEFING SESSION:	**N/A**		
DATE:	**N/A**	**TIME:**	**N/A**
CLOSING DATE:	**26 January 2023**	**TIME**	**10H00**

FULL NAME OF TENDERING ENTITY:			
ENTITY REGISTRATION NUMBER			
COMPANY ADDRESS:			
CONTACT PERSON:			
TEL NO:		**CELL NO:**	
FAX NO:		**EMAIL:**	
CENTRAL SUPPLIER DATABASE (CSD) NO:			
MIDVAAL VENDOR NO. (NOT COMPULSORY):			
TOTAL BID PRICE/VALUE (INCLUDING VAT) (R):		IGNORE IF RATES BASED	

Initials:

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Initials:

IMPORTANT INFORMATION RELATING TO THIS BID

MIDVAAL LOCAL MUNICIPALITY

Initials:

BID NUMBER:	**8/2/9/2 (2022-2025):**		
MUNICIPAL NOTICE NUMBER:	**MN3461/22**		
CLOSING DATE:	**26 January 2023**	**TIME:**	**10H00**
ADVERT DATE:	**12 December 2022**	**VALIDITY PERIOD:**	**90 days**
VALIDITY EXPIRY:	**26 April 2023**		

BIDS SUBMISSION

Bids are to be sealed in an envelope marked with the relevant bid number and description as indicated on the bidding documents and are to be placed in the tender box situated at:

Block A – Ground Floor, 25 Mitchell Street, Meyerton, 1961

Bids are to be submitted between 07:30 and 16:00, Mondays to Fridays, prior to the closing date and time. No late submissions will be considered.

Please Note:

1. Bidders are requested to **initial each page** of the bid document.
2. **No** faxed or e-mailed tenders will be accepted.
3. All tenders must be submitted on the official forms **(not to be typed OR re-typed)**. **Only original** signed tender documents will be accepted.
4. Bids submitted for consideration **must be 'written' meaning by hand in black ink or any form of electronic or mechanical writing. No correction** fluid will be allowed, especially on the pricing schedule or BOQ. **All alterations** must be crossed-out and initialled/signed
5. Where a **compulsory briefing session** is required, it is the onus of the bidder to attend and arrive in time. Late arrivals will not be allowed to sign the attendance register and will be deemed to be absent. **No bids will be considered** from bidders who did not attend the compulsory briefing session.
6. Midvaal Local Municipality **will not accept** any bid with **missing pages** and **not fully completed** with the **required attachments.**
7. **Failure to adhere to the above will result in your bid not being further evaluated.**
8. **REGISTRATION AS A VAT VENDOR**

Initials:

8.1 Non-VAT vendors do not have to include VAT in their bid prices, however they must submit bids for contracts that would, if successful, take their annual turnover above the threshold of R 1 million must include VAT in their price quoted and must therefore immediately upon award of the contract, register with the South African Revenue Service (SARS) as VAT vendors.

8.2 The award of contract would be (for Non-VAT vendors who included VAT in their prices) conditional pending the successful bidder submitting proof of registration as VAT vendor with SARS within 21 days of award.

8.3 In all instances where the bidder has excluded VAT from the prices quoted, if the bidder is successful, the letter of contract will clearly state that the price at which the contract is award is exclusive of VAT and that VAT will not be added on at any stage after the contract has been signed.

8.4 The successful bidder will have to absorb the adverse financial implications of not including VAT in the price quoted.

EVALUATION OF BIDS

1. Bids will be evaluated and according to the following criteria:

    a. Relevant specifications and where applicable, technical proposals;
    b. Value for money;
    c. Capability and ability to execute the contract;
    d. Midvaal SCM Policy, PPPFA and its Regulation as well as any other relevant legislations; and
    e. Supporting documents where required

2. Bidder's attention is specifically drawn to the provisions of the rules and specifications which are included in the bid documents.

3. The Council reserves the right to accept any bid or part thereof and does not bind itself to accept the lowest or any bid.

4. No bids will be considered from persons in the service of the state.

NB: THIS BID IS SUBJECT TO THE SPECIAL CONDITIONS OF CONTRACT AND GENERAL CONDITIONS OF CONTRACT

MIDVAAL LOCAL MUNICIPALITY

TENDERING ENTITY OWNERSHIP DETAILS

NAME OF PERSON / ENTITY	% OF SHARES OWNED
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	

NB: Please feel free to add a separate page and attach behind this page if the provided space is not enough. Alternatively attach a shareholding certificate.

What percentage of the company is owned by **youth** _____**%; women** _____**%** and **people with disabilities** _____**%**

MIDVAAL LOCAL MUNICIPALITY

Initials:

BIDDER'S ATTACHMENTS CHECKLIST

ADMINISTRATIVE COMPLIANCE:

	DESCRIPTION	BIDDER'S CHECKLIST
1	Certified copy of the signed resolution by all directors authorising a director/ other official of the company to sign the documents on behalf of the company.	☐YES ☐NO
2	Current Water and Lights / Rates and Taxes obtainable from the local or metropolitan municipality.	☐YES ☐NO
3	In a case of a Joint Venture (JV)/ Consortium, the JV agreement.	☐YES ☐NO
4	Valid B-BBEE certificate or Completed or signed Sworn Affidavit The municipality only considers B-BBEE certificates from SANAS accredited agencies as well as certificates and sworn affidavits from the DTI.	☐YES ☐NO

BIDDER'S AUTHORISED SIGNATORY:

Full Names and Surname: _____ Signature: _____

MIDVAAL LOCAL MUNICIPALITY

MIDVAAL LOCAL MUNICIPALITY INDEMNITY

1. The Contractor hereby agrees to indemnify, hold harmless and defend Midvaal Local Municipality and their officers, employees, agents and representatives, from and against the following liabilities arising as a result of the execution of the work:

   1.1 Any liability with regard to claims by governmental authorities or others for non-compliance by Contractor of any Act of Parliament, law, ordinance, regulation or by-law made by a lawful authority provided that such compliance therewith was required for the execution of the Contract or at Law.

   1.2 Any liability arising from actual or alleged public or private nuisance arising out of negligent acts or omissions to act of Contractor or its Subcontractors, or of their employees.

   1.3 Any liability arising from loss or damage to Contractor and/or Subcontractor's equipment and their other property on site.

   1.4 Any liability arising from claims with regard to the death of/or injury or sickness or disease to Contractor' employees or the death of/or injury or sickness or disease to third parties.

   1.5 Any liability arising from any loss of/or damage to property belonging to a third party.

   1.6 Any liability arising from actual or asserted infringement or improper appropriation or use of patents, copyrights, proprietary information or know-how in respect of the work designed by/or under the responsibility of the Contractor.

   1.7 Any liability arising from the death or injury or loss or damage to property of third parties or Midvaal Local Municipality's property as a result of the negligent acts or omissions of contractors or its subcontractor's employees.

   1.8 Contractor shall indemnify Midvaal Local Municipality against all claims, proceedings, damages and costs of whatsoever nature arising out of contravention of environmental legislation.

   I, _____ the undersigned (duly authorised to sign) hereby declare that I have read and understood the abovementioned and agree to all the above.

BIDDER'S AUTHORISED SIGNATORY:

Full Names and Surname: Signature:

_____ _____

CONSENT AND ACKNOWLEDGEMENT IN TERM OF PROTECTION OF PERSONAL INFORMATION ACT 2013

Initials:

CONSENT AND ACKNOWLEDGMENTS IN TERMS OF THE PROTECTION OF PERSONAL INFORMATION ACT 2013 (POPI)

This section sets out how personal information will be collected, used and protected by Midvaal Local Municipality hereinafter referred to as "MLM", as required by the Protection of Personal Information Act. The use of the words "the individual" for the purposes of this document shall be a reference to any individual (bidder) communicating with MLM and/or concluding any agreement, registration or application, with the inclusion of each of those individuals referred to or included in terms of such agreement, registration or application.

1. What is personal information?

The personal information that MLM requires relate to names and surnames, birth dates, identity numbers, passport numbers, demographic information, education information, occupation information, health information, addresses, memberships, and personal and work email and contact details.

2. What is the purpose of the collection, use and disclosure (the processing) of personal information?

MLM is legally obligated to collect, use and disclose personal information for the purposes of:

- reporting MLM initiatives to the Gauteng Provincial Treasury and Sedibeng District Municipality;
- reporting to National Treasury all contracts awarded;
- obtaining information related to Tax Compliance information from SARS;
- Verifying information on the National Treasury database of defaulters;
- evaluating and processing applications for registration on the database;
- compiling statistics and other reports;
- providing personalised communications;
- complying with the law; and/or
- for a purpose that is ancillary to the above. Personal information will not be processed for a purpose other than what is identified (the purpose) above without obtaining consent beforehand.

3. How will MLM process personal information?

MLM will only collect personal information for the purpose as stated above. Information will be collected in the following manner:

- directly from the individual;
- from service providers who provided with services or goods to MLM;
- from MLM's own records relating to previous supply of services or goods; and/or
- from a relevant public or equivalent entity.

4. To whom will personal information be disclosed?

The personal information may be disclosed to other relevant public or other entities on whose behalf we act as intermediaries, other third parties referred to

above in relation to the purpose or who are sources of personal information, service providers such as professional bodies who operate across the borders of this country (transborder flow of information) where personal information must be sent in order to provide the information and/or services and/or benefits requested or applied for. In the event of another party/ies acquiring all of or a portion of MLM's mandate or functions, personal information will be disclosed to that party but they will equally be obliged as we are, to protect personal information in terms of this policy and the law.

5. Consent and Permission to process personal information:

I hereby agree with the policy and provide authorisation to MLM to process the personal information provided for the purpose stated.

- I understand that withholding of or failure to disclose personal information will result in MLM being unable to perform its functions and/or any services or benefits I may require from MLM.
- Where I shared personal information of individuals other than myself with MLM I hereby provide consent on their behalf to the collection, use and disclosure of their personal information in terms of this personal information policy and I warrant that I am authorised to give this consent on their behalf.
- To this end, I indemnify and hold MLM not responsible in respect of any claims by any other person on whose behalf I have consented, against MLM should they claim that I was not so authorised.
- I understand that in terms of POPI and other laws of the country, there are instances where my express consent is not necessary in order to permit the processing of personal information, which may be related to police investigations, litigation or when personal information is publicly available.
- I will not hold MLM responsible for any improper or unauthorised use of personal information that is beyond its reasonable control.

6. Rights regarding the processing of personal information:

- The individual may withdraw consent to the processing of personal information at any time, and should they wish to do so, must provide MLM with reasonable notice to this effect. Please note that withdrawal of consent is still subject to the terms and conditions of any contract that is in place. Should the withdrawal of consent result in the interference of legal obligations, then such withdrawal will only be effective if MLM agrees to same in writing. MLM specifically draws to the attention that the withdrawal of consent may result in it being unable to provide the requested information and/or services and/or financial or other benefits.
- In order to withdraw consent, please contact the Information Officer at Johannesm@midvaal.gov.za
- A copy of the full MLM policy is available at our offices, situated at Head Office, 25 Mitchell Street, Meyerton, 1961, South Africa.
- Individuals are encouraged to ensure that where personal information has changed in any respect to notify MLM so that our records may be updated.

Initials:

MLM will largely rely on the individual to ensure that personal information is correct and accurate.

- The individual has the right to access their personal information that MLM may have in its possession and are entitled to request the identity of which third parties have received and/or processed personal information for the purpose. Please note however, that any request in this regard may be declined if:

  - the information comes under legal privilege in the course of litigation,
  - the disclosure of personal information in the form that it is processed may result in the disclosure of confidential or proprietary information,
  - giving access may cause a third party to refuse to provide similar information to MLM,
  - the information was collected in furtherance of an investigation or legal dispute, instituted or being contemplated,
  - the information as it is disclosed may result in the disclosure of another person's information,
  - the information contains an opinion about another person and that person has not consented, and/or
  - the disclosure is prohibited by law.

7. Requesting access and lodging of complaints:

- Please submit any requests for access to personal information in writing to MLM's information officer at Johannesm@midvaal.gov.za
- With any request for access to personal information, MLM will require the individual to provide personal information in order to verify identification and therefore the right to access the information.
- There may be a reasonable charge for providing copies of the information requested.
- If any request has not been addressed to satisfaction a complaint may be lodged at the office of the Information Regulator.

Signature:	Date**:**

MUNICIPAL SERVICES, RATES AND TAXES

MIDVAAL LOCAL MUNICIPALITY

Initials:

MUNICIPAL SERVICES, RATES AND TAXES CLEARANCE CERTIFICATE FOR SUPPLY CHAIN MANAGEMENT PURPOSE

The purpose of this form is to obtain prove that municipal services, rates and taxes of the service provider are **not more than three months in arrears** with the relevant municipality / landlord in the municipal area where the service provider conduct his / her business.

Where bidders are not owners of a property and cannot submit a copy of the municipal account, the following must be completed together with a dually signed lease agreement:

(TO BE COMPLETED BY THE LANDLORD)			
Name of the Landlord:			
Property Physical Address:			
Please tick below		**Yes**	**No**
Rental:	in arrears for more than 3 months		
Municipal services:	in arrears for more than 3 months		
Landlord Signature:			
Date: _____ **Landlord's business stamp here (where applicable)**			

MUNICIPAL SERVICES, RATES AND TAXES CLEARANCE CERTIFICATE, OR LEASE AGREEMENT MUST BE ATTACHED BEHIND THIS PAGE.

Initials:

MUNICIPAL BIDDING DOCUMENTS

Initials:

MBD 1

PART A
INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF MIDVAAL LOCAL MUNICIPALITY					
BID NUMBER:	8/2/9/2 (2022-2025):	CLOSING DATE:	26/01/2023	CLOSING TIME:	10H00
DESCRIPTION	BID FOR THE SUPPLY, DELIVERY, INSTALLATION, AND REPAIRS OF TWO-WAY RADIOS SERVICES FOR MIDVAAL LOCAL MUNICIPALITY FROM DATE OF AWARD UNTIL 30 JUNE 2025				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7).					

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX
SITUATED AT *(STREET ADDRESS*

25 MITCHELL STREET
MEYERTON
1961

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				
TAX COMPLIANCE STATUS	TCS PIN:		**OR** CSD No:	
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]	☐**YES** ☐**NO**		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	☐**YES** ☐**NO**

[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]

ARE YOU THE ACCREDITED REPRESENTATIVE **IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?**	☐**YES** ☐**NO** [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR **THE GOODS /SERVICES /WORKS OFFERED?**	☐**YES** ☐**NO** [IF YES ENCLOSE PROOF B:3]
TOTAL NUMBER OF ITEMS OFFERED		**TOTAL BID PRICE**	**R**
SIGNATURE OF BIDDER	.....	**DATE**	
CAPACITY UNDER WHICH THIS BID IS SIGNED			

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:		**TECHNICAL INFORMATION MAY BE DIRECTED TO:**	
DEPARTMENT	SUPPLY CHAIN MANAGEMENT	USER DEPARTMENT	PS&R SERVICES
TELEPHONE NUMBER	016 360 7481	TELEPHONE NUMBER	016 360 7558
E-MAIL ADDRESS	tenders@midvaal.gov.za	E-MAIL ADDRESS	tenders@midvaal.gov.za

Initials:

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 ONLINE

1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, 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 VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.

2.3 APPLICATION FOR THE TAX COMPLIANCE STATUS (TCS) CERTIFICATE OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.

2.4 FOREIGN SUPPLIERS MUST COMPLETE THE PRE-AWARD QUESTIONNAIRE IN PART B:3.

2.5 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.

2.6 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.

2.7 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.

3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

3.1. IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	☐YES ☐NO
3.2. DOES THE ENTITY HAVE A BRANCH IN THE RSA?	☐YES ☐NO
3.3. DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	☐YES ☐NO
3.4. DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?	☐YES ☐NO
3.5. 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 ABOVE.

NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.
NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE.

SIGNATURE OF BIDDER: ……..

CAPACITY UNDER WHICH THIS BID IS SIGNED: ……..

DATE: ……..

MBD 3.1 - SCHEDULE OF RATES (PURCHASES)

NAME OF BIDDER:			
BID NUMBER:	**8/2/9/2 (2022-2025):**	**MN NO:**	**3461/22**
CLOSING DATE:	**26 January 2023**	**TIME:**	**10H00**

OFFER TO BE VALID FOR **NINETY (90) DAYS** FROM THE CLOSING DATE OF BID.

REQUIRED BY: MIDVAAL LOCAL MUNICIPALITY **AT THE** PS & R SERVICES

BRAND AND MODEL: N/A

COUNTRY OF ORIGIN: SOUTH AFRICA

DOES THE OFFER COMPLY WITH ALL SPECIFICATIONS **YES/NO**

IF NOT, INDICATE DEVIATIONS(S): N/A

MIDVAAL
LOCAL MUNICIPALITY

Initials:

MBD 4 - DECLARATION OF INTEREST

1. No bid will be accepted from persons in the service of the state.

2. Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorised representative declare their position relation to the evaluating/adjudicating authority.

3. A Person who is an advisor or consultant contracted with the municipality.

4. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

   4.1 Full Name of bidder or his or her representative:

   _____

   4.2 | | | | | | | | | | | | | |
   Identity Number:

   4.3 Position occupied in the Company (director, trustee, shareholder[2]):

   _____

   4.4 Company Registration Number:

   _____

   4.5 Tax Reference Number:

   _____

   4.6 VAT Registration Number:

   _____

   4.7 The names of all directors / trustees / shareholders members, their individual identity numbers and state employee numbers must be indicated in paragraph 4 below.

MIDVAAL LOCAL MUNICIPALITY

4.8 Are you presently in the service of the state? **YES / NO**
If so, furnish particulars.

_____

_____

1 MSCM Regulations: "in the service of the state" means to be –

(a) A member of –
- *any municipal council;*
- *any provincial legislature; or*
- *the national Assembly or the national Council of provinces;*

(b) a member of the board of directors of any municipal entity;
(c) an official of any municipality or municipal entity;
(d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the public Finance Management Act, 1999 (Act No 1 of 1999);
(e) a member of the accounting authority of any national or provincial public entity; or
(f) an employee of Parliament or a provincial legislature.

² Shareholder" means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.

4.9 Have you been in the service of the state for the past twelve months?
YES / NO

If so, furnish particulars.

_____

_____

4.10 Do you have any relationship (family, friend, other) with persons in the service of the state and who may be involved with the evaluation and or adjudication of this bid?
YES / NO

If so, furnish particulars.

_____

_____

4.11 Are you, aware of any relationship (family, friend, other) between any other bidder and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid?
YES / NO

If so, furnish particulars.

_____

_____

4.12 Are any of the company's directors, trustees, managers, principle

shareholders or stakeholders in service of the state?

YES / NO

If so, furnish particulars.

_____

_____

4.13 Are any spouse, child or parent of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state?

YES / NO

If so, furnish particulars.

_____

_____

4.14 Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract.

YES / NO

If so, furnish particulars.

_____

_____

5. Full details of directors / trustees / members / shareholders.

FULL NAME	IDENTITY NUMBER	STATE EMPLOYEE NUMBER

Please note that The Federal Executive of the DA resolved as follows:

Initials:

"That no office-bearer or member of the professional staff of the Party, or any company, partnership, close corporation or similar juristic entity in which such office-bearer or member of the professional staff has an interest, may tender for or contract to provide any goods or services to any DA controlled government.

For the purposes of this resolution:

"office-bearer" means any public representative or member of the Federal Executive, a provincial executive, a provincial management committee, a regional executive or a constituency executive;

"an interest" means that the office bearer or member of the professional staff has a 5% of more stake; and

"member of the professional staff" means any person who has an employment contract with the Party, and includes any person who is employed by the Party but who is paid by an organ of state, but does not include any person paid a gratuity or honorarium for services rendered to the Party."

6.1 Are you or your company an office-bearer by means of any public representative or member of the Federal Executive, a provincial executive, a provincial management committee, a regional executive or a constituency executive?

YES / NO

If so, furnish particulars.

_____

_____

6.2 Do you or your company have an interest by means that the office bearer or member of the professional staff has a 5% of more stakes?

YES / NO

If so, furnish particulars.

_____

_____

6.3 Are you or your company a member of the professional staff by means any person who has an employment contract with the Party, and includes any person who is employed by the Party but who is paid by an organ of state, but does not include any person paid a gratuity or honorarium for services rendered to the Party?

YES / NO

MIDVAAL LOCAL MUNICIPALITY

If so, furnish particulars.

_____

_____

CERTIFICATION

I, THE UNDERSIGNED (NAME) _____
CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS CORRECT.

I ACCEPT THAT THE STATE MAY ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

SIGNATURE	**DATE**
POSITION	**NAME OF BIDDER**

MIDVAAL
LOCAL MUNICIPALITY

MBD 5 - DECLARATION FOR PROCUREMENT ABOVE R10 MILLION (VAT INCLUDED)

For all procurement expected to exceed R10 million (VAT included), bidders must complete the following questionnaire:

1. Are you by law required to prepare annual financial statements for auditing?

   YES / NO

   If yes, submit audited annual financial statements for the past three years or since the date of establishment if established during the past three years.

2. Do you have any outstanding undisputed commitments for municipal services towards a municipality or any other service provider in respect of which payment is overdue for more than 30 days?

   YES / NO

   If no, this serves to certify that the bidder has no undisputed commitments for municipal services towards a municipality or other service provider in respect of which payment is overdue for more than 30 days.
   If yes, furnish particulars.

   _____

   _____

3. Has any contract been awarded to you by an organ of state during the past five years, including particulars of any material non-compliance or dispute concerning the execution of such contract?

   YES / NO

   If yes, furnish particulars.

   _____

   _____

4. Will any portion of goods or services be sourced from outside the Republic, and, if so, what portion and whether any portion of payment from the municipality / municipal entity is expected to be transferred out of the Republic?

   YES / NO

MIDVAAL LOCAL MUNICIPALITY

If yes, furnish particulars.

_____

_____

CERTIFICATION

I, THE UNDERSIGNED (NAME) _____ CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS CORRECT.

I ACCEPT THAT THE STATE MAY ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

SIGNATURE	**DATE**
POSITION NAME OF BIDDER	**NAME OF BIDDER**

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MBD 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 form 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
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

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

Points for this bid shall be awarded for:

(a) Price; and

(b) B-BBEE Status Level of Contributor.

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

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTOR	20
TOTAL POINTS FOR PRICE AND B-BBEE MUST NOT EXCEED	**100**

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

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

Initials:

2. DEFINITIONS

(a) **"B-BBEE"** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;

(b) "**B-BBEE status level of contributor"** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;

(c) **"bid"** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals;

(d) **"Broad-Based Black Economic Empowerment Act"** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);

(e) **"EME"** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;

(f) **"functionality"** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.

(g) **"prices"** includes all applicable taxes less all unconditional discounts;

(h) **"proof of B-BBEE status level of contributor"** means:

1) B-BBEE Status level certificate issued by an authorized body or person;

2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;

3) Any other requirement prescribed in terms of the B-BBEE Act;

(i) **"QSE"** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;

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

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3. POINTS AWARDED FOR PRICE

3.1 THE 80/20 PREFERENCE POINT SYSTEMS

A maximum of 80 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 price of bid under consideration

Pt = Price of bid under consideration

Pmin = Price of lowest acceptable bid

4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR

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

B-BBEE STATUS LEVEL OF CONTRIBUTOR	NUMBER OF POINTS (80/20 SYSTEM)
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
NON-COMPLIANT CONTRIBUTOR	0

MIDVAAL LOCAL MUNICIPALITY

5. BID DECLARATION

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

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

6.1 B-BBEE Status Level of Contributor: = _____ (maximum of 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

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) CSD Number of the sub-contractor MAAA_____

iv) The B-BBEE status level of the sub-contractor _____
(attach proof)

v) Whether the sub-contractor is an EME or QSE

(Tick applicable box)

YES		NO	

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

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

DECLARATION WITH REGARD TO COMPANY/FIRM

7.2 Name of company/firm _____

7.3 VAT registration number _____

7.4 Company registration number _____

7.5 TYPE OF COMPANY/ FIRM

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

[TICK APPLICABLE BOX]

7.6 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

_____

_____

_____

_____

7.7 COMPANY CLASSIFICATION

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

[TICK APPLICABLE BOX]

7.8 MUNICIPAL INFORMATION

Municipality where the business is situated:

_____

Registered Account Number: _____

Stand Number: _____

7.9 Total number of years the company/firm has been in business: _____

Initials:

7.10 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

i) The information furnished is true and correct;

ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;

iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;

iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –

(a) disqualify the person from the bidding process;

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

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

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

(e) forward the matter for criminal prosecution.

WITNESSES: **SIGNATURE(S) OF BIDDERS(S)**

1. _____ _____

2. _____ _____

DATE: _____ **DATE:** _____

NB: MIDVAAL LOCAL MUNICIPALITY CONSIDERS THE FOLLOWING:

i. **Only one of the three attached Sworn Affidavits (EME/ QSE/ GEN) will be accepted. Affidavits from accounting firms (in the accounting firms' letter head) WILL NOT be accepted.**

ii. **SANAS accredited B-BBEE certificates.**

iii. **B-BBEE certificates issued by the DTI via CIPC.**

FAILURE TO PROVIDE ANY ONE OF THE ABOVE-MENTIONED DOCUMENTS WILL RESULT IN NO POINTS BEING AWARDED.

THE REFERRED TO ABOVE DOCUMENT CAN BE PLACED BEHIND THIS PAGE

SWORN AFFIDAVIT – B-BBEE EXEMPTED MICRO ENTERPRISE - GENERAL

I, the undersigned,

Full name & Surname	
Identity number	

Hereby declare under oath as follows:

1. The contents of this statement are to the best of my knowledge a true reflection of the facts.

2. I am a Member / Director / Owner of the following enterprise and am duly authorised to act on its behalf:

Enterprise Name:	
Trading Name (If Applicable):	
Registration Number:	
Enterprise Physical Address:	
Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):	
Nature of Business:	
Definition of "Black People"	As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 "Black People" is a generic term which means Africans, Coloureds and Indians – (a) who are citizens of the Republic of South Africa by birth or descent; or (b) who became citizens of the Republic of South Africa by naturalisation- i. before 27 April 1994; or ii. on or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date;"
Definition of "Black Designated Groups"	"Black Designated Groups means: (a) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution; (b) Black people who are youth as defined in the National Youth Commission Act of 1996; (c) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act; (d) Black people living in rural and under developed areas; (e) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011;"

Initials:

3. I hereby declare under Oath that:

- The Enterprise is _____% Black Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- The Enterprise is _____% Black Female Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- The Enterprise is _____% Black Designated Group Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- Black Designated Group Owned % Breakdown as per the definition stated above:
    - Black Youth % = _____%
    - Black Disabled % =_____%
    - Black Unemployed % =_____%
    - Black People living in Rural areas % = _____%
    - Black Military Veterans % =_____%

- Based on the Financial Statements/Management Accounts and other information available on the latest financial year-end of _____, the annual Total Revenue was R10,000,000.00 (Ten Million Rands) or less
- Please Confirm on the below table the B-BBEE Level Contributor, **by ticking the applicable box.**

100% Black Owned	**Level One** (135% B-BBEE procurement recognition level)	
At least 51% Black Owned	**Level Two** (125% B-BBEE procurement recognition level)	
Less than 51% Black Owned	**Level Four** (100% B-BBEE procurement recognition level)	

4. I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the Owners of the Enterprise which I represent in this matter.

5. The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

Deponent Signature: _____

Date:_____

_____

Commissioner of Oaths
Signature & stamp

Initials:

SWORN AFFIDAVIT – B-BBEE EXEMPTED MICRO ENTERPRISE

I, the undersigned,

Full name & Surname	
Identity number	

Hereby declare under oath as follows:

1. The contents of this statement are to the best of my knowledge a true reflection of the facts.

2. I am a member / director / owner of the following enterprise and am duly authorised to act on its behalf:

Enterprise Name	
Trading Name	
Registration Number	
Enterprise Address	

3. I hereby declare under oath that:

- The enterprise is _____% black owned;
- The enterprise is _____% black woman owned;
- Based on the management accounts and other information available on the _____ financial year, the income did not exceed R10,000,000.00 (ten million rands);
- Please confirm on the table below the B-BBEE level contributor, **by ticking the applicable box.**

100% black owned	**Level One** (135% B-BBEE procurement recognition)	
More than 51% black owned	**Level Two** (125% B-BBEE procurement recognition)	
Less than 51% black owned	**Level Four** (100% B-BBEE procurement recognition)	

4. The entity is an empowering supplier in terms of **the dti** Codes of Good Practice.

5. I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the owners of the enterprise which I represent in this matter.

6. The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

Deponent Signature: _____

Date: _____

_____

Commissioner of Oaths
Signature & stamp

Initials:

SWORN AFFIDAVIT – B-BBEE QUALIFYING SMALL ENTERPRISE- GENERAL

I, the undersigned,

Full name & Surname	
Identity number	

Hereby declare under oath as follows:

1. The contents of this statement are to the best of my knowledge a true reflection of the facts.
2. I am a Member/Director/Owner of the following enterprise and am duly authorised to act on its behalf:

Enterprise Name:	
Trading Name (If Applicable):	
Registration Number:	
Enterprise Physical Address:	
Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):	
Nature of Business:	
Definition of "Black People"	As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 "Black People" is a generic term which means Africans, Coloureds and Indians- a) Who are citizens of the Republic of South Africa by birth or descent or b) Who became citizens of the Republic of South Africa by naturalization- i. Before 27 April 1994; or ii. On or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date

3. I hereby declare under oath that:

- The Enterprise is _____% Black Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- The Enterprise is _____% Black Woman Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,

Initials:

- The Enterprise is _____% Black Designated Group as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- Based on the Financial statements/Management accounts and other information available on the latest financial year-end of_____, the annual Total Revenue was between R10,000,000.00 (Ten Million Rands) and R50,000,000.00 (Fifty Million Rands),

- Please confirm on the table below the B-BBEE level contributor, by ticking the applicable box.

100% Black Owned	**Level One** (135% B-BBEE procurement recognition level)	
At Least 51% black owned	**Level Two** (125% B-BBEE procurement recognition level)	

4. I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the owners of the enterprise which I represent in this matter.

5. The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

Dependent Signature:_____

Date:_____

_____

Commissioner of Oaths
Signature & Stamp

Initials:

MBD 6.2

DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

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

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

1. General Conditions

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

1.2. Regulation 8.(2) prescribes that in the case of designated sectors, organs of state must advertise such tenders with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.

1.3. Where necessary, for tenders referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.

1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.

1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

LC = [1 - x / y] * 100

Where
x is the imported content in Rand
y is the bid price in Rand excluding value added tax (VAT)

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

Initials:

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

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

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

Description of services, works or goods	Stipulated minimum threshold
Portable Radio	60 %
Mobile Radio	60 %
Repeater	60 %
Components	20-100 %

3. The Does any portion of the goods or services offered have any imported content?
(Tick applicable box)

YES		**NO**	

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

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

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

Currency	**Rates of exchange**
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

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

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

LOCAL CONTENT DECLARATION
(REFER TO ANNEX B OF SATS 1286:2011)

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

IN RESPECT OF BID NO.

ISSUED BY: MIDVAAL LOCAL MUNICIPALITY

NB

1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.

2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on http://www.thedti.gov.za/industrial_development/ip.jsp. Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below. Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, …….. (full names),

do hereby declare, in my capacity as ……..

of .....(name of bidder entity), the following:

(a) The facts contained herein are within my own personal knowledge.

(b) I have satisfied myself that:

(i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and

(c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

Bid price, excluding VAT (y) R……

Imported content (x), as calculated in terms of SATS 1286:2011 R……

Stipulated minimum threshold for local content (paragraph 3 above) ……

Local content %, as calculated in terms of SATS 1286:2011 ……

If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above.
The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declaration D and E.

(d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.

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

SIGNATURE: _____

WITNESS No. 1 _____ **DATE:** _____

WITNESS No. 1 _____ **DATE:** _____

MIDVAAL LOCAL MUNICIPALITY

Annex C

Local Content Declaration - Summary Schedule

(C1)	Tender No.					
(C2)	Tender description:					
(C3)	Designated product(s)					
(C4)	Tender Authority:					
(C5)	Tendering Entity name:					
(C6)	Tender Exchange Rate:	Pula		EU		GBP
(C7)	Specified local content %					

Note: VAT to be excluded from all calculations

Calculation of local content

Tender item no's	List of items	Tender price - each (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value	Local value	Local content % (per item)
(C8)	(C9)	(C10)	(C11)	(C12)	(C13)	(C14)	(C15)

Tender summary

Tender Qty	Total tender value	Total exempted imported content	Total Imported content
(C16)	(C17)	(C18)	(C19)

(C20) Total tender value	
(C21) Total Exempt imported content	
(C22) Total Tender value net of exempt imported content	
(C23) Total Imported content	
(C24) Total local content	
(C25) Average local content % of tender	

Signature of tenderer from Annex B

Date: _____

Initials:

MBD 7.1 - CONTRACT FORM – PURCHASE OF GOODS/WORKS

THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SERVICE PROVIDER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SERVICE PROVIDER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.

PART 1 (TO BE FILLED IN BY THE SERVICE PROVIDER)

1. I hereby undertake to render services described in the attached bidding documents to (name of the institution) _____ In accordance with the requirements and task directives / proposals specifications stipulated in Bid Number: **8/2/9/2 (2022-2025): BID FOR THE SUPPLY, DELIVERY, INSTALLATION, AND REPAIRS OF TWO-WAY RADIOS SERVICES FOR MIDVAAL LOCAL MUNICIPALITY FROM DATE OF AWARD UNTIL 30 JUNE 2025** at the price/s quoted. My offer/s remains binding upon me and open for acceptance by the purchaser during the validity period indicated and calculated from the closing date of the bid.

2. The following documents shall be deemed to form and be read and construed as part of this agreement:
   (i) Bidding documents, *viz*
   - Invitation to bid;
   - Tax clearance certificate;
   - Pricing schedule(s);
   - Filled in task directive/proposal;
   - Preference claims for Broad Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations 2011;
   - Declaration of interest;
   - Declaration of Bidder's past SCM practices;
   - Certificate of Independent Bid Determination;
   - Special Conditions of Contract;

   (ii) General Conditions of Contract; and
   (iii) SANS/ISO/other regulatory framework where applicable

3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the services specified in the bidding documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.

4. I accept responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfilment of this contract.
5. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.

Initials:

6. I confirm that I am duly authorised to sign this contract.

NAME (PRINT

_____

CAPACITY

_____

SIGNATURE

_____

NAME OF FIRM

_____

DATE: _____

WITNESSES

1. _____

DATE: _____

2. _____

DATE: _____

MIDVAAL
LOCAL MUNICIPALITY

PART 2 (TO BE FILLED IN BY MIDVAAL LOCAL MUNICIPALITY)

1. I _____ in my capacity as _____accept your bid under reference number Bid Number: **8/2/9/2 (2022-2025): BID FOR THE SUPPLY, DELIVERY, INSTALLATION, AND REPAIRS OF TWO-WAY RADIOS SERVICES FOR MIDVAAL LOCAL MUNICIPALITY FROM DATE OF AWARD UNTIL 30 JUNE 2025** dated _____for the rendering of services indicated hereunder and/or further specified in the annexure(s).

2. An official order indicating service delivery instructions is forthcoming.

3. I undertake to make payment for the services rendered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice.

4. I confirm that I am duly authorized to sign this contract.

SIGNED AT MEYERTON ON _____

NAME (PRINT) _____

SIGNATURE _____

OFFICIAL STAMP

WITNESSES

1. _____

DATE: _____

2. _____

DATE: _____

Initials:

MBD 8 - DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

1. This Municipal Bidding Document must form part of all bids invited.

2. It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.

3. The bid of any bidder may be rejected if that bidder, or any of its directors have:

a. abused the municipality's / municipal entity's supply chain management system or committed any improper conduct in relation to such system;
b. been convicted for fraud or corruption during the past five years;
c. willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
d. been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).

4. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

4.1	**Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector?** (Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the *audi alteram partem* rule was applied). **The Database of Restricted Suppliers now resides on the National Treasury's website (www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.**	Yes ☐	No ☐
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? **The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.**	Yes ☐	No ☐

MIDVAAL LOCAL MUNICIPALITY

Initials:

4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes ☐	No ☐
4.3.1	If so, furnish particulars:		
4.4	Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes ☐	No ☐
4.4.1	If so, furnish particulars:		
4.5	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes ☐	No ☐
4.7.1	If so, furnish particulars:		

CERTIFICATION

I, THE UNDERSIGNED (NAME) _____
CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS CORRECT.

I ACCEPT THAT THE STATE MAY ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

_____ _____
SIGNATURE **DATE**

_____ _____
POSITION **NAME OF BIDDER**

MIDVAAL LOCAL MUNICIPALITY

MBD 9 - CERTIFICATE OF INDEPENDENT BID DETERMINATION

1. This Municipal Bidding Document (MBD) must form part of all bids[1] invited.

2. Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).[2] Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.

3. Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:

    a. take all reasonable steps to prevent such abuse;
    b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
    c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.

4. This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.

5. In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

MIDVAAL LOCAL MUNICIPALITY

Initials:

MBD 9 - CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:
8/2/9/2 (2022-2025): BID FOR THE SUPPLY, DELIVERY, INSTALLATION, AND REPAIRS OF TWO-WAY RADIOS SERVICES FOR MIDVAAL LOCAL MUNICIPALITY FROM DATE OF AWARD UNTIL 30 JUNE 2025

in response to the invitation for the bid made by:
MIDVAAL LOCAL MUNICIPALITY
(Name of Municipality / Municipal Entity)

I do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of _____ (Name of Bidder) that:

1. I have read and I understand the contents of this Certificate;

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

3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;

4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;

5. For the purposes of this Certificate and the accompanying bid, I understand that the word “competitor” shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
(a) has been requested to submit a bid in response to this bid invitation;
(b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
(c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder

6. 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 consortium[3] will not be construed as collusive bidding.

7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:

(a) prices;
(b) geographical area where product or service will be rendered (market allocation)
(c) methods, factors or formulas used to calculate prices;

(d) the intention or decision to submit or not to submit, a bid;

(e) the submission of a bid which does not meet the specifications and conditions of the bid; or

(f) bidding with the intention not to win the bid.

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

9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

10. 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.

_____ _____

Signature **Date**

_____ _____

Position **Name of Bidder**

MIDVAAL LOCAL MUNICIPALITY

PERFORMANCE MANAGEMENT SYSTEM

MIDVAAL
LOCAL MUNICIPALITY

Initials:

PERFORMANCE MANAGEMENT SYSTEM

The Municipal Finance Management Act (No. 56 of 2003) Section 116 (2) (d) determines that a Municipality must enter into a Performance Management System (PMS) with all service providers.

A final PMS document will be concluded in consultation with the appointed bidder.

ACCEPTANCE OF PMS AGREEMENT

You are hereby requested to sign this document as acceptance that your performance will be measured continuously in terms of the PMS.

CONTRACTOR

Signature : _____

Name : _____

Designation : _____

Date : _____

MIDVAAL LOCAL MUNICIPALITY

Signature : _____

Name : _____

Designation : _____

Date : _____

SPECIAL CONDITIONS OF CONTRACT

MIDVAAL LOCAL MUNICIPALITY

Initials:

SPECIAL CONDITIONS OF CONTRACT

1. TERMINATION AT MIDVAAL LOCAL MUNICIPALITY'S OPTION

1.1 Midvaal Local Municipality shall have the right at any time, with or without cause, to terminate further performance of the WORK by written notice to Contractor specifying the date of termination. On the date of such termination stated in said notice, Contractor shall discontinue performance of the work and shall preserve and protect tools, materials, construction equipment and facilities on site, materials and plant equipment purchased for incorporation in the work, whether delivered to the site or on order, work in progress and completed work, both at site and in its own plant, pending Midvaal Local Municipality's instructions and, if requested by Midvaal Local Municipality, shall turn over the same to Midvaal Local Municipality, including title to said materials and equipment, or dispose of same in accordance with Midvaal Local Municipality's instructions.

1.2 In the event of such termination, Contractor shall, within seven (7) calendar days of such termination advice Midvaal Local Municipality of all outstanding subcontracts, rental agreements, and purchase orders which Contractor has with others pertaining to performance of the WORK and shall furnish Midvaal Local Municipality with complete copies thereof. Contractor shall upon request by Midvaal Local Municipality assign to Midvaal Local Municipality, or take such other action relative to such subcontracts, rental agreements or purchase orders as may be directed by Midvaal Local Municipality. When considering whether to cancel this contract, Midvaal Local Municipality shall be entitled to receive from the Contractor all information, including copies thereof, relating to outstanding subcontracts, rental agreements, purchase orders and other costs which the Contractor is likely to incur as a result of the cancellation, Contractor shall furnish all information and copies within seven days of Midvaal Local Municipality's written request.

1.3 All claims under any of the foregoing provisions shall be subject to the provisions that the Contractor shall take all reasonable steps to mitigate or diminish such costs or expenses and such claims shall be supported by documentation submitted to Midvaal Local Municipality, satisfactory in form and content to Midvaal Local Municipality and verified by Midvaal Local Municipality and are subject to the Contract having complied with clause 1.2. Midvaal Local Municipality may withhold any further payment due to the contractor until all the required documents in clause 1.2 have been received to Midvaal Local municipality's satisfaction.

2. TERMINATION FOR DEFAULT

2.1 In the event Contractor's estate is liquidated or placed under judicial management provisionally or finally, or if Contractor commit any act of insolvency or publish a notice of surrender or present a petition for the acceptance of the surrender of its estate as insolvent or makes or prepare to make an arrangement with, composition or assignment in favour of its creditors or agrees to carry out this Contract under a committee of inspectors of its creditors or goes into liquidation, whether provisionally or finally, or if Contractor defaults in the performance of any express obligation to be performed by it under this CONTRACT, and fails to correct or if immediate correction is not possible, shall fail to commence and diligently continue action to correct such default within five

(5) working days following written notice thereof from Council or commits a breach of this contract and/or any other contract which the Contractor has with Midvaal Local Municipality and such breach is incapable of being cured, or commits a criminal offence or any of its employees commits a criminal offence, Council may without prejudice to any other rights or remedies Midvaal Local Municipality may have, hold in abeyance further payments to Contractor and/or terminate further performance of all or part of the work under this Contract by written notice to Contractor specifying date of termination.

2.2 In the event that the contractor has the intention to voluntarily liquidate their estate, they shall inform Midvaal Local Municipality of such intention within 14 days prior to the voluntary liquidation application being initiated.

They shall further inform Midvaal Local Municipality in writing once the voluntary liquidation has been finalised no later than 48 hours from date, they receive such confirmation.

2.3 In the event of such termination by Midvaal Local Municipality, Council may take possession of the work at the site and any or all materials and plant equipment whether delivered to the site or on order therefore by Contractor, tools and construction equipment at site and finish the work by whatever method Council may deem expedient. Any methods procured / used by Council to expedite and / or to complete the work pursuant to the termination may be at the cost of the contractor.

2.4 In the event of termination by Midvaal Local Municipality, the Contractor shall upon request of Council, within 5 calendar days advice Midvaal Local Municipality of all outstanding subcontracts, rental agreements and purchase orders which Contractor has with others pertaining to performance of the WORK and furnish Midvaal Local Municipality with complete copies thereof. Upon request of Midvaal Local Municipality, Contractor shall assign to Midvaal Local Municipality in form satisfactory to Midvaal Local Municipality, Contractor's title to materials and plant equipment for the work and those subcontracts, rental agreements and purchase orders designated by Midvaal Local Municipality, which Contractor has with others pertaining to the work. Midvaal Local Municipality may withhold any further payments due to the contractor until all the required documents stated above have been received to Midvaal Local Municipality's satisfaction.

2.5. In the event of termination by Midvaal Local Municipality, the Contractor shall not be entitled to receive any further payment until the work is completed.

2.5.1 Should the amount that Midvaal Local Municipality must pay to complete the work exceed the contract price with the terminated Contractor, the aforenamed will promptly pay the difference to Midvaal Local Municipality. This amount shall be legally deemed a debt due by the Contractor to Midvaal Local Municipality and should be recoverable accordingly.

2.5.2 Should the amount that Midvaal Local Municipality must pay to complete the work be less than the contemplated contract price, no payment to that effect will be made to the Contractor.

Initials:

2.5.3. Midvaal Local Municipality shall have the right and is authorised to set off against and deduct any damages suffered by Midvaal Local Municipality due to the Contractor's default or event giving rise to the termination or due to other defaults of the contractor to comply with the terms and conditions of this contract along with amounts payable in respect of 2.5.1 above from payments due to the Contractor under this or any other previous or subsequent contract between the Contractor and Midvaal Local Municipality upon completion of the work. The Contractor shall be and continue to be fully liable for all such aforementioned damages to Midvaal Local Municipality

2.6 In the event where the Contractor is awarded this Contract, amongst others, because the Contractor is considered by Midvaal Local Municipality in its sole discretion to be a Black Economic Empowerment Entity, and it appears later in Midvaal Local Municipality's opinion that the Contractor is not a Black economic Empowerment Entity or is engaged in fronting as a Black economic Empowerment Entity, Midvaal Local Municipality shall be entitled to terminate this agreement without prior notice.

3. PATENTS

The Bidder shall pay all royalties and expenses and be liable for all claims in respect of the use of patent rights, trademarks or other protected rights and hereby indemnifies the Midvaal Local Municipality against any claims arising there-from.

All intellectual property rights including, without limitation, copyright, database rights, design and registered design rights, patents and trademark rights, in the deliverables shall be owned by the Council.

The contractor, bidder or service provider shall execute any documents to ensure vesting of such rights in the Council. No trademark, patent, design or other registration shall be made in the name of the contractor, bidder or service provider, its employees, directors and agents, in relation to any of the deliverables.

4. REGISTRATION WITH RELEVANT REGULATORY AUTHORITY

Bidders, who are compelled to register with controlling authorities regarding their goods/services to be delivered/rendered, should ensure that their relevant registrations are in order prior to the closure of the bids.

MLM may at any given time request bidders to submit proof thereof.

Initials:

5. WARRANTY/GUARANTEE

Unless specified otherwise in the SCC the warranty/guarantee shall remain valid for a period of not less than twelve (12) months after the goods, or portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port of place of loading in the source country whichever period concludes earlier.

Bidders must however submit the guarantees upon request from MLM to the end user department at any given time.

6. PENALTIES

Should the bidder fail to deliver any or all the goods or perform the services within the period specified in the contract and / or bid document or as concluded in the Service Level Agreement, Midvaal Local Municipality may, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day until actual delivery of performance.

Midvaal Local Municipality may consider termination of the contract at it sees fit in in line with the General Conditions of Contract.

7. INCREASE/DECREASE IN SCOPE OF WORK

The Employer reserves the right to withdraw any section or item in the bill of quantities. The Contractor will have no claim in this respect.

Funds allocated to complete the works may be limited. The Employer thus reserves the right to reduce or add to the scope of work to suit the available budget, in which case the contractor will have no claim in this respect.

MIDVAAL
LOCAL MUNICIPALITY

8. COSTS

The Contractor agrees that Midvaal Local Municipality shall be entitled to recover from the Contractor, Attorney and own client fees incurred by Midvaal Local Municipality in the event of arbitration and/or litigation proceedings relating to this Contract.

9. VALUE ADDED TAX AND CURRENCY

All prices quoted are to **INCLUDE** Value Added Tax (VAT), unless specifically stated to the contrary and all prices must be quoted in ZAR, i.e. the currency of the Republic of South Africa.The evaluation of points on this bid will be based on VAT exclusive

Initials:

10. INSPECTION OF PLANT, EQUIPMENT AND PREMISES

Midvaal Local Municipality may at any stage during the production or execution, or on completion, be subject to inspect the premises of the bidder or contractor at all reasonable hours for inspection of the bidder's plant, equipment and premises prior to the bid being awarded. These inspections shall be carried out as follows:

The HOD or any other delegated official, will visit the premises upon a formal appointment to inspect all plant and equipment and other items deemed necessary prior to the issue of the bid to the bid adjudication committee.

11. RETURNABLE DOCUMENTS

All required returnable documents should be attached to the bid document; failure to adhere to this may result in your bid being disqualified.

12. ALTERNATIVE BIDS

If a bidder wishes to submit an alternative *(where allowed)* for any of the items in the schedule of quantities, the bidder must indicate on the pricing schedule and complete the form included in the bidding documents. Failure to either indicate on the pricing schedule or complete the form in the bid document or both may result in your bid being disqualified.

13. DOMICILIUM & SOUTH AFRICAN JURISDICTION

The laws of the Republic of South Africa shall be applicable to each Contract created by the acceptance of a Bid, and each Bidder shall indicate a place in the Republic and specify it in his Bid as his *domicilium citandiet executandi* where any legal process may be served on him.

Each Bidder shall bind himself to accept the jurisdiction of the Courts of Law of the Republic of South Africa.

The parties choose as their respective *domicilia citandiet executandi* the Following addresses:

The Council: Midvaal Local Municipality

25 Mitchell Street
Meyerton

The Contractor

_____

_____

_____

Initials:

Change of these addresses will only be valid if the other party has been notified in writing.

All notices between the parties concerned must be in writing.

If a notice or document is delivered by hand, written proof of delivery must be obtained. If a document is delivered by official of the Council, a statement to that effect will be sufficient.

14. If not delivered by hand, notices and documents will be sent by registered post.

GENERAL

Bid Awards

Please note that even though a bid may be awarded, and a successful bidder be approved to supply, deliver or render the applicable services to Midvaal, it is not a guarantee that orders will be placed on a regular basis. It may only be procured on an as and when required basis on receipt of an official Midvaal order.

NB: Bids results are placed on the municipality's website: www.midvaal.gov.za

Bidder's attention is drawn to the fact that bid results are updated on a monthly basis.

Unsuccessful Bids

The unsuccessful bidder may on written request (in terms of the Promotion of Access to Information Act 2 of 2000) be given reason/s why their bid was unsuccessful.

NB:IT IS THE ONUS OF EVERY BIDDER TO CONTINUOUSLY MONITOR THE MUNICIPALITY'S WEBSITE FOR BID RESULTS.

Objections and Complaints

Bidders aggrieved by decisions or actions taken by Midvaal Local Municipality in the implementation of its supply chain management system may within 14 days of the decision or action lodge a written objection or complaint to the municipality against the decision or action.

The date of the decision or action referred to above will be the day the results were advertised on the website, being the 07th day of every month.

Initials:

Non Awards

Bidders who submitted bids will be informed formally of all non-awards

EPWP requirements for labour intensive projects

Midvaal LM supports labour intensive projects and other services relating to where physical labour is required.

All service providers will be required to maximize the use of local unemployed labour on projects or when supplying or delivering services to MLM where applicable and agree to appoint unemployed Labour for the entire duration of the contract at a minimum rate determined by the Department of Labour.

All relevant questionnaires and reports are to be completed in full and submitted as part of this bid document.

15. ACCEPTANCE

15.1 Unless otherwise specified in the invitation to bid, this bid shall remain open for acceptance for a period of **NINETY (90) DAYS** from the date on which bids are due and during this period the bidder shall agree not to withdraw his/her bid or impair or derogate from its effect;

15.2 The Tender document provided by Midvaal Local Municipality accompanied by a signed written letter of acceptance shall constitute a contract binding on both parties.

15.3 Notwithstanding anything to the contrary in this agreement, the contract shall come into existence with effect from the signature date signed by both parties.

16. AUTHORITY TO SIGN BIDS

The bid shall be signed by a person duly authorised thereto.

Company: A resolution by its board of directors authorising a director or other official of the company to sign the documents on behalf of the company, which shall be included in the bid document / returnable.

Close Corporation: A resolution by its members authorising a member or other official of the corporation to sign the documents on each member's behalf, which shall be included in the bid document / returnable.

Partnership: All the partners shall sign the documents unless one partner or a group of partners has been authorised to sign on behalf of each partner, in which case proof of such authorisation shall be included in the bid / returnable.

Joint Venture: Should two or more firms jointly submit a bid, the bid shall be accompanied by the document of establishment of the joint venture, duly registered and authenticated by a notary public or other official deputed to witness sworn statements, which defines the conditions under which the joint venture will function, the period of duration, the persons

authorised to represent the Joint Venture and who are obligated thereby, the participation of the several firms forming the joint venture, and well as any other information necessary to permit a full appraisal of its functioning. Which shall be included in the bid document / returnable.

One Man Concern: This shall be clearly stated and all documents shall be signed accordingly.

17. SIGNATURE AUTHORITY OF CONTRACTOR/BIDDER

I, _____ in my capacity as _____
hereby confirm to be duly authorized to sign on behalf of

_____
(Name of organization)

Address:

_____

Telephone no: (_____) _____ and hereby acknowledge that I have read and understood all the conditions and special conditions of contract and conform to adhere to the schedules as set out in this bid document.

Signed at _____ on the _____ day of _____ 2022.

_____
SIGNATURE OF CONTRACTOR

MIDVAAL
LOCAL MUNICIPALITY

GENERAL CONDITIONS OF CONTRACT

LOCAL MUNICIPALITY

Initials:

THE NATIONAL TREASURY

Republic of South Africa

GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT

JULY 2010

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MIDVAAL LOCAL MUNICIPALITY

Initials:

1. Definitions

1. The following terms shall be interpreted as indicated:

1.1 “Closing time” means the date and hour specified in the bidding documents for the receipt of bids.

1.2 “Contract” means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

1.3 “Contract price” means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.

1.4 “Corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

1.5 "Countervailing duties" are imposed in cases where an

1.6 “Country of origin” means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.

1.7 “Day” means calendar day.

1.8 “Delivery” means delivery in compliance of the conditions of the contract or order.

1.9 “Delivery ex stock” means immediate delivery directly from stock actually on hand.

1.10 “Delivery into consignees store or to his site” means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the goods are so delivered and a valid receipt is obtained.

1.11 "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.

1.12 ”Force majeure” means an event beyond the control of the supplier and not involving the supplier’s fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

1.13 “Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.

Initials:

1.14 "GCC" means the General Conditions of Contract.

1.15 "Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.

1.16 "Imported content" means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the goods covered by the bid will be manufactured.

1.17 "Local content" means that portion of the bidding price, which is not included in the imported content provided that local manufacture does take place.

1.18 "Manufacture" means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.

1.19 "Order" means an official written order issued for the supply of goods or works or the rendering of a service.

1.20 "Project site," where applicable, means the place indicated in bidding documents.

1.21 "Purchaser" means the organization purchasing the goods.

1.22 "Republic" means the Republic of South Africa.

1.23 "SCC" means the Special Conditions of Contract.

1.24 "Services" means those functional services ancillaries to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.

1.25 "Supplier" means the successful bidder who is awarded the contract to maintain and administer the required and specified service(s) to the State.

1.26 "Tort" means in breach of contract.

1.27 "Turnkey" means a procurement process where one service provider assumes total responsibility for all aspects of the project and delivers the full end product / service required by the contract.

a. "Written" or "in writing" means hand-written in ink or any form of electronic or mechanical writing.

b.

2. Application

2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services (excluding professional services related to the building and construction industry), sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.

2.2 Where applicable, special conditions of contract are also laid down to cover specific goods, services or works.

2.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

3 General

3.1 Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in thepreparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.

3.2 Invitations to bid are usually published in locally distributed news media and on the municipality/municipal entity website.

4. Standards

4.1 The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.

5. Use of contract documents and information inspection

5.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.

5.3 Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.

5.4 The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.

Patent Rights

6.1 The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.

6.2 When a supplier developed documentation / projects for the municipality / municipal entity, the intellectual, copy and patent rights or ownership of such documents or projects will vest in the municipality / municipal entity.

7. Performance security

7.1 Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.

Initials:

7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.

7.3 The performance security shall be denominated in the currency of the contract, or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:

(a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another for acceptable to the purchaser; or

(b) a cashier's or certified cheque.

7.4 The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified

8. Inspections, tests and analyses

8.1 All pre-bidding testing will be for the account of the bidder.

8.2 If it is a bid condition that goods to be produced or services to be rendered should at any stage be subject to inspections, tests and analyses, the bidder or contractor's premises shall be open, at all reasonable hours, for inspection by a representative of the purchaser or organization acting on behalf of the purchaser.

8.3 If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.

8.4 If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the goods to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser. CONDITIONS OF CONTRACT

8.5 Where the goods or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of comply with the contract requirements may be rejected.

8. 6 Goods and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected .

8.7 Any contract goods may on or after delivery be inspected, tested or analysed and may be rejected if found not to comply with the requirements of the contract. Such rejected goods shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with goods, which do comply with the requirements of the contract. Failing such removal the rejected goods shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute goods forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected goods, purchase such goods as may be necessary at the expense of the supplier.

Initials:

8.8 The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 22 of GCC.

9. Packing

9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.

9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, CONDITIONS OF CONTRACT including additional requirements, if any, and in any subsequent instructions ordered by the purchaser.

10. Delivery and documents

10.1 Delivery of the goods and arrangements for shipping and clearance obligations, shall be made by the supplier in accordance with the terms specified in the contract.

11. Insurance

11.1 The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified.

12. Transportation

12.1 Should a price other than an all-inclusive delivered price be required, this shall be specified.

13. Incidental Services

13.1 The supplier may be required to provide any or all of the following services, including additional services, if any:

(a) performance or supervision of on-site assembly and/or commissioning of the supplied goods;
(b) furnishing of tools required for assembly and/or maintenance of the supplied goods;
(c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;

(d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and

(e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.

13.2 Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.

14. Spare parts

14.1 As specified, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:

(a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and;

(b) in the event of termination of production of the spare parts:
(i) advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
(ii) following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

15.1 The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.

15.2 This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise.

15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.

15.4 Upon receipt of such notice, the supplier shall, within the period specified and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.

15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

16. Payment

16.1 The method and conditions of payment to be made to the supplier under this, contract shall be specified.

16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.

16.3 Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.

16.4 Payment will be made in Rand unless otherwise stipulated.

17. Price

17.1 Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his

bid, with the exception of any price adjustments authorized or in the purchaser's request for bid validity extension, as the case may be.

18. Variation Orders

18.1 In cases where the estimated value of the envisaged changes in purchase does not vary more than 15% of the total value of the original contract, the contractor may be instructed to deliver the goods or render the services as such. In cases of measurable quantities, the contractor may be approached to reduce the unit price, and such offers may be accepted provided that there is no escalation in price.

19. Assignment 19.1 The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.

20. Subcontracts

20.1 The supplier shall notify the purchaser in writing of all subcontracts awarded under this contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.

21. Delays in the supplier's performance

21.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract

21.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.

21.3 The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the goods are required, or the supplier's services are not readily available.

21.4 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of penalties.

21.5 Upon any delay beyond the delivery period in the case of a goods contract, the purchaser shall, without cancelling the contract, be entitled to purchase goods of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier

22. Penalties 22.1 Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under

the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.

23. Termination for default

23.1 The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:

(a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;

(b) if the supplier fails to perform any other obligation(s) under the contract; or

(c) if the supplier, in the judgement of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

23.2 In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner, as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.

23.3 Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.

23.4 If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the supplier as having no objection and proceed with the restriction.

23.5 Any restriction imposed on any person by the purchaser will, at the discretion of the purchaser, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the purchaser actively associated.

23.6 If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:

(i) the name and address of the supplier and / or person restricted by the purchaser;
(ii) the date of commencement of the restriction
(iii) the period of restriction; and
(iv) the reasons for the restriction.

These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.

23.7 If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

24. Anti- dumping and countervailing duties and rights

24.1 When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the supplier to the purchaser or the purchaser may deduct such amounts from moneys (if any) which may otherwise be due to the supplier in regard to goods or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him.

25. Force Majeure

25.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.

25.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

26. Termination for insolvency

26.1 The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the purchaser.

27. Settlement of Disputes

27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.

27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party

27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.

27.4 Notwithstanding any reference to mediation and/or court proceedings herein,

(a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and
(b) the purchaser shall pay the supplier any monies due the supplier for goods delivered and / or services rendered according to the prescripts of the contract.

28. Limitation of Liability

28.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6;

(a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and
(b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

29. Governing language

29.1 The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.

30. Applicable law

30.1 The contract shall be interpreted in accordance with South African laws, unless otherwise specified.

31. Notices

31.1 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice.

31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.

32. Taxes and duties

32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.

32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.

Initials:

32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid SARS must have certified that the tax matters of the preferred bidder are in order.

32.4 No contract shall be concluded with any bidder whose municipal rates and taxes and municipal services charges are in arrears.

33. Transfer of contracts

33. The contractor shall not abandon, transfer, cede assign or sublet a contract or part thereof without the written permission of the purchaser.

34. Amendment of contracts

34.1 No agreement to amend or vary a contract or order or the conditions, stipulations or provisions thereof shall be valid and of any force unless such agreement to amend or vary is entered into in writing and signed by the contracting parties. Any waiver of the requirement that the agreement to amend or vary shall be in writing, shall also be in writing

35. Prohibition of restrictive practices

35.1 In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder(s) is / are or a contractor(s) was / were involved in collusive bidding.

35.2 If a bidder(s) or contractor(s) based on reasonable grounds or evidence obtained by the purchaser has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in section 59 of the Competition Act No 89 0f 1998.

35.3 If a bidder(s) or contractor(s) has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

Revised July 2010

MIDVAAL LOCAL MUNICIPALITY

TERMS OF REFERENCE (TOR)

MIDVAAL LOCAL MUNICIPALITY

Initials:

SPECIFICATION

SPECIFICATION FOR THE SUPPLY, DELIVERY, INSTALLATION, REPAIRS AND MAINTENANCE OF TWO-WAY RADIO SERVICES (INCLUSIVE BODY CAMERAS) FOR MIDVAAL LOCAL MUNICIPALITY FOR A PERIOD OF THREE YEARS TILL 30 June 2025

1. PURPOSE

The Purpose of this bid is to appoint a suitable service provider to supply, delivery, installation, repair, and maintenance of two-way radios (Inclusive body cams) and repeaters for Midvaal Local Municipality from date of award till 30 June 2025

2. BACKGROUND:

Midvaal already over the past 12 years build its own digital and analogue radios network into the entire area of operations for its emergency services and now need to appoint a service provider to supply, delivery, installation, repair and maintenance of Radios and Repeaters (Inclusive of Body Cameras) to Midvaal Local Council as per pricing schedule which must be ICASA (INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA), and SANS 1507 approved and DTI Compliant. We Currently have in operation Approximately:

- 4 x Repeater site
- 50 x Mobile radios
- 50 x Portable Radios
- 30 x Body Cams

3. SCOPE

- The bidder will also be responsible to:
- Supply all repeater “high-sites” with emergency power back-up for the whole of Midvaal covered area
- Have a repair Radio Technical workshop with oscilloscopes and cables for programming and computers.

NB.

Replacement radios and repeaters must be available for Emergency Services while radios are in for repair and ensure no downtime longer than 1 hour.

4. LOCAL CONTENT:

Please note that this bid is subject to local content compliance. According to SANS 1286:2011, the local content of a product is the tender price less the value of imported content, expressed as a percentage. It is, therefore, necessary to first compute the imported value of a product to determine the local content of a product.
This simply means that the products used in this bid should comply with the stipulated percentage**.**
Non-compliance with the minimum threshold will result in your bid being disqualified.
Minimum threshold for local content:

Two Way radio Terminals and Associated Equipment
Portable Radios 60%
Mobile Radios 60%
Repeaters 60%
Components 20%-100%

SPECIFICATIONS:

ANALOG PORTABLE 1

General	
Frequency	VHF 136-174MHz; UHF 400-470 MHz; LICENSE FREE 446MHz
Voltage Rating	DC7.5V
Channel Capacity	16
Channel Spacing	12.5KHz/25KHz
Frequency Stability	±2.5PPM
Antenna Impedance	50Ω
Dimensions (WxHxD)	51mmx105mmx30mm

Receiver	
Reference Sensitivity	-0.28μV (12dB SINAD)
Adjacent Channel Selectivity	≥55dB (W)
Intermediation Rejection	≥60dB (W)
Audio Power	>0.5W
Audio Distortion	<5%

Transmitter	
RF Power	(UHF) 4W/1W (VHF) 5W/1W
Operating Current	≤1.8A
Modulation Sensitivity	16mV
Modulation Distortion	<10%
Spurious Response Rejection	≥70dB
Modulation Type	16KF¢ 3E/11K¢ F3E
CTCSS/CDCSS	0.1KHZ(W), 0.3KHZ±0.1KHZ(N)

MIDVAAL LOCAL MUNICIPALITY

Initials:

ANALOG PORTABLE 2

General		
	VHF	**UHF**
Frequency Range		
Type1	136-174MHz	440-480MHz
Type2	-	400-430MHz
Number Of Channels	16	
Channel Spacing Wide/Narrow	25KHz/12.5KHz	
Channel Step	5, 6.5KHz	
Operating Voltage	7.5V DC ±20%	
Battery Life (5-5-90Duty Cycle, Save off) with KNB-63L	Approx. 10 Hours	
Operating Temperature	-20°C ~ +60°C	
Frequency Stability	5ppm	2.5ppm
Antenna Impendence	50Ω	
Channel Frequency Spread	30MHz	40MHz
Dimensions (WxHxD) Projections not included		
-Radio only	54x113x14 mm	
-with Battery	54x113x24.9 mm	
Weight (net)		
- Body only	Approx. 130g	
-With Battery	Approx. 203g	
FCC ID		
Type 1	ALH437200	ALH437300
Type 2	-	ALH437301
FCC Compliance	Parts 15/90	Parts 15/90

Receiver		
	VHF	**UHF**
Sensitivity (12dB SINAD) Wide/Narrow	0.25µV / 0.28µV	
Selectivity Wide/Narrow	70 dB / 60 dB	
Intermodulation Distortion Wide/Narrow	65dB / 60dB	
Spurious Response	65dB	60dB
Audio Distortion	Less than 5%	
Audio Output	500 mW / 8Ω	
Transmitter		
	VHF	**UHF**

MIDVAAL LOCAL MUNICIPALITY

Initials:

RF Power Output High/Low	5W / 1W	4W / 1W
Spurious Response	65 dB	
Modulation Wide/Narrow	16K0F3E / 13KOF3E	
FM Hum & Noise Wide/Narrow	45 dB / 40dB	
Audio Distortion	Less than 5%	
International Protection Standard		
Dust & Water Protection	IP54	

MIDBAND PORTABLE OPTION 1 – NO DISPLAY

General		
	Midband	
Frequency Range	66-88MHz	
Channel Capacity	128	
Channel Spacing	12.5/20/25kHz	
Phase-Locked Step	5KHz/6.25KHz	
Operating Voltage	17.4V DC ±20%	
Operating Temperature Range	-30°C ~ +60°C	
Battery Life	More than 16 Hours (1600mAh)	
Frequency Stability	±2.5ppm	
Operating Temperature	-20°C ~ 55°C	
Size	122x60x34mm (With Battery Pack)	
Weight	210g (With Battery Pack)	
Receiver		
	Wide Band	**Narrow Band**
Sensitivity (12dB SINAD)	≤0.25µV	≤0.35µV
Adjacent Channel Selectivity	≥70dB	≥60dB
Intermodulation (Analogue)	≥ 65dB	≥60dB
Spurious Rejection	≥70dB	≥70dB
Audio Response	+1 ~ -3dB (0.3-3KHz)	+1 ~ -3dB (0.3-2.25KHz
Hum & Noise	≥40dB	≥36dB
Audio Distortion	≤5%	
Audio Power Output	1000mW/10%	

MIDVAAL LOCAL MUNICIPALITY

Initials:

Transmitter		
	Wide Band	**Narrow Band**
RF Power Output	5W	
Modulation Limit	16KϕF3E	11KϕF3E
Adjacent Channel Power	≥70dB	≥65dB
Hum & Noise	≥40dB	≥36dB
Spurious Emission	≤-36dB	≤-36dB
Audio Response	+3~-3dB (0.3-2.25KHz)	+1~ -3dB (0.3-2.25KHz)
Audio Distortion	≤5%	

MIDBAND PORTABLE OPTION 2 – DISPLAY

General	
	Midband
Frequency Range	66-88MHz
Channel Capacity	256
Channel Spacing	12.5/25kHz
Operating Temperature	-25°C ~ +55°C
Antenna Impendence	50Ω
Microphone Impendence	2k Ω
Battery Standard	Li-ion 1700mAh
Operating Temperature	-20°C ~ 55°C
Dimensions (WxHxD)	56mmx120mmx35mm
Weight	305g (With Battery and Antenna)

Receiver	
	Midband
Sensitivity (12dB SINAD)	≤0.25µV (W)/0,28µV(N)
Operating Band Width	±7KHz(W)V/±3.5KHz(N)
Adjacent Channel Selectivity	≥70dB(W)/60dB(N)
Intermodulation Reject Ratio	≤65dB
Spurious Response Reject Ratio	≥70dB(W)/≥60dB(N)
AF Power Output	500mW (Distortion less than 5%

Transmitter	
	Midband
RF Power Output	5W/1W
Spurious and Harmonics	≤-70dB
FM Noise (300-3000Hz)	≤-40dB(W)/≤-35dB(N)
FM Distortion (300-3000Hz)	≤5%
Maximum Frequency Deviation	±5kHz(W)/±2.5kHz(N)

MIDVAAL LOCAL MUNICIPALITY

PORTABLE DIGITAL RADIO 1

General		
	VHF	**UHF**
Frequency Range	136-174MHz	400-470MHz
Max. Channels per Radio	260 (64 for no LCD models)	
Max channels per zone	250 (16 for no LCD Models)	
Number of Zones	128 (4 for no LCD Models)	
Channel Spacing Analogue	25/20/12.5 kHz	
Digital	12.5/6.25 kHz	
Power Supply	7.5 VDC ±20%	
Battery Life (5-5-90)	TDMA	FDMA
45L	14.5H	11H
53N	10H	7H
69L	19H	14H
Operating Temperature	-30°C ~ +60°C	
Frequency Stability	±0.5 ppm	
Dimensions (WxHxD) Projections not included		
-Radio only	54x123x33.5 mm	
45L/82LC	54x123x33.5 mm	
53N	54x123x33.5 mm	
69L	54x123x37.5 mm	
Weight (net)		
Radio only	175g	
45L/82LC	295g	
53N	365g	
69L	310g	

MIDVAAL LOCAL MUNICIPALITY

Initials:

Receiver		
	VHF	**UHF**
Sensitivity		
FDMA @ 12.5/6.25 kHz 1% BER	-4.4dBµVemf(0.30µV) / -6.4dBµVemf(0.24µV)	
FDMA @ 12.5/6.25 kHz 3% BER	-6.4dBµVemf(0.24µV) / -8.4dBµVemf(0.19µV)	
DMR @ 12.5 kHz 1% BER	-5.0dBµVemf (0.28µV)	
DMR @ 12.5 kHz 5% BER	-8.0dBµVemf (0.20µV)	
Analogue (12dB SINAD) (25/20/12.5kHz)	-5.7dBµVemf(0.26µV) / -5.4dBµVemf(0.27µV) / -7.1 dBµVemf(0.22µV)	
Analogue (20dB SINAD) (25/20/12.5kHz)	-3.9dBµVemf(0.32µV) / -3.6dBµVemf(0.33µV) / -3.6 dBµVemf(0.33µV)	
Selectivity Analogue @ 25/20/12.5kHz	74/72/67 dB	
Intermodulation	65dB	
Spurious Rejection	70dB	
Audio Distortion	7%	
Audio Output (Internal)	1W	

Transmitter		
	VHF	**UHF**
RF Power Output	5/4/2.5/1W	
Spurious Emission	<1GHz ≤ -36dBm, 1GHz - 4GHz ≤ -30dBm	
Modulation Wide/Narrow	16K0F3E / 13KOF3E	
FM Hum & Noise Analogue @ 25/20/12.5kHz	45/45/40 dB	
DMR Digital Protocol	ETSI TS 102 361-1, -2, -3	
Emission Designator	16K0F3E, 14K0F2D, 14K0F3E, 12K0F2D, 8K50F3E, 7K50F2D, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D, 7K60FXE, 7K60FXD	

MIDVAAL LOCAL MUNICIPALITY

Initials:

International Protection Standard	
Dust & Water Protection	IP54, 55

PORTABLE DIGITAL RADIO 2

General		
	VHF	**UHF**
Frequency Range	136-174MHz	400-470MHz
Max. Channels per Radio	Up to 1000 channels with option	
Number of Channels	512 (64 for no LCD Models)	
Number of Zones	128 (4 for no LCD Models)	
Channel Spacing Analogue	12.5/20/25 kHz	
Digital	6.25/12.5 kHz	
Power Supply	7.5 VDC ±20%	
Battery Life (5-5-90)	TDMA	FDMA
55L (1480 mAh)	Approx. 8 Hours	Approx. 9.5 Hours
56N (1400 mAh)	Approx. 8 Hours	Approx. 9 Hours
57L (2000 mAh)	Approx. 11 Hours	Approx. 13.5 Hours
Operating Temperature	-30°C ~ +60°C	
Frequency Stability	±2.0 ppm	±1.0 ppm
Dimensions (WxHxD) Projections not included		
-Radio only	56x119.6x36.4 mm*[1]	
(1480 mAh) Battery	56x119.6x36.4 mm*[1]	
(1400 mAh) Battery	56x119.6x42.7 mm*[1]	
(2000 mAh) Battery	56x119.6x39 mm*[1]	
Weight (net)		
Radio only	220g*[2]	
(1480 mAh) Battery	315g*[2]	
(1400 mAh) Battery	410g*[2]	
(2000 mAh) Battery	340g*[2]	

MIDVAAL LOCAL MUNICIPALITY

Receiver		
	VHF	**UHF**
Sensitivity Digital		
FDMA @ 6,25/12.5 kHz 3% BER	0.20µV / 0,25µV	
FDMA @ 6.25/12.5 kHz 1% BER	-4.0dBµV(0.32µV) / -1dBµV(0.45µV)	
DMR @ 12.5 kHz 5% BER	-4.5dBµV (0.30µV)	
DMR @ 12.5 kHz 1% BER	-1dBµV (0.45µV)	
Sensitivity-Analogue (12dB SINAD) (12.5/20/25kHz)	0.25µV	
Sensitivity-Analogue (20dB SINAD) (12.5/20/25kHz)	-1dBµVemf(0.45µV) / -3dBµVemf(0.33µV) /	-3 dBµVemf(0.33µV)
Selectivity Analogue @ 25/20/12.5kHz	76/74/68 dB	
Intermodulation	65dB	
Spurious Rejection	65dB	
Audio Distortion	3%	
Audio Output (Internal Speaker)		
3% Distortion	500mW / 8 Ohm	
5% Distortion	1000mW / 8 Ohm	

Transmitter		
	VHF	**UHF**
RF Power Output	5W/4W/1W	
Spurious Emission	-36dBm ≤ 1GHz, -30dBm > 1GHz	
FM Hum & Noise Analogue @ 25/20/12.5kHz	45/45/40 dB	
Audio Distortion	3%	
Digital Protocol	ETSI TS 102 361-1, -2, -3	
Emission Designator	16K0F3E, 14K0F2D, 14K0F3E, 12K0F2D, 8K50F3E, 7K50F2D, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D, 7K60FXE, 7K60FXD	

MIDVAAL LOCAL MUNICIPALITY

Initials:

International Protection Standard	
Dust & Water Protection	IP54, IP55, IP67

PORTABLE DIGITAL RADIO 3

General		
	5200	**5300**
Frequency Range	136-174MHz	400-470MHz
Max. Channels per Radio	1024 (Up to 4000 channels with option)	
Number of Channels per zone	512	
Number of Zones	128	
Channel Spacing Analogue	12.5/20/25 kHz	
Digital	6.25/12.5 kHz	
Power Supply	7.5 V DC ±20%	
Battery Life (5-5-90/10-10-80 duty cycle)		
L1-2000mAh	10 Hours/6.5 Hours	
L2-2600mAh	12.5 Hours/8.5 Hours	
L3-3400mAh	17 Hours/11 Hours	
N4-2500mAh	12.5 Hours/8.5 Hours	
KBP-8 (w/AA batteriesx12)	High Power: Approx. 11Hours/8Hours	Low Power: Approx. 25Hours/18Hours
Operating Temperature	-30°C ~ +60°C	
Frequency Stability	±2.0 ppm	±1.0 ppm
Antenna Impendence	50Ω	
Dimensions (WxHxD) Radio w/battery, Protections not included		
2000mAh	58.0x138.9x39.8mm	
2600mAh	58.0x138.9x42.8mm	
3400mAh	58.0x138.9x48.2mm	
2500mAh	58.0x166.4x48.5mm	
KBP-8	67.0x218.3x44.6	
Weight (net) Radio with Battery		
2000mAh	382g	

EMFULENI LOCAL MUNICIPALITY

Initials:

2600mAh	406g
3400mAh	449g
2500mAh	579g
KBP-8	Approx. 712g
Applicable Standards	
EMC	EN 301 489-3, EN 301 489-5, EN 301 489-17
Spectrum	EN 300 086, EN 300 113, EN 300 219, EN 300 328, EN 300 440, EN 301 166
Safety	EN 60065, EN 60215, EN 60950-1

Receiver		
	5700	**5800**
Sensitivity Digital		
FDMA @ 6,25/12.5 kHz 3% BER	0.25µV / 0,32µV	
FDMA @ 6.25/12.5 kHz 1% BER	-4dBµV(0.32µV) / -1dBµV(0.45µV)	
P25 @ 12.5 kHz 5% BER	0.28dBµV	
Selectivity P25 Digital	63dB	
Intermodulation	65dB	
Spurious Rejection	75dB	
Audio Distortion	3%	
Audio Output	500mW/8Ω (3% Distortion) /	1000mW/8Ω (5% Distortion)

Transmitter		
	VHF	**UHF**
RF Power Output	6 to 1 W	5 to 1 W
Spurious Emission	-36dBm ≤ 1GHz, -30dBm > 1GHz	
FM Hum & Noise Analogue @ 25/20/12.5kHz	45/50/50 dB	
Audio Distortion	2%	
Emission Designator	16K0F3E, 14K0F2D, 14K0F3E, 12K0F2D,11K0F3E, 8K50F3E, 7K50F2D, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D, 7K60FXE, 7K60FXD	

International Protection Standard	
Dust & Water Protection	IP54, IP55
Immersion	IP67, IP68

Take Note: All digital radios must be Frequency Division Multiple Access (FDMA) and DMR Time Division Multiple Access (TDMA) compatible.

Initials:

SIM CARD PORTABLE RADIO OPTION 1

General	
	Sim Card
Communication Systems & Frequency Bands (Optional)	**Version 1 (EMEA):**
	FDD-LTE: Band 1,3,5,7,8,20;
	TDD-LTE: Band 38,40,41;
	WCDMA: Band 1,2,5,8;
	GSM/GPRS: Band 2,3,5,8;
	WiFi: 2.4/5GHz
Channel Spacing	2G: 200kHz 3G: 5Mhz
Operating Temperature	-20°C - +50°C
Storage Temperatures	-40°C - +80°C
Operating Supply	DC 3.7V
Battery	4000mAh (Standard); 5200mAh (High Capacity)
Dimension (HxWxD) (with battery, without antenna)	115mmx54mmx30mm
Weight (With battery & Antenna)	330g
Display	NA
IP Rating	IP54

Receiver	
	Sim Card
Frequency Stability	±0.1ppm
Sensitivity	2G: BER < 0.001 when Ior = 1µV;
	3G: BER < 0.001 when Ior = 1µV
Rated Audio Power	1W
Rated Audio Distortion	5% (Typical)

Transmitter	
	Sim Card
RF Power Output	2G: 2W ±0.5W/3G: 0.25W ± 0.1W
Frequency Stability	±0.1ppm
Audio Distortion	5% (Typical)

MIDVAAL LOCAL MUNICIPALITY

Initials:

SIM CARD PORTABLE RADIO OPTION 2

General	
	Sim Card
Network Bands	**Africa**
	LTE FDD: B1/B3/B5/B7/B8/B20
	LTE TDD: B38/ B40/ B41
	WCDMA: B1/B5/B8
	GSM: 85 /900 /1800 1900MHz
RAM + ROM	1GB + 8GB
Operating System	Android 7.1
Battery	3.8V 3000mAh
WiFi	2.4GHz/5GHz
Bluetooth	4.0 BLE
Position	GPS
NFC	Supported (Optional)
Dimensions	38mmx58mmx25mm
Weight	≤200g
Display	1.77" Colour Display Screen
Operating Temperature	-20°C +60°C

ANALOG MOBILE OPTION 1

General		
	VHF	**UHF**
Frequency Range	136-174MHz	438-490MHz
Channel Capacity	8	
Operating Temperature	-25°C ~ +55°C	
Antenna impedance	50Ω	
Power Supply	DC 13.6V ±20%	
Dimensions (WxHxD)	150mmx43mmx129mm	
Weight	1030g	

MIDVAAL LOCAL MUNICIPALITY

Initials:

Receiver		
	VHF	**UHF**
Sensitivity (12 dB SINAD) EIA	0.28µV @ 12.5KHz, 0.25µV @ 20/25KHz Typical	
Intermodulation	65dB	
Adjacent Channel Selectivity	60dB @ 12.5KHz, 70dB @ 20/25KHz	
Spurious Rejection	70dB	
Rated Audio	4W	
Audio Distortion @ Rated Audio	+1 ~ -3dB	
Audio Response (300-3000Hz)	-50dBm < 1GHz, -47dBm > 1GHz	
Conducted Spurious Emission		

Transmitter		
	VHF	**UHF**
Frequency Stability (-25 to 55, 25Ref)	2.5ppm	
Power Output	5W/25W	
Modulation Limiting	±2.5KHz @ 12.5KHz, ±5KHz @25KHz	
FM Hum & Noise	-40dB Typical	
Conducted/Radiated Emission	-36dBm < 1GHz, -30dBn > 1GHz	
Adjacent Channel Power	-60dB @ 12.5KHz, -70dB @ 20/25KHz	
Audio Response (300-3000Hz)	+1 ~ -3dB	
Audio Distortion	< 5%	

ANALOG MOBILE OPTION 2

General		
	VHF	**UHF**
Frequency Range	66-88MHz, 136-174MHz, 400-450MHz, 438-490MHz, 470-512MHz	
Channel Capacity	256	
Channel Spacing	12.5KHz / 25KHz	
Frequency Stability	±2.5ppm	
Operating Temperature	-30°C ~ +60°C	
Operating Voltage	13.6V DC ± 20%	
Dimensions (HxWxD)	150mmx131mmx43mm	
Weight	1310g	

MIDVAAL LOCAL MUNICIPALITY

Initials:

Receiver		
	VHF	**UHF**
Reference Sensitivity	0.28µV @ 12.5KHz, 0.25µV @ 25KHz	
Intermodulation Rejection TIA	70dB	
Adjacent Channel Selectivity	60dB @ 12.5KHz, 70dB @ 25KHz	
Spurious Response Rejection	70dB	
Rated Audio Output	4W	
Rated Audio Distortion	≤3%	
S/N	45/40	

Transmitter		
	VHF	**UHF**
RF Power	25W/10W/5W	25W/10W/5W
Frequency Modulation	16KφF3E / 11KφF3E	
Antenna Impedance	50Ω	
Modulation Limiting	±2.5KHz @ 12.5KHz / ±5KHz @ 25KHz	
Modulation Distortion	< 3%	
Radiated Spurious Emission	-36dBm<1GHz / -30dBm.1GHz	
FM Noise	45dB @ 25KHz / 40dB @ 12.5KHz	

MIDBAND MOBILE RADIO

General	
	Midband
Frequency Range	66-88MHz
Channel Capacity	256
Channel Spacing	12.5/25kHz
Frequency Stability	±2.5ppm
Operating Temperature	-30°C ~ +60°C
Operating Voltage	13.6V DC ±20%
Dimensions (WxHxD)	50mmx131mmx43mm
Weight	305g (With Battery and Antenna)

Receiver	
	Midband
Reference Sensitivity	0.28µV @ 12.5KHz, 0,25µV @ 25KHz
Operating Band Width	±7KHz(W)V/±3.5KHz(N)
Adjacent Channel Selectivity	60dB @ 12.5KHz, 70dB @ 25KHz
Intermodulation Reject TIA	70dB
Spurious Response Rejection	70dB
Rated Audio Output	4W
S/N	45/40
Rated Audio Distortion	≤3%

MIDVAAL LOCAL MUNICIPALITY

Initials:

Transmitter	
	Midband
RF Power Output	25W
Frequency Modulation	16KϕF3E/11KϕF3E
Antenna Impendence	50Ω
Modulation Limiting	±2.5KHz @ 12.5KHz / ±5KHz @ 25KHz
Modulation Distortion	<3%
Radiated Spurious Emission	-36dBm<1GHz/-30dBm>1GHz
FM Noise	45dB @ 25KHz/40dB @ 12.5KHZ

MOBILE DIGITAL RADIO 1

General		
	VHF	**UHF**
Frequency Range	136-174MHz	400-470MHz
Max. Channels per Radio	Up to 1000 channels with option	
Number of Channels	512	
Number of Zones	128	
Channel Spacing Analogue	12.5/20/25 kHz	
Digital	6.25/12.5 kHz	
Power Supply	13.2 VDC (10.8 - 15.6 VDC)	
Current Drain		
Standby	0.45A	
RX	2.3A	
TX	9A	
Operating Temperature	-30°C ~ +60°C	
Frequency Stability	±1.0 ppm	
Antenna Impendence	50Ω	
Dimensions (WxHxD) Projections not included		
-Radio only	160x43x160mm	
Weight (net)		
Radio only	1.2kg	
Applicable Standards		
EMC	EN 301 489-3, EN 301 489-5, EN 301 489-17	
Spectrum	EN 300 086, EN 300 113, EN 300 219, EN 300 328, EN 300 440, EN 301 166	
Safety	EN 60215, EN 60950-1, EN 62368-1	

MIDVAAL LOCAL MUNICIPALITY

Receiver		
	VHF	**UHF**
Sensitivity Digital		
FDMA @ 6,25/12.5 kHz 3% BER	0.20µV / 0,28µV	
FDMA @ 6.25/12.5 kHz 1% BER	-5.0dBµV(0.28µV) / -2dBµV(0.40µV)	
DMR @ 12.5 kHz 5% BER	-4.5dBµV (0.30µV)	
DMR @ 12.5 kHz 1% BER	-2dBµV (0.40µV)	
Sensitivity-Analogue (12dB SINAD) (12.5/20/25kHz)	0.25µV	
Sensitivity-Analogue (20dB SINAD) (12.5/20/25kHz)	-1dBµVemf(0.45µV) / -3dBµVemf(0.33µV)	
Selectivity Analogue @ 25/20/12.5kHz	80dB/78dB/70dB	78dB/76dB/68dB
Intermodulation	70dB	
Spurious Rejection	80dB	
Audio Distortion	2%	
Audio Output	4W/4Ω	

Transmitter		
	VHF	**UHF**
RF Power Output	25W/5W	
Spurious Emission	-36dBm ≤ 1GHz, -30dBm > 1GHz	
FM Hum & Noise Analogue @ 25/20/12.5kHz	45/50/50 dB	
Audio Distortion	2%	
Digital Protocol	ETSI TS 102 361-1, -2, -3	
Emission Designator	16K0F3E, 14K0F2D, 14K0F3E, 12K0F2D,11K0F3E, 8K50F3E, 7K50F2D, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D, 7K60FXE, 7K60FXD	

International Protection Standard	
Dust & Water Protection	IP54 (Radio unit itself

MOBILE DIGITAL RADIO 2

MIDVAAL LOCAL MUNICIPALITY

Initials:

General		
	5700	**5800**
Frequency Range	136-174MHz	400-470MHz
Max. Channels per Radio	1024 (Up to 4000 channels with option)	
Number of Channels per zone	512	
Number of Zones	128	
Channel Spacing Analogue	12.5/20/25 kHz	
Digital	6.25/12.5 kHz	
Power Supply	13.2 VDC (10.8 – 15.6 VDC)	
Current Drain		
Standby	0.45A	
RX	2.3A	
TX	9A	
Operating Temperature	-30°C ~ +60°C	
Frequency Stability	±1.0 ppm	
Antenna Impendence	50Ω	
Dimensions (WxHxD) Radio with control head	171x48x176mm	
Weight (net)		
Radio with control head	1.6kg	
Applicable Standards		
EMC	EN 301 489-3, EN 301 489-5, EN 301 489-17	
Spectrum	EN 300 086, EN 300 113, EN 300 219, EN 300 328, EN 300 440, EN 301 166	
Safety	EN 60065, EN 60215, EN 60950-1	
Receiver		
	5700	**5800**
Sensitivity Digital		
FDMA @ 6,25/12.5 kHz 3% BER	0.25µV / 0,32µV	
FDMA @ 6.25/12.5 kHz 1% BER	-4dBµV(0.32µV) / -1dBµV(0.45µV)	
P25 @ 12.5 kHz 5% BER	0.28dBµV	
Selectivity P25 Digital	63dB	
Audio Distortion	2%	
Audio Output	4W/4Ω (Remote Control Head: 3W/4Ω)	

MIDVAAL LOCAL MUNICIPALITY

Initials:

Transmitter		
	VHF	**UHF**
RF Power Output	25W/5W	
Spurious Emission	-36dBm ≤ 1GHz, -30dBm > 1GHz	
FM Hum & Noise Analogue @ 25/20/12.5kHz	45/50/50 dB	
Audio Distortion	2%	
Emission Designator	16K0F3E, 14K0F2D, 14K0F3E, 12K0F2D,11K0F3E, 8K50F3E, 7K50F2D, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D, 7K60FXE, 7K60FXD	

International Protection Standard	
Dust & Water Protection	IP54, IP55
Immersion	IP67, IP68

SIM CARD RADIO – MOBILE

General	
	Sim Card
Communication mode & Frequency Band	3G: WCDMA 850Mhz + 900Mhz + 1900Mhz + 2100Mhz
	2G: GSM 850M + 900M + 1800M + 1900M
	Wifi: 2.4Ghz
Operating Temperature	-30°C to +60°C
Storage Temperature	40°C to +80°C
Power Supply	DC 8-36V (Typical DC 12.5V) meet with IOS7637
Dimension (HxWxD)	43.4mmx152.6mmx
Dimensions (WxHxD)	150mm x 43mm x 129mm x 50.7mm
Weight	280g
Display	160x128 Pixels, Monochrome LCD Screen
Dustproof & Waterproof	IP54
Ports	1 x power port (Can connect ACC power of vehicle)
	1 x Microphone port, 1 x USB port
	1 x WCDMA/GSM wireless port, 1 x GPS antenna port, 3 x Card slots (2 x Sim Card slots, 1 x TF Card slot)

Receiver	
	Sim Card
Frequency Stability	±0.1ppm
Sensitivity	(2G) BER < 0.001 lor = 1µV / -106.7dBm
	(3G) BER < 0.001 lor = 1µV / -106.7dBm
Rated Radio Power	1W
Rated audio Distortion	5% (Typical)

EMFULENI LOCAL MUNICIPALITY

Transmitter	
	Sim Card
RF Power Output	(2G) 2W ±0.5W/33.5dBm ±1.5dB
	(3G) 0.25W ± 0.1W / 24dBm ± 1.5dB
Frequency Stability	±0.1ppm
Audio Distortion	5% (Typical)

REPEATER OPTION 1

General		
	VHF	**UHF**
Frequency Range	136-174MHz	436-470MHz
Channel Capacity	30	
Channel Spacing		
Analogue	12.5/20/25kHz	
Digital	6.25/12.5kHz	
PLL Channel Step	2.5/3.125kHz	3.125/5kHz
Standby	0.5A	
Receive	1.0A	
Transmit	11.0A	
Duty Cycle (TX,RX)	100% at 25W, 50% at Maximum power	
Frequency Stability	± 1.0 ppm	
Operating Voltage	13.2V DC (10.8 – 15.6V DC)	
Operating Temperature Range	-30°C ~ +60°C	
Antenna impedance	50Ω	
Dimensions (WxHxD)	1483mmx88mmx340mm	
Weight (Net)	9.7kg	
Applicable Standards		
ETSI R&TTE	EN 300 086, EN 300 113, EN 300 219, EN 301 489,	EN 301 166
ETSI Safety	EN 60065, EN 60950-1, EN 60215	
Receiver		
	VHF	**UHF**
Sensitivity (Analogue) (25kHz /20kHx/12.5kHz)		
EIA 12dB Sinad	0.28µV	
EN 20dB Sinad	-3 dBµV (0.35µV)	
Adjacent Channel Selectivity (Analogue) (25kHz/20kHz/12,5kHz)	83dB/81dB/77dB	80dB/78dB/74dB
Intermodulation (Analogue)	72dB	
Spurious Response Rejection (Analogue)	85dB	
Audio Distortion	Less Than 2.5% at 1000Hz	
Audio Output	4W (at 4Ω, less than 5% Distortion)	

MIDVAAL LOCAL MUNICIPALITY

Transmitter		
	VHF	**UHF**
RF Power Output	5W to 50W	5W to 40W
Modulation Limiting (Analogue)	±5.0kHz at 25 kHz	
	±4.0 kHz at 20 kHz	
	±2.5 kHz at 12.5 kHz	
Spurious Emission	-36dBm ≤ 1GHZ, -30dBm . 1GHz	
FM Noise (EIA) (Analogue, 25kHz/20kHz/12.5kHz)	55dB / 53dB / 50dB	
Modulation Distortion	Less Than 1% at 1000 Hz	
Modulation	16K0F3E, 14K0F3E, 14K0F2D, 12K0F2D, 8K50F3E, 7K50F2D, 8K30F1E, 8K0F1D, 8K30F7W, 4K00F1E, 4K00F7W, 4K00F2D	

Take Note: Digital Repeater Option 1 must comply to the following:

- Mixed Digital & FM Analog Operation
- 30 Channel Scanning Base Station
- Multi-Site Conventional IP Network
- Programmable AUX I/O'

DIGITAL REPEATER OPTION 2

General		
	5700	**5800**
Frequency Range		
Type 1	136-174 MHz	450-520 MHz
Type 2		400-470 MHz
Type 3		350-400 MHz
Channel Spacing	12.5/6.25 kHz	12.5/6.25 kHz
PLL Channel Step	6.25/5/3.125/2.5 kHz	6.25/5/3.125 kHz
Frequency Stability	12.5/20/25kHz	
Radio Only	±0.5ppm	
M2	±1.0ppm	
M3	±0.1ppm	
Operating Voltage	13.6 V DC ± 15%	
Operating Temperature Range	-30°C to + 60°C	
Antenna Impendence	50Ω	
Dimensions (WxHxD) Projections not included	483x44x331mm	
Weight (Net)	5kg	
FCC ID Type 1	K44474500	K44474600
Type 2		K44474601
IC Certification Type1	282F-474500	
Type2		282F-474601

MIDVAAL LOCAL MUNICIPALITY

Receiver		
	5700	**5800**
Sensitivity		
Digital @ 6.25 kHz (3% BER)	0.27µV	
Digital @ 12.5kHz (3% BER)	0.33µV	
Analog (12 dB SINAD)	0.30µV	
Selectivity		
Analog @ 25/30 kHz	92 dB (±30kHz)	86 dB (±25kHz)
Analog @ 12.5kHz	84 dB (±12.5kHz)	80dB (±12.5kHz)
FM Hum & Noise		
Analog @ 25/30 kHz	55dB	
Analog @ 12.5 kHz	50dB	
Intermodulation Distortion	85 dB (±50/100 kHz)	
Spurious Response	100dB%	
Audio Distortion (Ext. SP)	Less than 2% (at0.3W)	
Audio Output (Ext. SP)	3W (at 4Ω less than 5% distortion	

Transmitter		
	VHF	**UHF**
RF Power Output	25/0.5W	
Max Duty Cycle	100%	
Spurious & Harmonics	73 dB	
FM Hum & Noise		
Analog @ 25/30 kHz	55 dB	
Analog @ 12.5 kHz	50 dB	
Audio Distortion	Less Than 1% at 1000 Hz	
Emission Designator	16K0F3E, 14K0F3E, 14K0F2D, 12K0F2D, 8K50F3E, 7K50F2D, 8K30F1E, 8K0F1D, 8K30F7W, 4K00F1E, 4K00F7W, 4K00F2D	

MIDVAAL LOCAL MUNICIPALITY

Initials:

MIDBAND REPEATER

Main Technical features	
Operation	**Simplex, semi duplex, full duplex and 100% continuous use**
Modulation	FM (F3E)
Channel	255
Frequency band	66-88
Channel Spacing	12.5KHz, 25khZ programmable and channel dependent
Signalling System	CTCSS Enc-des, DCS, Selcall fixed Multi standard
Duplexer	6 cells
Operating Temperature	-25/+55°C
Transmitter	17 Hours/11 Hours
RF Power Output	4-50 W channel dependent
Receiver	
Sensitivity	Better than 0.30uV
Power Supply	
Power Supply (Housing with Fan)	13.8Vdc
Battery (optional)	Battery Charger 13.8 Vdc 6A max
Protection	Line Fuse 5A; Battery Fuse 10A
HW Configuration	
Box	Rack 19" 3 U
Connector rear panel	VDE power supply
	Battery Connector
	DB25 Accessory
	N Tx out
	N Rx In
	N Duplexer Tx in
	N Duplexer Rx out
	N Antenna

Receiver	
Sensitivity	0.25uV (12dB SINAD EIA) 0.5uV (20dB SINAD ETS)typical
Audio Response	300-3000Hz(+1,-3dB) 6dB/Oct
Audio Power Output	>2W@10%
FM Noise	-40dB/12.5KHz
Selectivity	>60dB/12.5KHz
Intermodulation	>60dB
Spurious Rejection	>70dB
Audio Distortion	3%
Audio Output	500mW/8Ω (3% Distortion) / 1000mW/8Ω (5% Distortion)

MIDVAAL LOCAL MUNICIPALITY

Transmitter	
Power Output	Adj. 4 - 50 Watts
TX Current	5 Amp
Modulation	FM
Audio Distortion	<5%
Audio Response	300-3000Hz (+1,-3dB) 6dB/Oct
FM Noise	-40dB/12.5KHz
Harmonic	<-60dB
Max Deviation	2.5KHz
Adjacent Channel Power	<-60dBc/12.5KHz
Strat Time	<70m Sec
Time-out Timer	0-240Sec

UHF MOBILE ANTENNA		
FREQUENCY COVERAGE	IN MHz.	390 -470
BAND WIDTH	IN MHz.	40
GAIN	In dBi	2 TO 3 dBi
VSWR	< THAN	<1.5:1
POWER	IN WATTS	100
IMPENDANCE	IN OHMS	50
WHIP MATERIAL	S-STEEL	17-7PH
MOUNTING HOLE SIXE	IN mm	19-20
SHOCK SPRING MATERIAL	S-STEEL	17-7PH
FEEDER CABLE	TYPE LENGTH	RG58 X 5Met.
MOUNTING SPECIFICATION	IN DEGREES	0/90/180/360

VHF MOBILE ANTENNA		
FREQUENCY COVERAGE	IN MHz.	132 – 174
BAND WIDTH	IN MHz.	7
GAIN	In dBi	2 TO 3 dBi
VSWR	< THAN	<1.5:1
POWER	IN WATTS	100
IMPENDANCE	IN OHMS	50
WHIP MATERIAL	S-STEEL	17-7PH
MOUNTING HOLE SIXE	IN mm	19-20
SHOCK SPRING MATERIAL	S-STEEL	17-7PH
FEEDER CABLE	TYPE LENGTH	RG58 X 5Met.
MOUNTING SPECIFICATION	IN DEGREES	0/90/180/360

MIDVAAL LOCAL MUNICIPALITY

Initials:

MIDBAND MOBILE ANTENNA		
FREQUENCY COVERAGE	IN MHz.	54 – 174
BAND WIDTH	IN MHz.	20
GAIN	In dBi	UNITY
VSWR	< THAN	<1.5:1
POWER	IN WATTS	100
IMPENDANCE	IN OHMS	50
WHIP MATERIAL	S-STEEL	17-7PH
MOUNTING HOLE SIXE	IN mm	19-20
SHOCK SPRING MATERIAL	S-STEEL	17-7PH
FEEDER CABLE	TYPE LENGTH	RG58 X 5Met.
MOUNTING SPECIFICATION	IN DEGREES	0/90/180/360

Mobile Vehicle Radio Antenna GSM

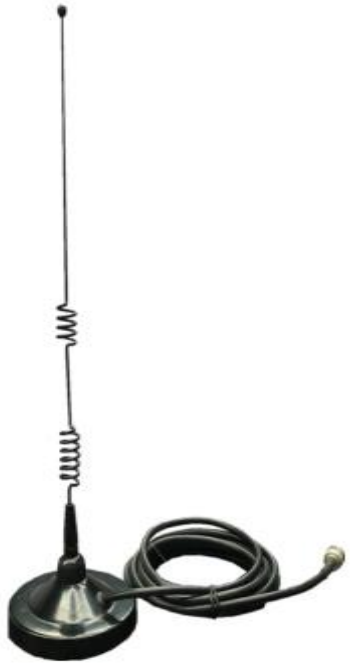
C/W 4m coax cable and connector (Window Mount)

GSM Signal (Cell phone Signal)

MAGNET BASE FOR ANTENNAS

Cable Length	Adaptor Type	Magnet Diameter	Mounting Hole size	Fit up to Plate	Adjustment
5 Meters RG58U	Swivel Type	80mm	N/A	Any size	180 Deg.

Initials:



Electrical Data	M-952
Frequency Range	698-2700mHz - 4G
Gain	6dBi
VSWR	≤1.5:1
Polarization	Vertical
Radiation	Omni
Impendence	50Ω
Rated Power	50W

Mechanical Data	
Cable Length/Type	4m / RG 58
Connector Type	SMA Male
Color	Black
Size	Base:90mm/Height:350mm
Weight	110g
Base	Steel With Magnet

VAAL LOCAL MUNICIPALITY

TTFF (Time to first fix) - Cold Start
TTFF (Time to first fix) - Hot Start
Horizontal Accuracy

VHF FOLDED DIPOLE ANTENNA

GAIN IN dBi	FREQ. IN MHz.	VSWR @RES.	POWER IN WATT	IMP IN OHM	WIND LOAD @45MS (N)	BANDWIDTH @ 1.5.1	WEIGHT IN KG	TERMINATION	TOTAL LENGTH IN Met.	BOOM LENGTH IN mm
UNITY	146 - 174	<1.5:1	500	50	75	28MHz	2.2	N MALE	840	840

Initials:

VHF BUDGET FOLDED DIPOLES										
GAIN IN dBi	FREQ. IN MHz.	VSWR@RES.	POWER IN WATT	IMP IN OHM	BAND WIDTH @ 1.5.1	WEIGHT IN KG	CABLE TYPE & LENGTH	TERMINATION	PACKED LENGTH IN mm	PACKED WIDTH IN mm
UNITY	140 - 150	<1.5:1	100	50	10MHz	0.65	5Met X RG-58	PL-259UHF MALE	950	150
UNITY	150 - 160	<1.5:1	100	50	10MHz	0.6	2Met X RG-58	NO CONNECTOR	950	150
UNITY	160 - 170	<1.5:1	100	50	10MHz	0.58	2Met X RG-58	NO CONNECTOR	950	150

UHF FOLDED DIPOLE										
GAIN IN dBi	FREQ. IN MHz.	VSWR@RES.	POWER IN WATT	IMP IN OHM	WIND LOAD @45MS (N)	BAND WIDTH @ 1.5.1	WEIGHT IN KG	TERMINATION	TOTAL LENGTH IN Met.	BOOM LENGTH IN mm
UNITY	390-500	<1.5:1	500	50	45	110MHz	1.8	N MALE	700	500

MIDBAND FOLDED DIPOLE REPEATER ANTENNA										
Gain in dBi	Freq. in MHz	VCWR @ Res.	Power in Watt	Imp. In OHM	Wind Load @ 45MS (N)	Band Width @ 1.5.1	Weight in Kg	Termination	Total Length in Met.	Boom Length In mm
Unity	66-88	<1.5:1	500	50	200	20MHz	3	N Male	1800	1250

UHF BUDGET FOLDED DIPOLE (HD)		
FREQUENCY RANGE	:	350 - 500 MHz.
AVARAGE GAIN	:	UNITY
GAIN ON SUPPORT POLE	:	2 dBd
VSWR	:	<1.5:1
POLARIZATION	:	VERTICAL
H PLANE 3dB BEAM WIDTH	:	180 DEGREES
E PLANE 3dB BEAM WIDTH	:	66 DEGREES
POWER HANDLING	:	150 WATTS
IMPEDANCE	:	50 Ohms
TERMINATION	:	N-TYPE FEMALE
GROUNDING	:	DC GROUNDED
MAXIMUM WIND VELOCITY	:	200 Km/h
WIND LOADING AT 140Km PER HOUR	:	2KG
DIMENSIONS	:	200 X 300mm
WEIGHT	:	0.6 Kg
MOUNTING HARDWARE	:	1 X 'V' BOLT TO FIT 25-50mm PIPE

Initials:

2 STACK VHF REPEATER ANTENNA										
Gain in dBi Omni Or Directional	Freq. in MHz	VCWR @ Res.	Power in Watt	Imp. In OHM	Wind Load @ 45MS (N)	Band Width @ 1.5.1	Spacing Between Dipoles	Termination	Total Length in Met.	Boom Length In mm
3 or 6	146-174	<1.5:1	500	50	150	28MHz	1333	N Male	3	448

2 STACK UHF REPEATER ANTENNA										
Gain in dBi Omni Or Directional	Freq. in MHz	VCWR @ Res.	Power in Watt	Imp. In OHM	Wind Load @ 45MS (N)	Band Width @ 1.5.1	Spacing Between Dipoles	Termination	Total Length in Met.	Boom Length In mm
3 or 6	390-470	<1.5:1	500	50	90	80MHz	455	N Male	1.5	310

2 STACK MIDBAND REPEATER ANTENNA										
Gain in dBi Omni Or Directional	Freq. in MHz	VCWR @ Res.	Power in Watt	Imp. In OHM	Wind Load @ 45MS (N)	Band Width @ 1.5.1	Spacing Between Dipoles	Termination	Total Length in Met.	Boom Length In mm
3 or 6	66-88	<1.5:1	500	50	440	22MHz	3000	N Male	5	1000

50 OHM, 6MM CABLE, STRANDED CORE

RF Specification		
Max. Frequency	=	1GHz
Velocity Factor	=	66%
Maximum Operating Voltage (RMS)	=	1900 Volts
Peak Power	=	1.5kV RMS (at sea level)
Impendence	=	50Ω (+/-2)
Inner Conductor Specifications		
Inner Conductor Makeup	=	19 Tin Plated Copper Strands x 0.18mm Each
Inner Conductor Overall Diameter	=	0.94mm Overall Diameter
Inner Conductor DC-Resistance (Ω/km)	=	39Ω
Outer Conductor Specifications		
Outer Conductor (braid) Makeup	=	14 Bundles x 8 Copper Strands = 112 Strands
Outer Conductor (braid) Makeup	=	112 Tin Plated Copper Strands x 0.12mm Each
Outer Conductor (braid) Diameter	=	3.55mm
Outer Conductor (braid) Coverage	=	96%

MIDVAAL LOCAL MUNICIPALITY

Outer Conductor (braid) DC-Resistance (Ω/km)	=	15Ω
Insulator Specifications		
Insulator Dielectric Specifications	=	White Solid Polyethylene x 2.9mm
Outer Jacket Specifications		
Outer Jacket (sleeving) Diameter	=	0.92 Wall x 4.95mm Outer Diameter
Outer Jacker (Sleeving) Specification	=	Blabk Polyvinyl Chloride (PVC)
Outer Jacket (sleeving) UV Specification	=	UV Resistant
Outer Jacket (Sleeving) Marking	=	RG58C/U MIL-C-17F 50Ω
Technical Specifications		
Capacitance	=	101.05pF/m
Inductance	=	0.253uH/m
Mechanical Specifications		
Operating Temperature	=	-40 to +75 Centigrade
Minimum Bend Radius Installed	=	12.7mm
Minimum Bend Radius Repeated	=	30mm
Tensile Strength	=	10.5N/mm²
Cable Weight	=	0.37g/m (3.7kg/100m)

Attenuation		
Freq.	dB/100m	Avr. Power
		kW
0.5MHz	0.850	0.855
1MHz	1.080	0.725
1.5MHz	1.350	0.680
10MHz	4.700	0.520
30MHz	7.600	0.480
50MHz	10.900	0.470
100MHz	15.600	0.332
200MHz	23.000	0.235
400MHz	34.000	0.166
600MHz	42.800	0.136
800MHz	50.000	0.117
900MHz	57.000	0.111
1000MHz	61.000	0.105
Attenuation @ 20 Degree Centigrade		
Av. Power @ 40 Degree Centigrade		

MUNICIPALITY

Initials:

50 OHM, 9MM CABLE, STRANDED CORE

RF Specification		
Max. Frequency	=	1GHz
Velocity Factor	=	66%
Maximum Operating Voltage (RMS)	=	5000 Volts
Peak Power	=	5kV RMS (at sea level)
Impendence	=	50Ω (+/-2)
Inner Conductor Specifications		
Inner Conductor Makeup	=	7 Solid Copper Strands x 0.74mm Each
Inner Conductor Overall Diameter	=	2.25mm Overall Diameter
Inner Conductor DC-Resistance (Ω/km)	=	5.8Ω
Outer Conductor Specifications		
Outer Conductor (braid) Makeup	=	24 Bundles x 8 Copper Strands = 192 Strands
Outer Conductor (braid) Makeup	=	192 Tin Plated Copper Strands x 0.16mm Each
Outer Conductor (braid) Diameter	=	8.17mm
Outer Conductor (braid) Coverage	=	96%
Outer Conductor (braid) DC-Resistance (Ω/km)	=	4.1Ω
Insulator Specifications		
Insulator Dielectric Specifications	=	White Solid Polyethylene x 7.24mm
Outer Jacket Specifications		
Outer Jacket (sleeving) Diameter	=	1.01 Wall x 10,23mm Outer Diameter
Outer Jacker (Sleeving) Specification	=	Black Polyvinyl Chloride (PVC)
Outer Jacket (sleeving) UV Specification	=	UV Resistant
Outer Jacket (Sleeving) Marking	=	RG213/U MIL-C-17F 50Ω

Technical Specifications		
Capacitance	=	101.05pF/m
Inductance	=	0.253uH/m
Mechanical Specifications		
Operating Temperature	=	-40 to +75 Centigrade
Minimum Bend Radius Installed	=	35mm
Minimum Bend Radius Repeated	=	75mm
Tensile Strength	=	12.5N/mm²
Cable Weight	=	14.88g/m (14.88kg/100m)

Attenuation

Initials:

Freq.	dB/100m	Avr. Power
		kW
0.5MHz	0.275	19.00
1MHz	0.375	13.00
1.5MHz	0.480	10.00
10MHz	1.885	3.70
30MHz	3.635	3.30
50MHz	4.820	2.00
100MHz	7.000	1.00
200MHz	10.250	0.67
400MHz	14.750	0.43
600MHz	18.550	0.35
800MHz	22.485	0.27
900MHz	23.550	0.25
1000MHz	27.300	0.23
Attenuation @ 20 Degree Centigrade		
Av. Power @ 40 Degree Centigrade		

50 OHM, 9MM CABLE, SOLID CORE

Specification		
Max. Frequency	=	16.2GHz
Velocity Factor	=	85%
Voltage Withstand	=	2500 VDC
Peak Power	=	16kW
DC Resistance (Inner Conductor)	=	4.3 Ohm/km
DC Resistance (Outer Conductor)	=	5.95 Ohm/km
Jacket Spark	=	4000 VRMS
Impendence	=	50Ω
Capacitance	=	78.40pF/m
Inductance	=	0.2uH/m
Shielding Effectiveness	=	Better Than 90dB
Operating Temperature	=	-40 - +85 Deg Centigrade
Minimum Bend Radius Installed	=	25.4mm
Tensile Strength	=	72.6kg
Cable Weight	=	0.103kf/m
Inner Conductor	=	Solid Copper
Dielectric	=	Foam Polyethylene
Outer Conductor	=	Aluminum Tape
Overall Braid	=	Tinned Copper
Outer Jacket	=	Polyethylene

MIDVAAL LOCAL MUNICIPALITY

Inner Conductor Size	=	2.74mm
Dielectric Size	=	7.24mm
Outer Conductor Size	=	7.39
Overall Braid Size	=	8.13mm
Outer Jacket Size	=	10.29mm

Attenuation			
Freq.	dB/100ft.	dB/100m	Avr. Power
			kW
30MHz	0.7	2.2	3.3
50MHz	0.9	2.9	2.57
150MHz	1.5	5	1.47
220MHz	1.9	6.1	1.2
450MHz	2.7	8.9	0.83
800MHz	3.7	12	0.61
900MHz	3.9	12.8	0.58
1.5GHz	5.2	16.8	0.44
1.8GHz	5.7	8.6	0.4
2.0GHz	6	19.6	0.37
2.2GHz	6.3	20.7	0.36
2.4GHz	6.614	21.703	0.34
2.5GHz	6.8	22.2	0.33
3.5GHz	8.1	26.7	0.27
5.8GHz	10.8	35.5	0.21

50 OHM, 6MM CABLE, SOLID CORE

Specification		
Max. Frequency	=	8GHz
Velocity Factor	=	80%
Voltage Withstand	=	1000 Volts DC
Peak Power	=	2.5 kW
DC Resistance (Inner Conductor)	=	24.9 Ohms/km
DC Resistance (Outer Conductor)	=	16.1 Ohms/km
Jacket Spark	=	3000 Volts RMS
Impendence	=	50Ω
Capacitance	=	83.3pF/m
Inductance	=	0.21uH/m
Shielding Effectiveness	=	>90 dB
Operating Temperature	=	-40 - +85 Centigrade
Minimum Bend Radius Installed	=	12.7mm
Minimum Bend Radius Repeated	=	50.8mm

Initials:

Tensile Strength	=	18.2kg
Cable Weight	=	0.0389g/m
Inner Conductor	=	Solid Copper
Dielectric	=	Foam Polyethylene
Outer Conductor	=	Aluminium Tape
Overall Braid	=	Tinned Copper
Outer Jacket	=	UV Resistant Polyethylene
Inner Conductor Size	=	0.94mm
Dielectric Size	=	2.79mm
Outer Conductor Size	=	2.95mm
Overall Braid Size	=	3.53mm
Outer Jacket Size	=	4.95mm

Attenuation			
Freq.	dB/100ft.	dB/100m	Avr. Power
			kW
30MHz	0.7	2.2	3.3
50MHz	0.9	2.9	2.57
150MHz	1.5	5	1.47
220MHz	1.9	6.1	1.2
450MHz	2.7	8.9	0.83
800Mhz	3.7	12	0.61
900MHz	3.9	12.8	0.58
1.5GHz	5.2	16.8	0.44
1.8GHz	5.7	18.6	0.4
2.0GHz	6	19.6	0.37
2.2GHz	6.3	20.7	0.36
2.4GHz	6.614	21.703	0.34
2.5GHz	6.8	22.2	0.33
3.5GHz	8.1	26.7	0.27
5.8GHz	10.8	35.5	0.21

MDVAA LOCAL MUNICIPALITY

Initials:

BARE COPPER EARTH CABLE

Description
Single Core stranded, annealed copper conductor

Specification : SANS 1411				
Cable Size	Nominal Stranding No. x Diameter	Approx. Overall Diameter	Current Rating Note1	Volt Drop Note1
6.0	7 x 1.04	3.1	47	7.30

Illumination Cable (Flexible Wiring)

Cable Description
High conductivity stranded plain copper conductors. Insulated and sheathed with general purpose flexible grade PVC in a flat parallel configuration.

Specification	SANS 1507 AFAA
Temperature Range	-10°C to 70°C
Voltage Rating	300 / 500 V
Sheath Colour	Black or Red
Core Identification	Black and Red

Technical Data						
Cable size	Number of Cores	Approx. Overall Diameter	Current Rating	Conductor Resistance @ 20°C	1f Volt Drop	Approx. Cable Mass per 100m Coil
(mm^2)		(mm)	(A)	(W/km)	(mV /A/m)	(kg)
2.5	2	7.98	25	15	10,2x5,6	12

Initials:

ANTENNA CABLE FOR VEHICLE RADIOS

Cable Length	Adaptor Type	Magnet Diameter	Mounting Hole size	Fit up to Plate	Adjustment
5 Meters RG58U	Swivel Type	80mm	N/A	Any size	180 Deg.

MOBILE RADIO MOUNTING BRACKETS

Option 1

Universal Mount
Fits all Types
Bolt on **OR** Slide in

Option 2

Initials:

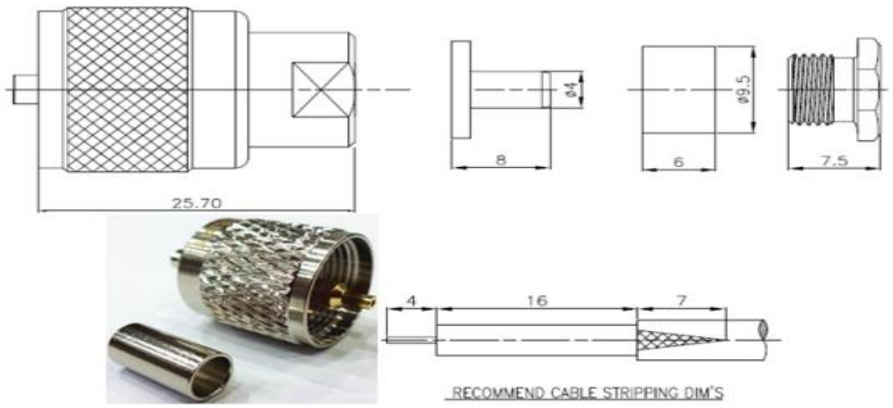
Midland 1336
168mm to 185mm

MICROPHONE BRACKET

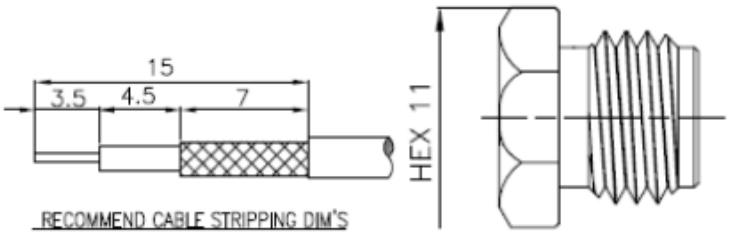
High Quality Steel

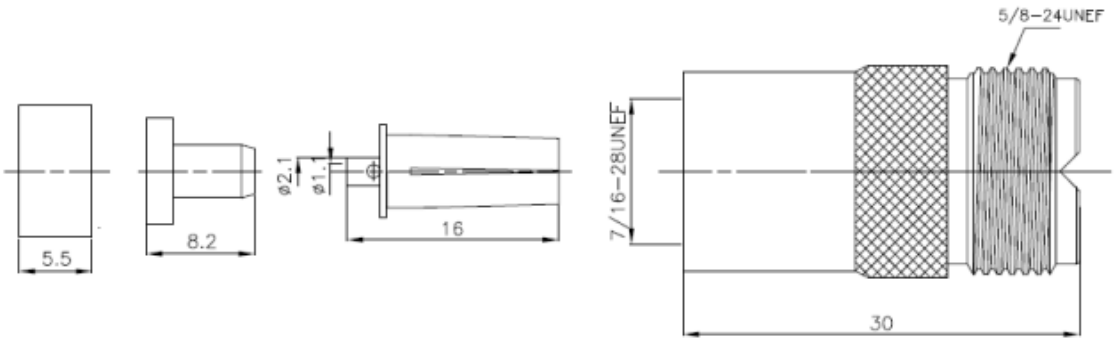
COAXIAL CONNECTORS		
UHF Male Crimp For RG58		
Description	Material	Finish
Clamp	Brass	Nickle Plated
Rubber	Silicone	Red
Nut	Brass	Nickel Plater
Contact Pin	Brass	Gold Plated
Insulator	POM	White
Body	Brass	Nickle Plated
Shell	Brass	Nickle Plated

Initials:



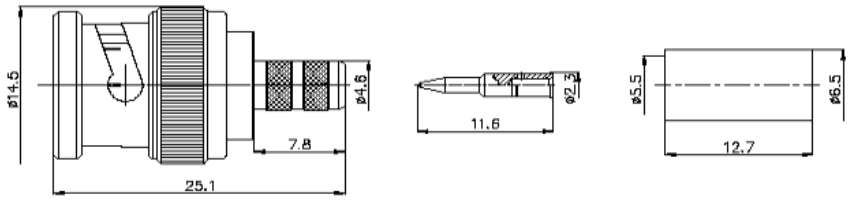
COAXIAL CONNECTORS		
PL258 Crimp For RG58		
Description	Material	Finish
Ferrule	Brass	Nickle Plated
Contact Pin	Brass	Gold Plated
Insulator	Derlin	Natural
Body	Brass	Nickle Plated

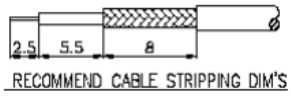




Initials:

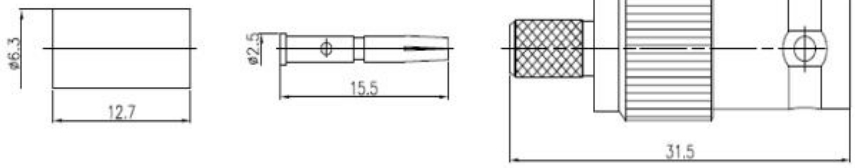
COAXIAL CONNECTORS		
BNC Male Crimp For RG58		
Description	Material	Finish
Metal Parts	Brass	Nickle Plated
Shell	Brass	Nickle Plated
Washer 1	SK5	Da
Washer 2	Brass	Nickle Plated
Connector Pin	Brass	Gold Plated
Insulator	Teflon	Natural
Gasket	Rubber	Red
Ferrule	Brass	Nickle Plated
Retaining Ring	SPCC	Nickle Plated

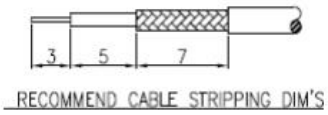




COAXIAL CONNECTORS		
BNC Female Crimp For RG58		
Description	Material	Finish
Ferrule	Brass	Nickle Plated
Contact Pin	Brass	Gold Plated
Washer	Brass	Nickle Plated
Insulator	POM	Natural
Body	Brass	Nickle Plated

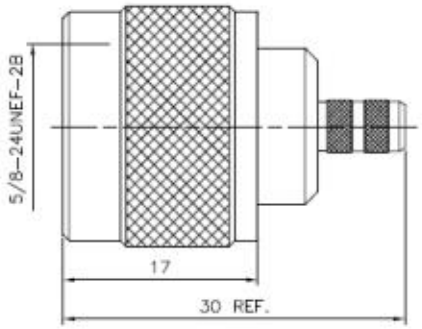
Initials:

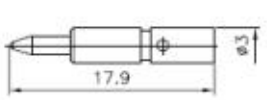


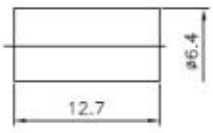


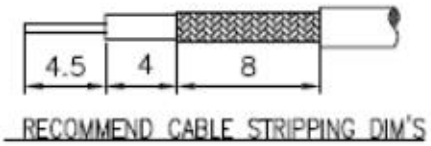
COAXIAL CONNECTORS		
N Male Crimp For RG58/LMR195		
Description	Material	Finish
Metal Parts	Brass	Nickle Plated
Shell	Brass	Nickle Plated
Washer	Brass	Nickle Plated
Connector Pin	Brass	Gold Plated
Insulator	Teflon	Natural
Gasket	Rubber	Natural
Ferrule	Brass	Nickle Plated
Crimp	Brass	Nickle Plated

MIDVAAL
LOCAL MUNICIPALITY

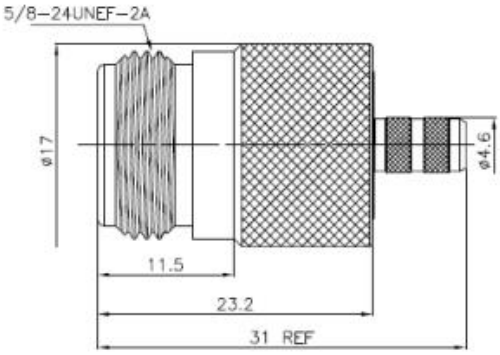


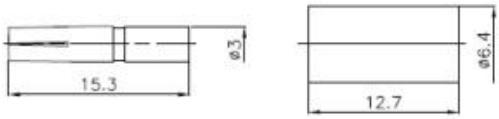


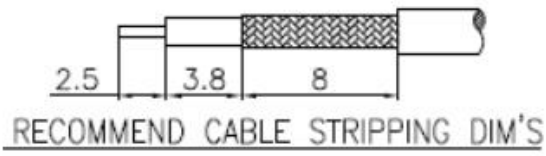




COAXIAL CONNECTORS		
N Female Crimp For RG58		
Description	Material	Finish
Ferrule	Brass	Nickle Plated
Contact Pin	Phosphor Bronze	Gold Plated
Crimp	Brass	Nickle Plated
Insulator	Teflon	Natural
Body	Brass	Nickle Plated







DC 24V - 12V VOLTAGE CONVERTER
Bridge Rectified

Initials:

Specifications	
Input Voltage	Dc 24V - 35V DC
Output Voltage	DC 13.8V DC
Output Current	15A
	80 - 20% Duty Cycle
Features	
Over Current	Common
Over Voltage	Protection
Reverse Polarity	Protection
In-Line Fuse	15A Blade Fuse Protection
Input/Output Lead Wire	30cm Green Input - Red/Black Output
Size	170 x 35 x 135mm

COMPACT 24V - 12V VOLTAGE CONVERTER

Specifications	
Input Voltage	Dc 18V - 35V DC
Output Voltage	DC 13.8V ± 0.25V
Output Current	8.3A
Features	
Over Current - Duty Cycle	10 - 10 - 80%
Size	63 x 58 x 21mm

Important Notice

This Unit is non-Isolated and a separate earthing wire needs to be connected from the Unit to the Vehicle

Initials:

BOOT, GUTTER & FENDER ANTENNA MOUNT BRACKET

Ideal for use with Mobile Antennas
Supplied with
- Allen Key
- Protection Strips
- Rubber grommets for contact areas

Solid Installation
Fits Boot and Bonnet

Specifications	
Stainless steel grade	304
Hole Diameter	20.5mm
Allen screws	4 x 4 x 10mm
Grommets	Silicone Rubber

EXTERNAL SPEAKER

Specifications	
Rectangular	Code: LSP-102
5W 8 Ohm	65 x 110 x 55mm

Initials:

BASE STATION POWER SUPPLY

13,8Volt DC Base Station Power Supply
Designed for Two Way Radio Base Station
NRCS Certificate
SABS IEC 60950 Approved

Specification	
Input Voltage	220V - 240V AC
Output Voltage	DC 13,8V
Output Current	10 - 12A
Continuous Rating	5A
Operating Temperature	-10 to -60°C
Ripple + Noise	< 80 mV P-P

Features	
Internal Battery back-up facility	7 Ah (no battery included)
Short Circuit	Protection (with automatic reset function)
Input Power	Fuse Protected
Voltage Regulation	Fully Regulated
Over Voltage	Protection on output
Battery low State	Voltage cut out avoids damage to battery
Thermal Cut out	Self-Restoring
Two sets of output terminals	13,8V DC For Load
Illuminated on/off switch	Indicate mains on
Fail light	Indicate mains failed and battery has discharged to ± 10,5V
Compact Size	240 x 115mm x 170mm
Transformer Type	Toroidal

DUAL METER BASE STATION POWER SUPPLY

13,8Volt DC Base Station Power Supply
Variable DC Output 10 - 15V
AMP & Volt Meter (Analogue)
NRCS Certificate
SABS IEC 60 950 Approved

MINDHAL LOCAL MUNICIPALITY

Initials:

Specification	
Input Voltage	220V - 240V AC
Output Voltage	11 - 15V DC 13,8V DC Default
Output Current	10 - 12A
Continuous Rating	6A
Operating Temperature	-10 to +60°C
Ripple + Noise	< 80 mV P-P

Features	
Internal Battery back-up facility	7 Ah (no battery included)
Short Circuit	Protection (with automatic reset function)
Input Power	Fuse Protected
Voltage Regulation	Fully Regulated
Over Voltage	Protection on output
Power LED	Indicates Mains Power on
Battery low LED	Battery ± 10,5DC
Battery Discharge	Protected against deep discharge & Battery Damage
Thermal Cut out	Self-Restoring
Two sets of output terminals	1 Set for Load
	1 Set for: Connect to External Battery (Connect internal leads)
	Or use to connect an optional internal Speaker
On/off Switch	UPS style double pole switch
Compact Size	235 x 110mm x 170mm (WxHxL)
Transformer Type	Toroidal

7AH 12V LEAD ACID BATTERY		
Specification		
Nominal Voltage		12V
Rated Capacity		7Ah
Dimensions	Total Height	3,98 inches (101mm)
	Height	3,74 inches (95mm)
	Length	5,94 inches ((151mm)
	Width	2,56 inches (65mm)
Approximate Weight		4,52 lbs. (2,05kg)

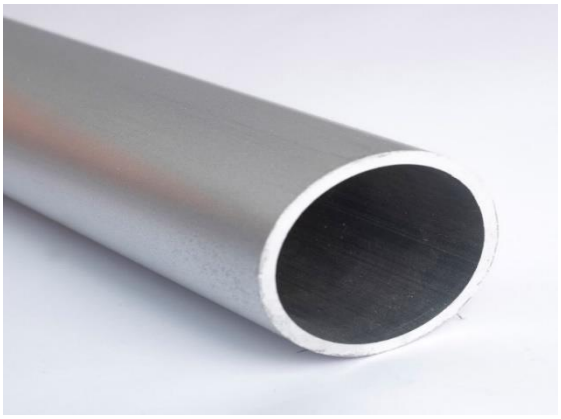
Initials:

Characteristic		
Capacity 25°C	20h rate	7,00Ah
	10h rate	6,50Ah
	5h rate	5,95Ah
	1h rate	4,20Ah
	15min rate	3,15Ah
Internal Resistance	Full Charged Battery 25°C	25m Ω
Capacity Affected by Temperature (20h rate)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-Discharge 20°C (Capacity after)	3 Month Storage	90%
	6 Month Stage	80%
	12 Month Stage	60%
Max. Discharge Current (25°C)	105A (5s)	
Terminal	T1, T2	
Charge (Constant Voltage 25°C)	Cycle	14,5-14,9V (-24mV/ °C) Max.Current: 2,1A
	Float	13,6-13,8V (-18mV/ °C)

Constant Current Discharge Characteristics (A,25°C)									
F.V/Time	5min	10min	15min	30min	60min	3h	5h	10h	20h
9,06V	27	18	14	8.4	4.7	1.73	1.15	0.71	0.37
10,2V	25.7	17.1	13.4	8.06	4.55	1.7	1.13	0.7	0.36
10,5V	24.2	16.1	12.7	7.66	4.35	1.65	1.1	0.68	0.35

Constant Current Discharge Characteristics (Watt,25°C)									
F.V/Time	5min	10min	15min	30min	60min	3h	5h	10h	20h
9,06V	301	203	160	94.2	54.4	20.6	13.8	8.52	4.43
10,2V	287	191	153	90.4	52.7	20.2	13.6	8.4	4.33
10,5V	270	180	145	86	50.4	19.6	13.2	8.17	4.21

ALUMINIUM POLE 6M X 50MM X 3MM

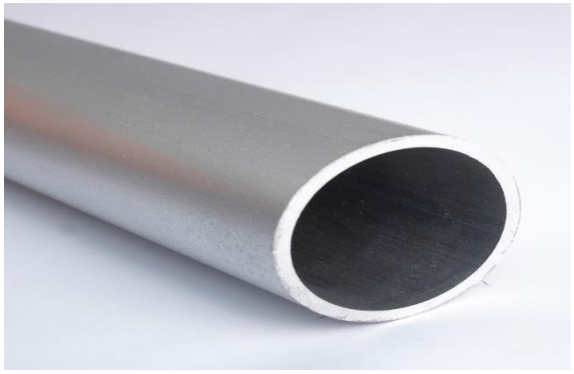


MDVAL LOCAL MUNICIPALITY

Initials:

Normal Strength

ALUMINIUM POLE 3M X 50MM X 3MM

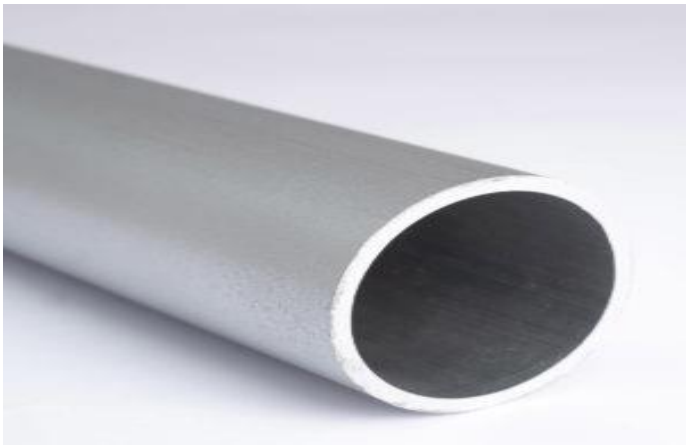


Normal Strength

ALUMINIUM POLE 3M X 50MM X 5MM

Heavy Duty Strength

ALUMINIUM POLE 6M X 50MM X 5MM



Heavy Duty Strength

Initials:

ANTENNA TV BRACKET

Dimensions: 530 x 350 x 250mm
Weight: 1.65kg

Weight: 1.65kg

250MM SQUARE WALL MOUNT BRACKET

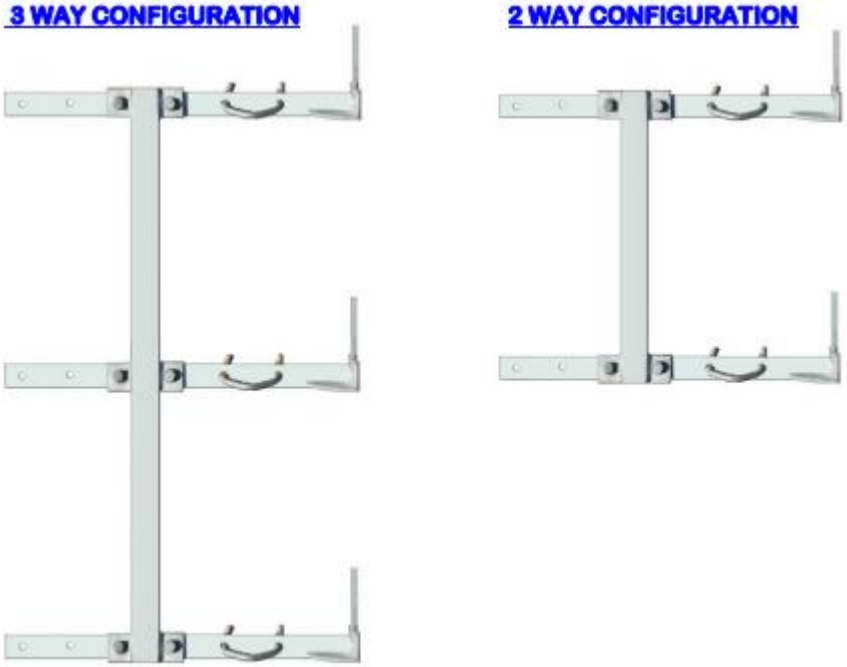
Description
500mm Offset Square Bracket Provides a more Robust approach to your mast installation
Made with hot dipped galvanized steel for better durability
*U-Bolts & Coach Screws Sold Separately

Initials:

500MM SQUARE WALL MOUNT BRACKET

Description
500mm Offset Square Bracket Provides a more Robust approach to your mast installation
Made with hot dipped galvanized steel for better durability
*U-Bolts & Coach Screws Sold Separately

UNIVERSAL WALL MOUNT
Stand-Off Bracket - Standard

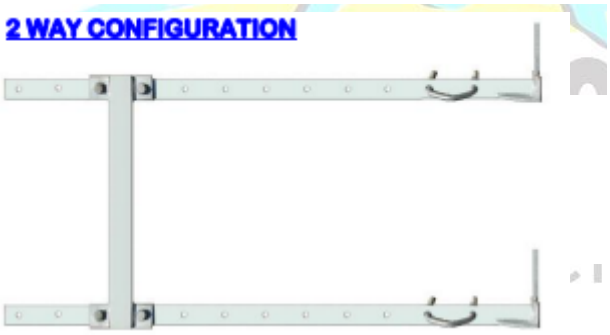


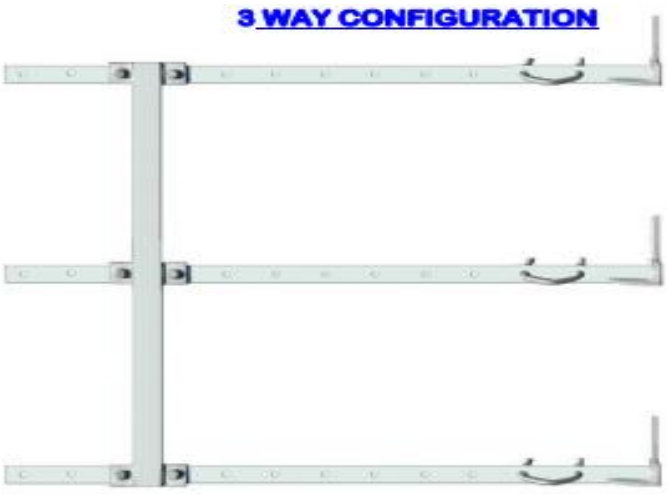
Initials:

Specification	
Length	610mm
Height	150mm
Width	150mm
Weight	1,5kg
Offset From Wall	165, 255, 345, 435, 525mm
Maximum Weight load Capacity	2Way @ 50kg & 3Way @ 80kg

Suggested Configurations	
Vertical Antennas	2 Way
2 Stack Dipole Arrays	2 Way
4 Stack Dipole Arrays	3 Way
8 Stack Dipole Arrays	2 x 2 Way
In high Wind Areas (2 Stack)	3 Way
In High Wind Areas (4 Stack)	2 x 2 Way

UNIVERSAL WALL MOUNT
Stand-Off Bracket – Large





Initials:

Specification	
Length	1150mm
Height	150mm
Width	150mm
Weight	2,5kg
Offset From Wall	165mm To 1met, In 90mm Steps
Maximum Weight load Capacity	2Way @ 40kg & 3Way @ 60kg
Suggested Configurations	
Vertical Antennas	2 Way
2 Stack Dipole Arrays	2 Way
4 Stack Dipole Arrays	3 Way
8 Stack Dipole Arrays	2 x 2 Way
In high Wind Areas (2 Stack)	3 Way
In High Wind Areas (4 Stack)	2 x 2 Way

PARALLEL CLAMPS

Code	Description	Pole (mast) Size in mm
PC3	PARALLEL CLAMP SMALL	30 to 50mm Diameter
PC7	PARALLEL CLAMP STANDARD	30 to 65mm Diameter
PC10	PARALLEL CLAMP LARGE	30 to 80mm Diameter
PC12	PARALLEL CLAMP EXTRA LARGE	30 to 100mm Diameter

This range of parallel clamps is made of the best quality of steel to ensure resistance to deformation of the brackets under stress od high wind load conditions and is against rust, especially in coastal areas.

Initials:

STAINLESS STEEL BANDING

Features:
Stainless steel 201 and 304 offer good resistance to oxidation and many moderate corrosive agents;
Utilized in general use banding applications, such as cables, hoses, signs building;
Can be used with clip style buckles to create band clamps
Packaged in a standard box or a durable plastic tote for easy dispensing.

Stainless Steel Banding Specifications:			
Width		Thickness	
Inch	mm	Inch	mm
3/8"	9.5	0.015	0.40
3/8"	10.0	0.015	0.40

SOLID COPPER ROD

These solid copper earth rods offer greater resistance to corrosion. They are ideally used in applications where soil conditions are very aggressive, such as soils with high salt content.

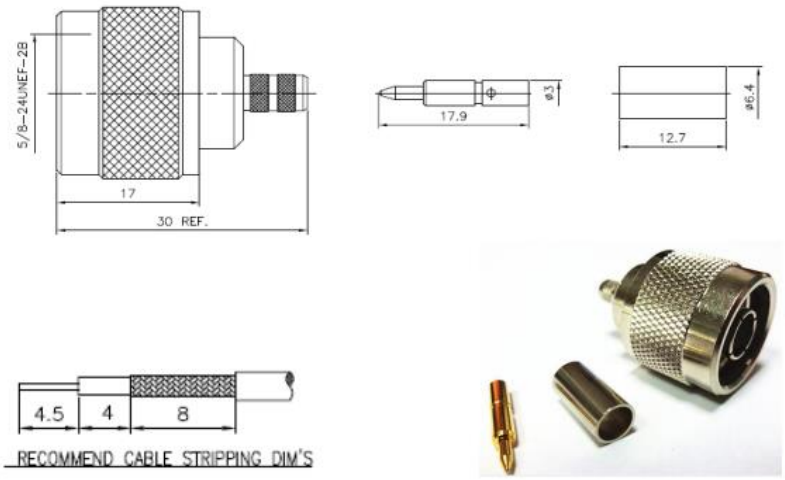
Diameter	Length	Weight Each	Part No.
15mm	1200mm	1.88kg	RC010
20mm	1200mm	3.34kg	RC015
Fittings			

Type	Weight Each	Part No.
15mm Driving Stud	0.02kg	ST010
20mm Driving Stud	0.05kg	ST015
Coupling Dowel for both sizes of above rods	0.02kg	CG013
15mm Spike	0.02kg	SP010
20mm Spike	0.04kg	SP015

Initials:

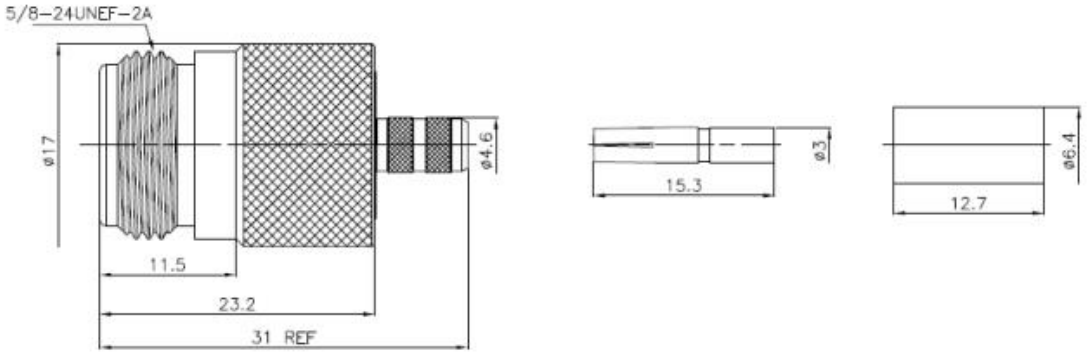
Copper Rod Kit			
Diameter	Length	Weight Each	Part No.
15mm	8ft	3.82kg	RC010-KIT
20mm	8ft	6.79kg	RC015-Kit

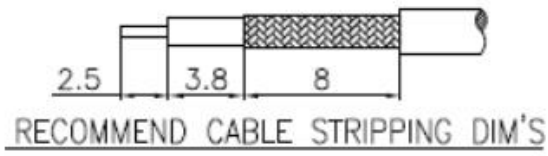
COAXIAL CONNECTORS		
N Male Crimp For RG58/LMR195		
Description	Material	Finish
Metal Parts	Brass	Nickle Plated
Shell	Brass	Nickle Plated
Washer	Brass	Nickle Plated
Connector Pin	Brass	Gold Plated
Insulator	Teflon	Natural
Gasket	Rubber	Natural
Ferrule	Brass	Nickle Plated
Crimp	Brass	Nickle Plated



Coaxial Connectors		
N FEMALE CRIMP FOR LMR 195		
Description	Material	Finish
Ferrule	Brass	Nickle Plated
Contact Pin	Phosphor Bronze	Gold Plated
Crimp	Brass	Nickle Plated
Insulator	Teflon	Natural
Body	Brass	Nickle Plated

Initials:

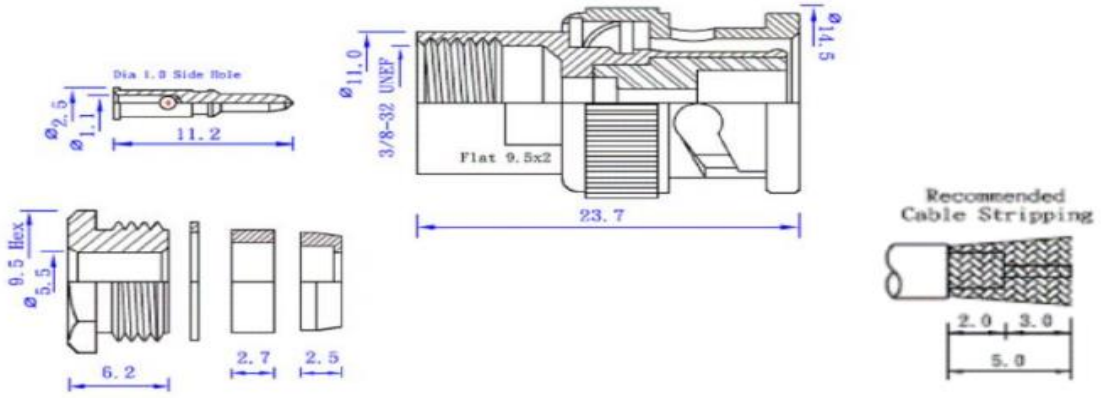




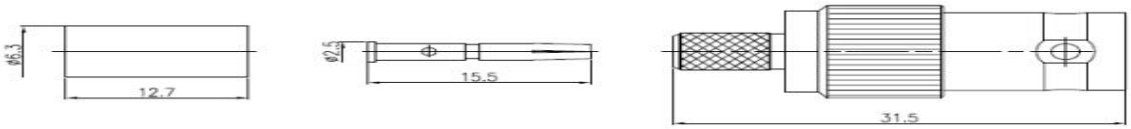
Coaxial Connectors
BNC MALE CRIMP FOR LMR 195

Description	Material	Finish
Braid Clamp	Brass	Nickle Plated
Gasket	PVC	Red
Shell	Brass	Nickle Plated
Nut	Brass	Nickle Plated
Insulator	Derlin	White
Contact	Brass	Gold Plated
Body	Brass	Nickle Plated

Initials:



Coaxial Connectors		
BNC FEMALE CRIMP FOR LMR195		
Description	Material	Finish
Ferrule	Brass	Nickle Plated
Contact Pin	Brass	Gold Plated
Washer	Brass	Nickle Plated
Insulator	POM	Natural
Body	Brass	Nickle Plated



Coaxial Connectors	
PL259 CRIMP FOR LMR195	
Description	
Connector	Male Plug
Impendence	50 Ohms
Frequency	Upto 1.5GHz
VSWR	1.35 max
Connector Body	Brass
Finish	Nickle Plated
Mica-filled phenolic insulators	-55°C to +149°C
Weight	0.001kg
Dimensions	1 x 1 x 1 cm

Initials:

Coaxial Connectors
PL258 CRIMP FOR LMR195

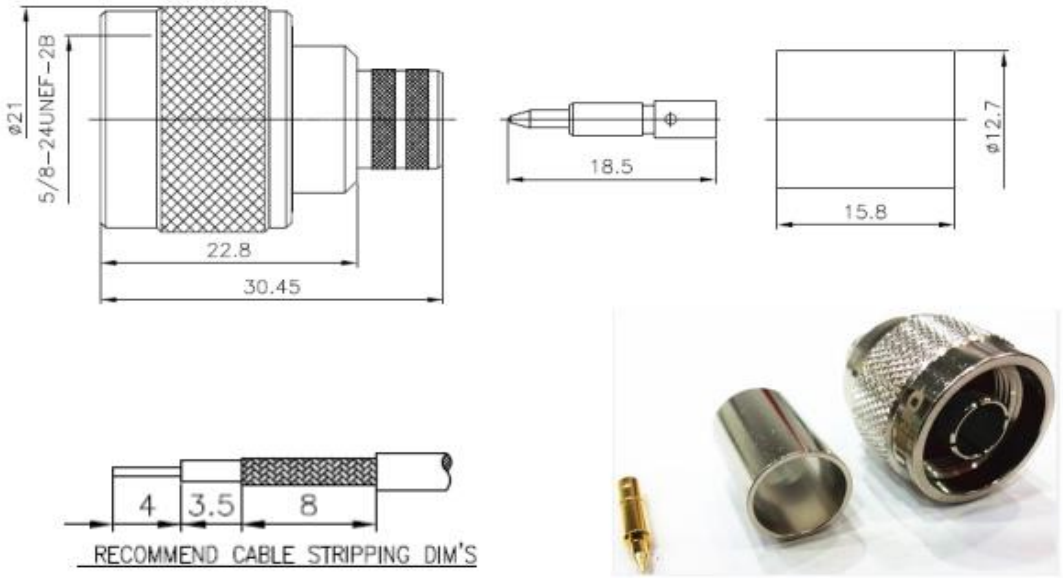
Features
Designed for low frequency systems from 0.6 - 300MHz
Threaded coupling mechanism is easy for assembly with high durability

Description	
Impendence	Non-consistent
Frequency Range	0 - 300MHz
Voltage Rating	Upto 1.5GHz
Coupling	5/8 - 24 Threaded coupling
Cable Affixment	Braid Solder, set screw, clamp and crimp
Durability (mating)	≥ 500 Cycles (For Beryllium Copper Contact
Mica-filled phenolic insulators	-55°C to +149°C
Copolymer of styrene and polystyrene	-55°C to +85°C
TFE insulators	-65°C to +165°C

MIDVAAL LOCAL MUNICIPALITY

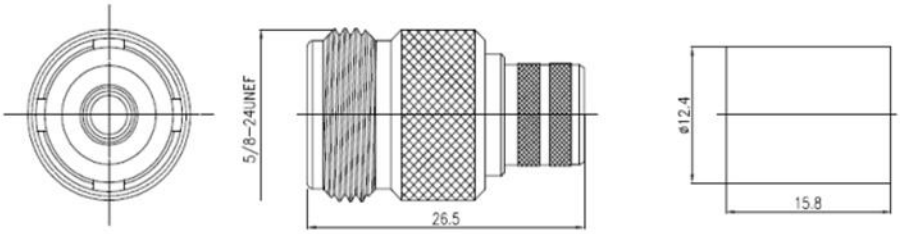
Initials:

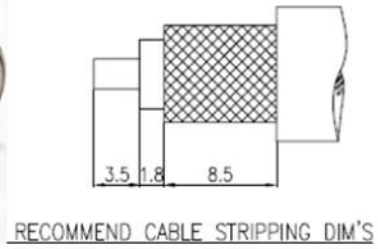
Coaxial Connectors		
N MALE CRIMP FOR RG213		
Description	Material	Finish
Ferrule	Brass	Nickle Plated
Contact Pin	Brass	Gold Plated
Washer	Brass	Nickle Plated
Gasket	Rubber	Natural
Insulator	Teflon	Natural
Body	Brass	Nickle Plated
Crimp	Brass	Nickle Plated
Shell	Brass	Nickle Plated



Coaxial Connectors		
N FEMALE CRIMP FOR RG213		
Description	Material	Finish
Ferrule	Brass	Nickle Plated
Contact Pin	Brass	Gold Plated
Insulator	POM	Natural
Body	Brass	Nickel

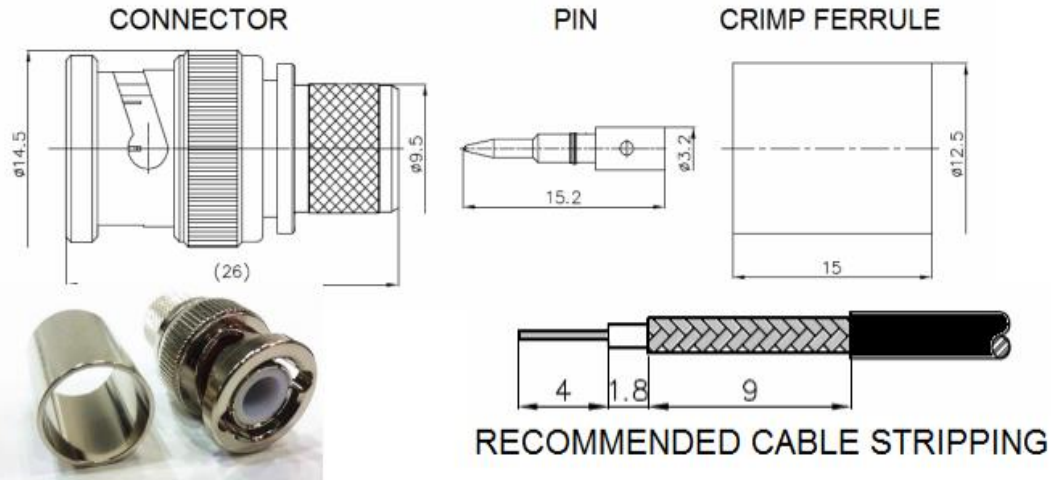
Initials:





Coaxial Connectors		
BNC Male Crimp For RG213		
Description	Material	Finish
Metal Parts	Brass	Nickle Plated
Connector Shell	Brass	Nickle Plated
Washer 1	Brass	Nickle Plated
Washer 2	SK5	N/A
Connector Pin	Brass	Gold Plated
Insulator	Teflon	N/A
Gasket	Rubber	Red
Ferrule	Brass	Nickle Plated
Retaining Ring	SPCC	Nickle Plated

MIDVAAL LOCAL MUNICIPALITY



Initials:

Coaxial Connectors
BNC FEMALE CRIMP FOR RG213

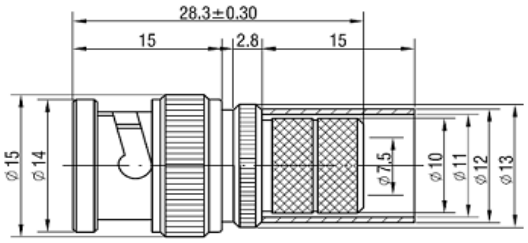
Materials & Plating

Description	Material	Finish
Shell	Brass	Nickle Plated
Conductor	Brass	Gold Plated
Insulator	PTFE	
Crimp Ferrule	Brass	Nickle Plated

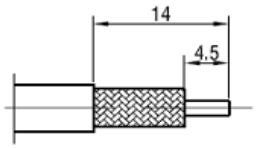
Electrical Characteristics	
Impendence	50 ohm
Frequency Range Max.	DC - 2GHz
Dielectric Withstanding Voltage	1500V (RMS)
Contact Resistance	Centre ≤ 1.5mΩ
	Outer ≤ 1mΩ
Insulation Resistance	≥5000mΩ

Mechanical Resistance	
Mating	Bayonet Lock
Durability	≥ 500 Cycles

Environmental Characteristics	
Temperature Range	- 55°C to +155°C



Assembly
Pin: 2.54 mm hex
Outer: 10.9 mm hex



MIDVAAL
NICIPALITY

Initials:

Coaxial Connectors		
BNC FEMALE CRIMP FOR LMR400		
Materials & Plating		
Description	Material	Finish
Shell	Brass	Nickle Plated
Conductor	Brass	Gold Plated
Insulator	PTFE	
Crimp Ferrule	Brass	Nickle Plated

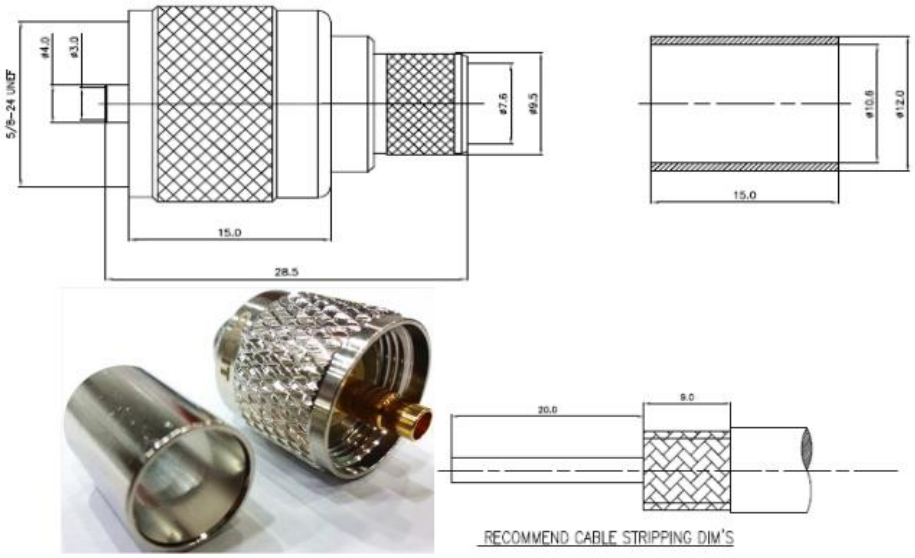
Electrical Characteristics	
Resistance	50 Ω
Frequency Range	DC - 4GHz
Working Voltage	500V RMS
Contact Resistance	Center ≤ 1.5mΩ
	Outer ≤ 1mΩ
Withstand Voltage	1500V RMS
Insulation Resistance	>5000mΩ
Insertion Loss	<0.2dB / 3GHz
VSWR	<1.22:1

Mechanical/ Environmental Specifications	
Durability	>500 Cycles
Body Material	Brass
Plating Material	Nickle
Pin/Socket Contact	Brass/Beryllium-Copper
Pin/Socket Plating	Gold
Crimp Ferrule Material	Copper-Alloy
Crimp Ferrule Plating	Nickle
Insulator	PTFE
Operating Temperature	-55°C to 155°C
CECC	22120
MIL - C	39012
IEC	60169-8

MIDVAAL LOCAL MUNICIPALITY

Initials:

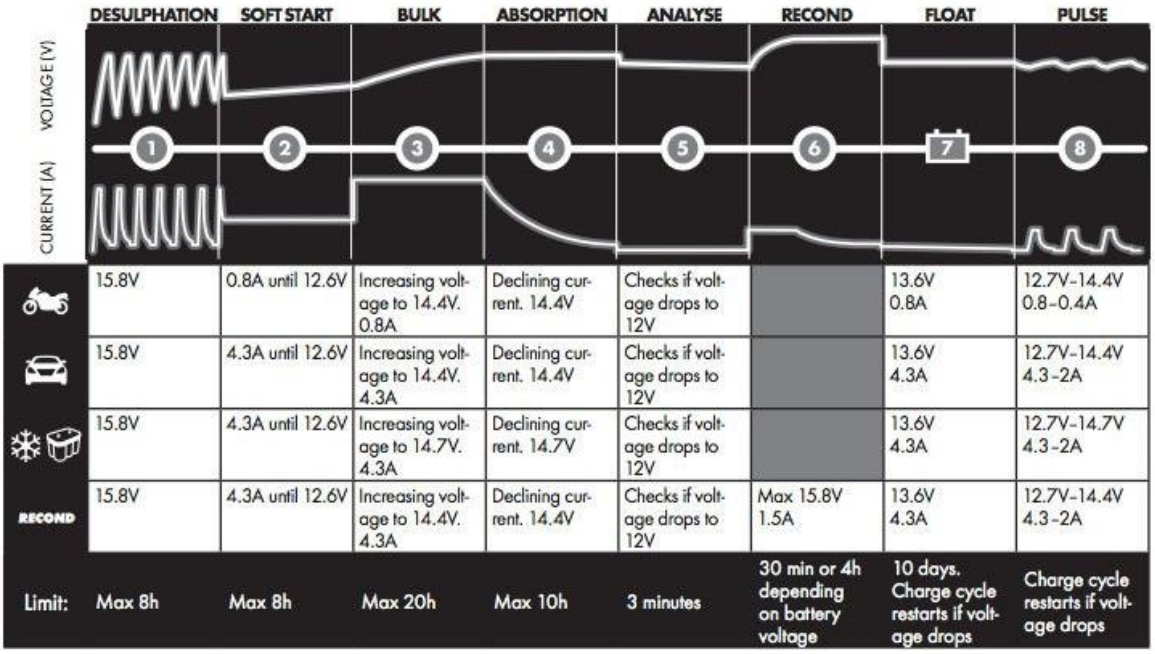
Coaxial Connectors		
PL259 9MM CRIMP FOR LMR400		
Description	Material	Finish
Ferrule	Brass	Nickle Plated
Shell	Brass	Nickle Plated
Insulator	Derlin	White
Contact Pin	Brass	Gold Plated
Body	Brass	Nickle Plated



Coaxial Connectors	
PL258 CRIMP FOR LMR 400	
Temperature Range	-40°C to +85°C
Vibration	100m/s2 (10-500Hz)
Impendence	None-Constant
Frequency Range	DC - 4Ghz
Working Voltage	750V Max
Break-down Voltage	2000V rms@sea
Contact Resistance	Center Contact ≤5mΩ
	Outer Contact ≤5mΩ
Average Power	3KW Max
Insulation Resistance	5000M OHM
VSWR	≤1.20
Durability (mating)	≥500 (cycles)

Initials:

Temperature Compensated, fully automatic charging, and maintenance in 8 steps maximizes battery life and performance
Numerous accessories simplify using the same charger for multiple batteries
Water-resistant so that the Solution could be taken to the problem even if it rains or shows
Power Supply that simplifies battery replacement without losing vehicle memory
Patented maintenance charge for a unique combination of maximized life and performance
Reconditioned of deep discharged batteries
Patented desulphation that extends the battery life
No Sparks, Short-circuit proof and reverse-polarity protected for untroubled usage
Automatic Detection of end-of-life batteries that eliminates surprises



	DESULPHATION	SOFT START	BULK	ABSORPTION	ANALYSE	RECOND	FLOAT	PULSE
	15.8V	0.8A until 12.6V	Increasing voltage to 14.4V. 0.8A	Declining current. 14.4V	Checks if voltage drops to 12V		13.6V 0.8A	12.7V-14.4V 0.8-0.4A
	15.8V	4.3A until 12.6V	Increasing voltage to 14.4V. 4.3A	Declining current. 14.4V	Checks if voltage drops to 12V		13.6V 4.3A	12.7V-14.4V 4.3-2A
	15.8V	4.3A until 12.6V	Increasing voltage to 14.7V. 4.3A	Declining current. 14.7V	Checks if voltage drops to 12V		13.6V 4.3A	12.7V-14.7V 4.3-2A
RECOND	15.8V	4.3A until 12.6V	Increasing voltage to 14.4V. 4.3A	Declining current. 14.4V	Checks if voltage drops to 12V	Max 15.8V 1.5A	13.6V 4.3A	12.7V-14.4V 4.3-2A
Limit:	Max 8h	Max 8h	Max 20h	Max 10h	3 minutes	30 min or 4h depending on battery voltage	10 days. Charge cycle restarts if voltage drops	Charge cycle restarts if voltage drops

MIDVAAL
LOCAL MUNICIPALITY

Initials:

12V 105ah Battery

Battery Type	Sealed Maintenance Free, Flooded Lead Calcium - Acid
Voltage	12V
Product Application	This Product is specifically designed for use in:
	-Standby Lighting
	-Computer Backup UPS
	-Inverters
	-Automotive

Product Specifications										
		Capacity Amp-Hour (AH)								
Type	Voltage	5 Hour rate	10 Hour rate	20 Hour Rate	Cold Cranking Ampere CCA/IEC /SAE	Reserve Capacity (Min)	Positive Terminal Type	Negative Terminal Type	Hold Down	Wet Weight (KG)
SMF 105 ST	12	86	92	105	720	230	+	-		28.5

Charging Instructions					
System Voltage	12	24	36	48	
Normal/Max Absorption (V)	15.2	30.4	45.6	60.8	
Float Voltage (V)	13.2	26.4	39.6	52.8	
Equalize Charge (V)	16.4	32.8	49.2	65.6	

Terminal C configuration
Standard Terminal
Terminal Height 17,3mm
Negative 17,6mm : Tapper 1/9
Positive 19,6mm : Tapper 1/9

Operational Data	
Operating Temperature	-20°C to +45°C
Self-Discharge	About 5% per month depending on storage temperature conditions

UHF DUPLEXER 40W		
Electrical Data	**DU 400/6**	
Frequency	380-470	MHz

MIDVAAL LOCAL MUNICIPALITY

Initials:

Frequency Spacing	5 to 10	MHz
Input Power	40	W
Insertion Loss	<-1.5/<-1.2	dB
Rx Isolation	>-65/>-80	dB
VSWR (max)	>-14/>-18	
Impendence	50	Ω
Termination	N Female	
Mechanical Data		
Temperature Range	-10 to +60	°C
Dimensions	L 250mm x W 158mm x H 33mm	m
Packed Weight	1	kg
Volume	L 310mm x W 190mm x H 45mm	cm

UHF DUPLEXER 100W		
Electrical Data	**DU 400/6**	
Frequency	380-470	MHz
Frequency Spacing	5 min	MHz
Input Power	100	W
Insertion Loss	≤-1.2 (max)	dB
Rx Isolation	80 (typ)	dB
VSWR (max)	1.3:1	
Impendance	50	Ω
Termination	N Female	
Mechanical Data		
Temperature Range	-30 to +60	°C
Dimensions	L 270mm x W 230mm x H 45mm	m
Packed Weight	2.1	kg
Volume	L 330mm x W 330mm x H 65mm	cm

VHF DUPLEXER 40W

Electrical Data	**DH138-6**	
Frequency	138-174	MHz
Frequency Spacing	4.5	MHz

Initials:

Continuous Input Power	40	W
Insertion Loss, Tx-Ant	1.2 (max)	dB
Rx Isolation @ Tx Freq.	80 (typ)	dB
VSWR (max)	1.3:1	
Impendance	50	Ω
Termination	BNC Female	
Mechanical Data		
Temperature Range	-10 to +60	°C
Dimensions	L 109mm x W 158mm x H 33mm	M
Packed Weight	0.6	Kg
Volume	L 240mm x W 180mm x H 45mm	Cm

VHF DUPLEXER 50W		
Electrical Data	**DPL150-6**	
Frequency	138-174 (adjustable)	MHz
Frequency Spacing	4 to 7 (adjustable)	MHz
Continuous Input Power	50	W
Insertion Loss, Tx-Ant	<1.2 (max)	dB
Rx Isolation @ Tx Freq.	>80 (typ)	dB
VSWR (max)	<1.3:1	
Impendence	50	Ω
Termination	N Female	
Mechanical Data		
Temperature Range	-10 to +60	°C
Dimensions	L 211mm x W 154mm x H 33mm	M
Packed Weight	0.98	Kg
Volume	L 240mm x W 180mm x H 45mm	Cm

VHF DUPLEXER 75W		
Electrical Data	**DHP150-6**	
Frequency	138-174	MHz
Frequency Spacing	3 (min)	MHz
Continuous Input Power	75	W
Insertion Loss, Tx-Ant	<1.2 (max)	dB

Initials:

Rx Isolation @ Tx Freq.	>80 (typ)	dB
VSWR (max)	<1.3:1	
Impendence	50	Ω
Termination	N Female	
Mechanical Data		
Temperature Range	-10 to +60	°C
Dimensions	L 200mm x W 230mm x H 45mm	mm
Packed Weight	1.6	kg
Volume	L 270mm x W 250mm x H 60mm	mm

VHF DUPLEXER 100W		
Electrical Data	**D160-6**	
Frequency	136-174	MHz
Frequency Spacing	3 (min)	MHz
Continuous Input Power	100	W
Insertion Loss, Tx-Ant	1.0 (max)	dB
Rx Isolation @ Tx Freq.	85 (typ)	dB
VSWR (max)	<1.3:1	
Impendence	50	Ω
Termination	N Female	
Mechanical Data		
Temperature Range	-10 to +60	°C
Dimensions	L 210mm x W 240mm x H 48mm	mm
Packed Weight	1.5	kg
Volume	L 270mm x W 250mm x H 61mm	mm

MIDBAND DUPLEXER		
Electrical Data	**DM66-6**	
Frequency	66-88	MHz
Frequency Spacing	3-7min	MHz
Input Power	40 (Continuous)	W
Insertion Loss	Tx-Ant: ≤ 1.2 (max)	dB
Rx Isolation	@ Tx Freq. : ≥ 80 (typ.)	dB
VSWR (max)	≤ 1.3 : 1	
Impendence	50	Ω
Termination	BNC Female	
Mechanical Data		
Temperature Range	-10 to +60	°C

Initials:

Dimensions	H 0.033 x W 0.158 x D 0.144	m
Packed Weight	0.8	kg
Packed Dimensions	24x18x4,5	cm

5.63 Body Cam	
Device:	

Sensor:	1/3” CMOS
IR Led :	4pcs IR Led
Display Screen:	3.5” Touch HD Screen
Horizontal FOV	120*
Max. Image Resolution	33MP
Video Resolution	1920x1080(30fps), 1440x1080(30fps), 1280x720(30fps)
Min. Illumination	0Lux
Night Vision	5-10 meters
Storage	32G (64G,128G,256G) must be optional
IR Cut	Manual and Auto
Bands:	
GSM:	GSM: B2, B3, B5, B8,TD-SCDMA: B34, B39,WCDMA: B1, B2, B5, B8
Frequency:	CDMA: 2000 1 x EV DO,TDD-LTE: B39, B38, B40, B41,FDD-LTD: B2, B3, B4, B5, B7, B8, B12, B17, B20, B26,B28A, B28B.
General:	
Operating System:	Android 0S 8.0
Battery type	Undetachable
Battery	5000 mAh.
Working time	10 Hours
Standby time	20 Hours
Dimensions	Not bigger than 116 x 65 x 25.5mm
Weight	Not more than 220g
Operating Humidity	15%-90% (RH)
Working Temperature	30 – 55` 141 celsius
Key Features must include:	
-One-key AV linkage alarm	
-One-key photographing and audio/video recording	
-Real-time AV transmission and dispatching management via 4G network	
-3HD FF/zoom cameras to enable device to work in low light environments	
-Dual sim cards and dual channels guaranteed on network connection	
-AV file labelled for important information protection	
-Auto photographing and file transmission	
-Trunking POC for wider area communication	
-Dual-stream video design for simultaneous video transmission and local storage	
-GPS, Bei Dou and GLONASS positioning, and GIS based background dispatching management	
-MIL-STD-810 C\D\E\F\G and IP67 rating	
-Built-in Wi-Fi, Bluetooth, and NFC modules	
-Connectable to external camera via OTG cable	

MIDVAAL LOCAL MUNICIPALITY

5. CONTRACT PRICE ADJUSTMENTS:

An annual price adjustment is applicable to the bid which will be based on the average of Reserve Bank CPI figures for the year until the anniversary of this contract.

6. GUARANTEE:

Prospective Bidder(s) should guarantee their product for a period of one year.

7. QUANTITIES:

Bidders must note that any items provided for on this bid will only be ordered on an as and when required basis.

Please note that all quantities stated in the Schedule of rates of this bid document are estimated quantities.

Due to the nature of this commodity, the bid document will only reflect a quantity of 1 (One) next to each line item. This quantity of 1 (One) is not an indication that the municipality only intends to buy one of each product or make use of a service once.

However, the quantity of 1 (One) is not an indication that the municipality is under any obligation to procure all the indicated products or services stated in the Schedule of rates during the duration of the contract.

8. DELIVERY:

Deliveries:

Where a purchase order is issued to the successful bidder(s), the goods need to be delivered within 14 (fourteen) working days from the receipt of the official purchase order. Purchase orders may be hand delivered or e-mailed.

9. PAYMENT:

Midvaal Local Municipality will not accept any responsibility for the non-payment of any invoices submitted by a successful bidder(s) if the relevant documentation does not reflect an official municipal order number.

10. PRODUCTS:

Prospective bidders need to ensure that the products quoted on, in this document, is compliant with the relevant ICASA product specification. Refer to Annexure “A” Certificate of Undertaking

It is the responsibility of the bidder(s) to ensure that, all products must be SANS 1507 certified, should a product not be covered under the abovementioned ICASA specifications and regulations.

11. STORES, WORKSHOP:

Bidders should have a valid ICASA approved Dealer licence that is in the name of the bidding company, and established storage area with stock items such as listed on the schedule of rates available on hand, as well as an equipped workshop on the premises from repairs and mobile installations in vehicles.
Bidders will have to be equipped with spare repeaters in stores for Emergency breakdowns.

Midvaal Local Municipality may inspect the appointed bidder's premises at a pre-determined time and date during this process.

12. HI-SITES:

Proof of Hi-site operational with emergency backup power throughout Midvaal or a letter of undertaking in place that the bidder will be able to use already in use Hi-sites within Midvaal.

- Walkerville
- Meyerton
- Vaal marina

13. EVALUATION OF TENDER:

Minimum requirements and Pricing

14. AWARDING OF BIDS:

The Council reserves the right to accept any bid or part thereof and does not bind itself to accept the lowest or any bid. Midvaal will not consider any bid not fully completed with the required attachments.

15. MINIMUM REQUIREMENTS:

The following minimum requirements must be met by the tenderer to be evaluated further.

		YES	NO
Vehicle	Proof of LDV/SUV vehicle: attach proof of vehicle registration on the company name or lease or letter of intent to lease with proof of registration on the leased vehicle.		
Annexure "A"	Annexure "A", Completed Certificate of undertaking (SANS & ICASA)		
Operational Proof (Annexure "B")	Proof of Hi-site operational with emergency backup power throughout Midvaal or a certificate of undertaking in place that the bidder will be able to use already in use Hi-sites within Midvaal. (Annexure "B" Certificate of Undertaking)		
License Required	Valid ICASA Dealers License in the name of bidder. – To be attached		
Reference Letters	Bidder must attach 2 reference letters in the name of the bidding company in the last five years, for the supply, delivery and maintenance of two-way radios and in a company, letter head that is signed and dated to confirm validity. Not older than 5 years.		

Initials:

PRICING SCHEDULE

PRICING SCHEDULE

PRICING PROVIDED FOR THE SPECIFIED PRODUCTS SHOULD INCLUDE DELIVERY.
PRICING IS REQUIRED FOR EACH ITEM ON THE PRICING SCHEDULE AS MIDVAAL HAS NO INTENTION OF SPLITTING THE BID. PRICING ON ALL PRODUCTS REQUIRED.
REFER TO SECTION 5.1 - 5.63 ON DOCUMENT FOR SPECIFICATIONS.
THIS IS A RATE BASED TENDER.

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT Excl. Vat
A. **TWO WAY RADIOS:**					
1	Portable Handheld Radio UHF/VHF (Analogue) - Option 1	each	1		
2	Portable Handheld Radio UHF/VHF (Analogue) - Option 2	each	1		
3	Portable Handheld Radio Midband (66-88 Mhz) - Option 1	each	1		
4	Portable Handheld Radio Midband (66-88 Mhz) - Option 2	each	1		
5	Portable Handheld Radio UHF/VHF (Digital) - Option 1	each	1		
6	Portable Handheld Radio UHF/VHF (Digital) - Option 2	each	1		
7	Portable Handheld Radio UHF/VHF (Digital) - Option 3	each	1		
8	Portable Handheld Sim Card Radios - Option 1	each	1		
9	Portable Handheld Sim Card Radios - Option 2	each	1		
10	Mobile Vehicle Radio UHF/VHF (Analogue) - Option 1	each	1		
11	Mobile Vehicle Radio UHF/VHF (Analogue) - Option 2	each	1		
12	Mobile Vehicle Radio Midband (66-88 Mhz)	each	1		
13	Mobile Vehicle Radio UHF/VHF (Digital) - Option 1	each	1		
14	Mobile Vehicle Radio UHF/VHF (Digital) - Option 2	each	1		
15	Mobile Sim Card Radio	each	1		
16	Repeater - FDMA Digital UHF/VHF - Option 1	each	1		
17	Repeater - FDMA Digital UHF/VHF - Option 2	each	1		
18	Repeater - Midband - Analogue	each	1		
SUBTOTAL A EXCLUSIVE OF VAT					

MIDVAAL LOCAL MUNICIPALITY

Initials:

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT Excl. Vat
B. ANTENNAS FOR TWO-WAY RADIOS					
19	Portable Handheld Radio UHF/VHF (Analogue) - Option 1 - Rubber Antenna	each	1		
20	Portable Handheld Radio UHF/VHF (Analogue) - Option 2 - Rubber Antenna	each	1		
21	Portable Handheld Radio Midband (66-88 Mhz) - Option 1 - Rubber Antenna	each	1		
22	Portable Handheld Radio Midband (66-88 Mhz) - Option 2 - Rubber Antenna	each	1		
23	Portable Handheld Radio UHF/VHF (Digital) - Option 1 - Rubber Antenna	each	1		
24	Portable Handheld Radio UHF/VHF (Digital) - Option 2 - Rubber Antenna	each	1		
25	Portable Handheld Radio UHF/VHF (Digital) - Option 3 - Rubber Antenna	each	1		
26	Portable Handheld Sim Card Radios - Option 1 - Rubber Antenna	each	1		
27	Mobile Vehicle Radio Antenna UHF C/W 4m coax cable and connector (Fixed Mount)	each	1		
28	Mobile Vehicle Radio Antenna VHF C/W 4m coax cable and connector (Fixed Mount)	each	1		
29	Mobile Vehicle Radio Antenna Midband C/W 4m coax cable and connector (Fixed Mount)	each	1		
30	Mobile Vehicle Radio Antenna GSM C/W 4m coax cable and connector (Window Mount)	each	1		
31	Mobile Vehicle Radio Antenna UHF C/W 4m coax cable and connector (Magnet Mount)	each	1		
32	Mobile Vehicle Radio Antenna VHF C/W 4m coax cable and connector (Magnet Mount)	each	1		
33	Mobile Vehicle Radio Antenna Midband C/W 4m coax cable and connector (Magnet Mount)	each	1		
34	Mobile Vehicle Radio Antenna GSM C/W 4m coax cable and connector (Magnet Mount)	each	1		
35	Mobile Vehicle Radio GPS Antenna - Digital Option 1	each	1		
36	Mobile Vehicle Radio GPS Antenna - Digital Option 2	each	1		
37	Mobile Vehicle Radio GPS Antenna - Sim Card Radio	each	1		
38	Base Radio Folded Dipole Antenna VHF	each	1		
39	Base Radio Folded Dipole Antenna VHF (Budget Antenna)	each	1		
40	Base Radio Folded Dipole Antenna UHF	each	1		
41	Base Radio Folded Dipole Antenna UHF (Blade Antenna)	each	1		
42	Base Radio Folded Dipole Antenna Midband	each	1		
43	Repeater 2 Stack Antenna VHF	each	1		
44	Repeater 2 Stack Antenna UHF	each	1		
45	Repeater 2 Stack Antenna Midband	each	1		
SUBTOTAL B EXCLUSIVE OF VAT					

EMFULENI LOCAL MUNICIPALITY

Initials:

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT Excl. Vat
C. CABLES FOR TWO WAY RADIOS					
46	Coax Cable RG58	Per Meter	1		
47	Coax Cable RG213	Per Meter	1		
48	Coax Cable LMR 195	Per Meter	1		
49	Coax Cable LMR 400	Per Meter	1		
50	Earth Cable 6mm	Per Meter	1		
51	Illumination Cable	Per Meter	1		
52	SMC Antenna Cable	each	1		
53	2m Illumination Cable C/W Battery Lugs	each	1		
54	Mobile Vehicle Radio UHF/VHF (Analogue) - Option 1 - Power Cable	each	1		
55	Mobile Vehicle Radio UHF/VHF (Analogue) - Option 2 - Power Cable	each	1		
56	Mobile Vehicle Radio Midband (66-88 Mhz) - Power Cable	each	1		
57	Mobile Vehicle Radio UHF/VHF (Digital) - Option 1 - Power Cable	each	1		
58	Mobile Vehicle Radio UHF/VHF (Digital) - Option 2 - Power Cable	each	1		
59	Mobile Sim Card Radio - Power Cable	each	1		
60	Repeater - FDMA Digital UHF/VHF - Option 1 - Power Cable	each	1		
61	Repeater - FDMA Digital UHF/VHF - Option 2 - Power Cable	each	1		
62	Repeater - Midband - Analogue - Power Cable	each	1		
63	Duplexer Cables C/W Connectors (set of 2)	each	1		
SUBTOTAL C EXCLUSIVE OF VAT					

MIDVAAL LOCAL MUNICIPALITY

Initials:

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT Excl. Vat
D. ACCESSORIES - MOBILE RADIOS (VEHICLE RADIOS)					
64	Universal Mounting Bracket for Vehicle Radio	each	1		
65	Microphone Bracket	each	1		
66	6MM Crimp PL259 Connector (RG58)	each	1		
67	6MM Crimp PL258 Connector (RG58)	each	1		
68	6MM Crimp BNC - Male Connector (RG58)	each	1		
69	6MM Crimp BNC - Female Connector (RG58)	each	1		
70	6MM Crimp N-type Male Connector (RG58)	each	1		
71	6MM Crimp N-type female Connector (RG58)	each	1		
72	24v - 12v Converter Standard	each	1		
73	24v - 12v Converter Compact	each	1		
74	Boot, Gutter, and Fender Antenna Mount Bracket	each	1		
75	External speaker's c/w 1M cable and Jack plug	each	1		
76	Mobile Vehicle Radio UHF/VHF (Analogue) - Option 1 - Microphone	each	1		
77	Mobile Vehicle Radio UHF/VHF (Analogue) - Option 2 - Microphone	each	1		
78	Mobile Vehicle Radio Midband (66-88 Mhz) - Microphone	each	1		
79	Mobile Vehicle Radio UHF/VHF (Digital) - Option 1 - Microphone	each	1		
80	Mobile Vehicle Radio UHF/VHF (Digital) - Option 2 - Microphone	each	1		
81	Mobile Sim Card Radio - Microphone	each	1		
SUBTOTAL D EXCLUSIVE OF VAT					

MIDVAAL LOCAL MUNICIPALITY

Initials:

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT Excl. Vat
E. PORTABLES RADIOS (HANDHELD RADIOS)					
82	Charger pocket for portable radios - Analogue Option 1	each	1		
83	Charger pocket for portable radios - Analogue Option 2	each	1		
84	Charger pocket for portable radios - Midband Option 1	each	1		
85	Charger pocket for portable radios - Midband Option 2	each	1		
86	Charger pocket for portable radios - Digital Option 1	each	1		
87	Charger pocket for portable radios - Digital Option 2	each	1		
88	Charger pocket for portable radios - Digital Option 3	each	1		
89	Charger Transformer for portable radios - Analogue Option 1	each	1		
90	Charger Transformer for portable radios - Analogue Option 2	each	1		
91	Charger Transformer for portable radios - Midband Option 1	each	1		
92	Charger Transformer for portable radios - Midband Option 2	each	1		
93	Charger Transformer for portable radios - Digital Option 1	each	1		
94	Charger Transformer for portable radios - Digital Option 2	each	1		
95	Charger Transformer for portable radios - Digital Option 3	each	1		
96	Leather pouch c/w strap for portable radios - Analogue Radios	each	1		
97	Leather pouch c/w strap for portable radios - Digital Radios	each	1		
98	Additional Batteries for portable radios normal capacity 1500mAh - Analogue Option 1	each	1		
99	Additional Batteries for portable radios normal capacity 1500mAh - Analogue Option 2	each	1		
100	Additional Batteries for portable radios normal capacity 1500mAh - Midband Option 1	each	1		
101	Additional Batteries for portable radios normal capacity 1500mAh - Midband Option 2	each	1		
102	Additional Batteries for portable radios normal capacity 1500mAh - Digital Option 1	each	1		
103	Additional Batteries for portable radios normal capacity 1500mAh - Digital Option 2	each	1		
104	Additional Batteries for portable radios normal capacity 1500mAh - Digital Option 3	each	1		
105	Additional Batteries for portable radios high capacity 2 000 mAh - Analogue Option 1	each	1		
106	Additional Batteries for portable radios high capacity 2 000 mAh - Analogue Option 2	each	1		
107	Additional Batteries for portable radios high capacity 2 000 mAh - Digital Option 1	each	1		
108	Additional Batteries for portable radios high capacity 2 000 mAh - Digital Option 2	each	1		

EMFULENI LOCAL MUNICIPALITY

Initials:

109	Additional Batteries for portable radios high capacity 2 000 mAh - Digital Option 3	each	1		
110	Speaker mic for portable radios - Analogue Option 1	each	1		
111	Speaker mic for portable radios - Analogue Option 2	each	1		
112	Speaker mic for portable radios - Midband Option 1	each	1		
113	Speaker mic for portable radios - Midband Option 2	each	1		
114	Speaker mic for portable radios - Digital Option 1	each	1		
115	Speaker mic for portable radios - Digital Option 2	each	1		
116	Speaker mic for portable radios - Digital Option 3	each	1		
117	Clear tube earpiece for portable radios - Analogue Option 1	each	1		
118	Clear tube earpiece for portable radios - Analogue Option 2	each	1		
119	Clear tube earpiece for portable radios - Midband Option 1	each	1		
120	Clear tube earpiece for portable radios - Midband Option 2	each	1		
121	Clear tube earpiece for portable radios - Digital Option 1	each	1		
122	Clear tube earpiece for portable radios - Digital Option 2	each	1		
123	Clear tube earpiece for portable radios - Digital Option 3	each	1		
SUBTOTAL E EXCLUSIVE OF VAT					

MIDVAAL
LOCAL MUNICIPALITY

Initials:

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT Excl. Vat
F. ACCESSORIES - BASE RADIOS (OFFICE / HOUSE)					
124	Basic power supply with backup battery 7.2AH Battery - No meters	each	1		
125	Basic power supply with backup battery 7.2AH Battery - With Volt & Amp meter	each	1		
126	12V 7.2AH Battery	each	1		
127	3m Mast (Aluminium pole)	each	1		
128	3m Mast (Aluminium pole) Heavy Duty	each	1		
129	6m Mast (Aluminium pole)	each	1		
130	6m Mast (Aluminium pole) Heavy Duty	each	1		
131	TV Antenna Bracket 250mm	each	1		
132	Heavy Duty bracket 250 mm	each	1		
133	Heavy Duty bracket 500 mm	each	1		
134	Universal wall Mount Bracket Standard	each	1		
135	Universal wall Mount Bracket Large	each	1		
136	Antenna Mast Mounting Brackets (Parallel Clamps)	each	1		
137	Steel Strapping	Per Meter	1		
138	Soiled Copper Earth Rod (Earth Spike)	each	1		
139	6MM Connectors N type Male (LMR 195)	each	1		
140	6MM Connectors N type Female (LMR 195)	each	1		
141	6MM Connectors BNC Male (LMR 195)	each	1		
142	6MM Connectors BNC Female (LMR 195)	each	1		
143	6MM Connectors PL259 (LMR 195)	each	1		
144	6MM Connectors PL258 (LMR 195)	each	1		
145	9MM Connectors N-type male (RG213)	each	1		
146	9MM Connectors N-type female (RG213)	each	1		
147	9MM Connectors BNC Male (RG 213)	each	1		
148	9MM Connectors BNC Female (RG 213)	each	1		
149	9MM Connectors PL259 (RG 213)	each	1		
150	9MM Connectors PL258 (RG 213)	each	1		
151	9MM Connectors N-type Male (LMR 400)	each	1		
152	9MM Connectors N-type Female (LMR 400)	each	1		
153	9MM Connectors BNC Male (LMR 400)	each	1		
154	9MM Connectors BNC Female (LMR 400)	each	1		
155	9MM Connectors PL259 (LMR 400)	each	1		
156	9MM Connectors PL258 (LMR 400)	each	1		
SUBTOTAL F EXCLUSIVE OF VAT					

MIDVAAL LOCAL MUNICIPALITY

Initials:

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT Excl. Vat
G. ACCESSORIES – REPEATERS					
157	Power Supply for 12V 105ah battery	each	1		
158	105ah Battery	each	1		
159	UHF Duplexer 40W	each	1		
160	UHF Duplexer 100W	each	1		
161	VHF Duplexer 40W	each	1		
162	VHF Duplexer 50W	each	1		
163	VHF Duplexer 75W	each	1		
164	VHF Duplexer 100W	each	1		
165	Midband Duplexer 40W	each	1		
SUBTOTAL G EXCLUSIVE OF VAT					

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT Excl. Vat
H. SUPPLY AND INSTALLATION OF TWO WAY RADIOS – INCLUSIVE OF LABOUR					
166	Mobile Radio Installation (Vehicle 12V)	each	1		
167	Mobile Radio Installation (Truck - 24V)	each	1		
168	Base Radio Installation (220V)	each	1		
169	Repeater Installation (220V)	each	1		
SUBTOTAL H EXCLUSIVE OF VAT					

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT Excl. Vat
I. SPARES - WORKSHOP REPAIRS					
170	RF Final module	each	1		
171	Front control display	each	1		
172	5V Regulator	each	1		
173	Internal Speaker Portable Analogue - Option 1	each	1		
174	Internal Speaker Portable Analogue - Option 2	each	1		
175	Internal Speaker Portable Digital Option 1	each	1		
176	Internal Speaker Portable Digital Option 2	each	1		
177	Internal Speaker Portable Digital Option 3	each	1		
178	Radio Casing Portable Analogue - Option 1	each	1		
179	Radio Casing Portable Analogue - Option 2	each	1		
180	Radio Casing Portable Digital - Option 1	each	1		
181	Radio Casing Portable Digital - Option 2	each	1		
182	Radio Casing Portable Digital - Option 3	each	1		
SUBTOTAL I EXCLUSIVE OF VAT					

MIDVAAL LOCAL MUNICIPALITY

Initials:

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT Excl. Vat
J.SERVICES - SITES & REPEATERS & RADIOS					
183	Repeater "High Site" monthly service cost per repeater for Midvaal operational area including Vaal Marina	each	1		
184	Labour per hour on repeater repairs	p/hour	1		
185	Call out fees to Midvaal area	each	1		
186	Talk time – Sim Card Radios	Per device per Month	1		
187	Dispatcher software – Sim Card Radios	Per system per Month	1		
188	Guard Patrolling – Sim Card Radios	Per Patrol Radio Per Month	1		
189	Cell Phone App – Sim Card Radios	Per Phone Per Month	1		
190	I Access – Sim Card Radios	Per device per Month	1		
191	Dual Sim Add-ons	Per device per Month	1		
192	Body Camera connectivity	Per device per Month	1		
193	Dispatcher software (KAS 20)	each	1		
194	License (KAS 20)	Per Month	1		
SUBTOTAL J EXCLUSIVE OF VAT					

MIDVAAL LOCAL MUNICIPALITY

Initials:

SUMMARY

DESCRIPTION	AMOUNT Excl. Vat
SUBTOTAL A EXCLUSIVE OF VAT	
SUBTOTAL B EXCLUSIVE OF VAT	
SUBTOTAL C EXCLUSIVE OF VAT	
SUBTOTAL D EXCLUSIVE OF VAT	
SUBTOTAL E EXCLUSIVE OF VAT	
SUBTOTAL F EXCLUSIVE OF VAT	
SUBTOTAL G EXCLUSIVE OF VAT	
SUBTOTAL H EXCLUSIVE OF VAT	
SUBTOTAL I EXCLUSIVE OF VAT	
SUBTOTAL J EXCLUSIVE OF VAT	
TOTAL EXCLUSIVE OF VAT	
VAT @15%	
TOTAL INCLUSIVE OF VAT @15%	

MIDVAAL LOCAL MUNICIPALITY

Initials:

ALTERNATIVE OFFERED

MIDVAAL
LOCAL MUNICIPALITY

Initials:

ALTERNATIVES OFFERED

If there are no alternatives to be offered, the Schedule hereunder is to be marked NIL and signed by the Bidder.

Bidders wishing to bid on alternative products that differ from the requested specification may do so, only if a detailed pricelist that includes the name, make, model and price of such items is submitted and attached to this page.

Only ISO/SANS/SABS or items registered with the relevant authority will be considered.

SIGNATURE OF BIDDER **DATE**

Initials:

ADDENDUM

PLACE AN ADDENDUM BEHIND THIS PAGE

Initials: