

## PA 32: INVITATION TO BID PART A

<b>YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)</b>			
BID NUMBER:	ID 3164104	CLOSING DATE:	29/01/2024
		CLOSING TIME:	11:00
DESCRIPTION	SERVICE AND REPLACEMENT OF SPLIT UNIT AIRCONDITIONERS AT COLLEGE PRETORIA WEST POLICE STATION		
<b>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (DPW04.1 GS or DPW04.2 GS).</b>			
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)			
251 NANA SITA STREET			
CNR NANA SITA & THABO SEHUME STREET			
PRETORIA,			
<b>OR POSTED TO:</b>			
PRIVATE BAG X229			
PRETORIA, 0001			
<b>SUPPLIER INFORMATION</b>			
NAME OF BIDDER			
POSTAL ADDRESS			
STREET ADDRESS			
TELEPHONE NUMBER	CODE	NUMBER	
CELLPHONE NUMBER			
FACSIMILE NUMBER	CODE	NUMBER	
E-MAIL ADDRESS			
VAT REGISTRATION NUMBER			
	TCS PIN:	OR	CSD No:
SIGNATURE OF BIDDER	.....	DATE	
CAPACITY UNDER WHICH THIS BID IS SIGNED (Attach proof of authority to sign this bid; e.g. resolution of directors, etc.)			

TOTAL NUMBER OF ITEMS OFFERED		TOTAL BID PRICE (ALL APPLICABLE TAXES)	R
<b>BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:</b>		<b>TECHNICAL INFORMATION MAY BE DIRECTED TO:</b>	
DEPARTMENT/ PUBLIC ENTITY	PUBLIC WORKS & INFRASTRUCTURE	CONTACT PERSON	LM MABITSELA
CONTACT PERSON	MS. M. MANALA	TELEPHONE NUMBER	082 802 9072
TELEPHONE NUMBER	012 492 3020	FACSIMILE NUMBER	N/A
FACSIMILE NUMBER	N/A	E-MAIL ADDRESS	LESIBA.MABITSELA@DPW.GOV.ZA
E-MAIL ADDRESS	MMABORE.MANALA@DPW.GOV.ZA		

## 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. BIDDERS MUST REGISTER ON THE CENTRAL SUPPLIER DATABASE (CSD) TO UPLOAD MANDATORY INFORMATION NAMELY: ( BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS; AND BANKING INFORMATION FOR VERIFICATION PURPOSES).
- 1.4. WHERE A BIDDER IS NOT REGISTERED ON THE CSD, MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS MAY NOT BE SUBMITTED WITH THE BID DOCUMENTATION.
- 1.5. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT 2000 AND THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER LEGISLATION OR 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 TAX COMPLIANCE STATUS (TCS) 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 BIDDERS MAY ALSO SUBMIT A PRINTED TCS TOGETHER WITH THE BID.
- 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE PROOF OF TCS / PIN / CSD NUMBER.
- 2.6 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 BIDDER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?  YES  NO
- 3.2. DOES THE BIDDER HAVE A BRANCH IN THE RSA?  YES  NO
- 3.3. DOES THE BIDDER HAVE A PERMANENT ESTABLISHMENT IN THE RSA?  YES  NO
- 3.4. DOES THE BIDDER HAVE ANY SOURCE OF INCOME IN THE RSA?  YES  NO

IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN, IT IS NOT A REQUIREMENT TO OBTAIN A TAX COMPLIANCE STATUS / TAX COMPLIANCE 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.**

**Note Well:**

- a) In respect of non VAT vendors the bidders may not increase the bid price under Section 67(1) of the Value Added Tax Act of 1991 where the relevant transaction would become subject to VAT by reason of the turnover threshold being exceeded and the bidder becomes liable for VAT.
- b) **All delivery costs must be included in the bid price, for delivery at the prescribed destination.**
- c) The price that appears on this form is the one that will be considered for acceptance as **a firm and final offer**.
- d) The grand total in the pricing schedule(s), inclusive of VAT, attached to the bid offer must correlate and be transferred to this form (PA32).
- e) Where there are inconsistencies between the grand total price offer in the pricing schedule(s) and the PA32 price offer, the price offer on the PA32 shall prevail and deemed to be firm and final. No further correspondence shall be entered into in this regard.

<sup>1</sup> All applicable taxes" includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies

## PA-03 (EC): NOTICE AND INVITATION FOR QUOTATION

THE DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE INVITES QUOTATIONS FOR:

<b>Project title:</b>	SERVICE AND REPLACEMENT OF SPLIT UNIT AIRCONDITIONERS AT COLLEGE PRETORIA WEST POLICE STATION
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<b>Quotation no:</b>	ID 3164104	<b>Reference no:</b>	ID 3164104
<b>Advertising date:</b>	22/01/2024	<b>Closing date:</b>	29/01/2024
<b>Closing time:</b>	11:00	<b>Validity period:</b>	84 Calendar days

### 1. REQUIRED CIDB GRADING

It is estimated that tenderers should have a CIDB contractor grading designation of **1 ME** or higher, or **select tender value range select class of construction works\*** or higher.

*\*Select tender value range and select class of construction works" or select "Not applicable" where only one class of construction works is applicable.*

It is estimated that potentially emerging enterprises should have a CIDB contractor grading designation of **Not applicable Not applicable PE** or higher, or **Not applicable Not applicable PE\*** or higher.

*\*Select tender value range and select class of construction works" or select "Not applicable" where no or only one class of construction works is applicable.*

### 2. FUNCTIONALITY CRITERIA APPLICABLE YES NO

**Note 1:** Failure to meet minimum functionality score will result in the tenderer being disqualified.

Functionality criteria <sup>1</sup> :	Weighting factor:
<b>Total</b>	<b>100 Points</b>

### 3. METHOD TO BE USED TO CALCULATE POINTS FOR SPECIFIC GOALS

<sup>1</sup>The points allocated to each functionality criterion should not be generic but should be determined separately for each tender on a case by case basis.

Any reference to words "Bid" or Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

**3.1. For procurement transaction with rand value greater than R2 000, 00 and up to R1 Million (Inclusive of all applicable taxes) the specific goals listed in table 1 below are applicable.**

**Table 1**

Serial No	Specific Goals	Preference Points Allocated out of 20	Documentation to be submitted by bidders to validate their claim
1.	An EME or QSE which is at least 51% owned by black people (Mandatory)	10	<ul style="list-style-type: none"> <li>SANAS Accredited BBBEE Certificate or Sworn Affidavit where applicable.</li> </ul>
2.	Located in a specific Local Municipality or District Municipality or Metro or Province area for work to be done or services to be rendered in that area (Mandatory)	2	<ul style="list-style-type: none"> <li>Official Municipal Rates Statement which is in the name of the bidder.</li> </ul> <p>Or</p> <ul style="list-style-type: none"> <li>Any account or statement which is in the name of the bidder.</li> </ul> <p>Or</p> <ul style="list-style-type: none"> <li>Permission to Occupy from local chief in case of rural areas (PTO) which is in the name of the bidder.</li> </ul> <p>Or</p> <ul style="list-style-type: none"> <li>Lease Agreement which is in the name of the bidder.</li> </ul>
3.	An EME or QSE which is at least 51% owned by black women (Mandatory)	4	<ul style="list-style-type: none"> <li>SANAS Accredited BBBEE Certificate or Sworn Affidavit where applicable.</li> </ul>
4.	An EME or QSE which is at least 51% owned by black people with disability (Mandatory)	2	<ul style="list-style-type: none"> <li>SANAS Accredited BBBEE Certificate or Sworn Affidavit where applicable.</li> </ul> <p>and</p> <ul style="list-style-type: none"> <li>Medical Certificate indicating that the disability is permanent.</li> </ul> <p>Or</p> <ul style="list-style-type: none"> <li>South African Social Security Agency (SASSA) Registration indicating that the disability is permanent.</li> </ul> <p>Or</p> <ul style="list-style-type: none"> <li>National Council for Persons with Physical Disability in South Africa registration (NCPDPSA).</li> </ul>
5.	An EME or QSE which is at least 51% owned by black youth (Mandatory)	2	<ul style="list-style-type: none"> <li>ID Copy and SANAS Accredited BBBEE Certificate or Sworn Affidavit where applicable.</li> </ul>

#### 4. RESPONSIVENESS CRITERIA

##### 4.1. Indicate substantive responsiveness criteria applicable for this tender. Failure to comply with the criteria stated hereunder shall result in the tender offer being disqualified from further consideration:

1	<input checked="" type="checkbox"/>	Only those tenderers who satisfy the eligibility criteria stated in the Tender Data may submit tenders.
2	<input checked="" type="checkbox"/>	Tender offer must be properly received on the tender closing date and time specified on the invitation, completed either electronically (if issued in electronic format), or by writing legibly in non-erasable ink. (All as per Standard Conditions of Tender).
3	<input checked="" type="checkbox"/>	Use of correction fluid is prohibited. Corrections to be crossed out and initialled.
4	<input checked="" type="checkbox"/>	Submission of a signed bid offer as per the DPW-07 (EC).
5	<input checked="" type="checkbox"/>	Submission of DPW-09 (EC): Particulars of Tenderer's Projects.
6	<input type="checkbox"/>	Bidders must comply with DPW-21 (EC): Record of Addenda to tender documents, if any.
7	<input checked="" type="checkbox"/>	The tenderer shall submit his fully priced Bills of Quantities / Lump Sum Document (complete document inclusive of all parts) together with his tender.
8	<input type="checkbox"/>	Submission of DPW-16.1 signed by the authorised official and completion of bid briefing attendance register. <b>insert motivation why the tender clarification meeting is declared compulsory</b>
9	<input type="checkbox"/>	The tenderer shall submit his fully priced and completed sectional summary- and final summary pages with the tender.
10	<input checked="" type="checkbox"/>	Submission of Active CIDB grading of 1ME
11	<input type="checkbox"/>	
12	<input type="checkbox"/>	

##### 4.2. Indicate administrative responsiveness requirements applicable for this tender.

The Employer reserves the right to request further information regarding the undermentioned criteria. Failing to submit further clarification and/or documentation within seven (7) calendar days from request will disqualify the tender offer from further consideration.

1	<input checked="" type="checkbox"/>	Any correction to be initialled by the person authorised to sign the tender documentation as per PA 15.1 or PA 15.2 resolution of board/s of directors / or PA15.3 Special Resolution of Consortia or JV's.
2	<input checked="" type="checkbox"/>	Submission of applicable (PA-15.1, PA-15.2, PA-15.3): Resolution by the legal entity, or consortium / joint venture, authorising a dedicated person(s) to sign documents on behalf of the firm / consortium / joint venture.
3	<input checked="" type="checkbox"/>	Submission of (PA-11): Bidder's disclosure
4	<input checked="" type="checkbox"/>	Submission of PA-16.1 (EC): Ownership Particulars
5	<input type="checkbox"/>	Submission of documentation relating to <b>risk assessment criteria</b> as contained in C 2.1 of T1.2 Tender Data.
6	<input type="checkbox"/>	Data provided by the Service Provider (C1.2.3) completed.
7	<input checked="" type="checkbox"/>	Submission of proof of Registration on National Treasury's Central Supplier Database (CSD). Insert the Supplier Registration Number on the form of offer, including proposed sub-contractors if any
8	<input checked="" type="checkbox"/>	All parts of tender documents submitted must be fully completed in ink and signed where required.
9	<input type="checkbox"/>	Upon request, submission of fingerprints obtainable from local SAPS including any other additional documentation and information required for vetting purposes.

10	<input type="checkbox"/>	Upon request, submission of a fully completed security clearance application form with supporting documentation and information as required. The security clearance form will be provided by the Employer for projects requiring a security clearance.
11	<input type="checkbox"/>	<b>Specify other responsiveness criteria</b>
12	<input type="checkbox"/>	<b>Specify other responsiveness criteria</b>
13	<input type="checkbox"/>	<b>Specify other responsiveness criteria</b>
14	<input type="checkbox"/>	<b>Specify other responsiveness criteria</b>
15	<input type="checkbox"/>	<b>Specify other responsiveness criteria</b>

**4.3. Indicate administrative requirements applicable for specific goals, Tenderers will not be required to submit the below documents if not provided in the original tender proposals, Failure to comply with the criteria stated hereunder shall result in the tenderer not allocated points for specific goals**

1	<input checked="" type="checkbox"/>	Submission of (PA-16): Preference Points Claim Form in terms of the Preferential Procurement Regulations 2022
2	<input checked="" type="checkbox"/>	A trust, consortium or joint venture (including unincorporated consortia and joint ventures) must submit a consolidated B-BBEE Certificate issued by a SANAS accredited service provider

**5. THE FOLLOWING EVALUATION METHOD FOR RESPONSIVE BIDS WILL BE APPLICABLE:**

<input type="checkbox"/> Method 1 (Financial offer)	<input checked="" type="checkbox"/> Method 2 (Financial and Preference offer)
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**5.1. This bid will be evaluated according to the 80/20 Preference points scoring system:**

**6. ELIGIBILITY IN RESPECT OF RISK TO THE EMPLOYER:**

**Standard risk management assessment criteria in respect of tenders received for routine projects in the engineering and construction works environments:**

Tender offers will be evaluated by an Evaluation Committee based on the technical and commercial risk criteria listed hereunder. Each criterion carries the same weight / importance and will be evaluated individually based on reports presented to the Bid Evaluation Committee by the Professional Team appointed on the project. A tender offer will be declared non-responsive and removed from any further evaluation if any one criterion is found to present an unacceptable risk to the Employer.

In order for the evaluation reports to be prepared by the Professional Team, the Tenderer is obliged to provide comprehensive information on form DPW-09 (EC). Failure to complete the said form will cause the tender to be declared non-responsive and removed from any further consideration. The Employer reserves the right to request additional information over and above that which is provided by the Tenderer on said form. The information must be provided by the Tenderer within the stipulated time as determined by the Bid Evaluation Committee, failing which the tender offer will *mutatis mutandis* be declared non-responsive.

**6.1 Technical risks:**

**Criterion 1: Experience on comparable projects during the past specify between 5 and 10 years.**

The tendering Service Provider's experience on comparable projects during the past specify between 5 and 10 years. The number of current and previous comparable projects performed by the Tenderer as per the

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evaluation report prepared by the Consultant Team, based on its research and inspection of a representative sample of the Tenderer's current and previous work as reflected on form DPW-09 (EC), as well as, if necessary, of any additional work executed by the Tenderer, not reflected on form DPW-09 (EC). Failing to provide contactable references will result in the tender offer will be *mutatis mutandis* declared non-responsive.

Aspects to be regarded as "comparable" includes (but may be extended according to circumstances): size of projects (measured against monetary value or other project quantifying parameters), nature of projects (building, engineering, high/low rise, etc.), locality/area of execution (site-specific influences, knowledge of local conditions, etc.), complexity of project, projects for similar client department irrespective of end purpose of buildings/facilities created or in progress of being created and time scales of projects (normal, fast track, etc.) and stage of its/their development.

**Criterion 2: Contractual commitment and quality of performance on comparable projects during the past specify between 5 and 10 years.**

Adherence to contractual commitments and quality of performance of comparable current and previous projects performed by the Tenderer during the past specify between 5 and 10 years as per the evaluation report prepared by the Consultant Team, based on its research and inspection of a representative sample of the Tenderer's current and previous work as reflected on form DPW-09 (EC), as well as, if necessary, of any additional work executed by the Tenderer.

Aspects to be considered include, but are not limited to the following:

1. The level of progress on current projects in relation to the project programme or, if such is not available/applicable, to the contractual construction period in general;
2. The degree to which previous projects have been completed within the contractual completion periods and/or extensions thereto, and the extend of penalties imposed;
3. Project performance: time management & programming of works, timeous ordering of materials and appointment of subcontractors;
4. Financial management: payment to suppliers and cash flow problems;
5. Quality of workmanship: extent of reworks and timeous attention to remedial works;
6. Personnel resources: suitably qualified and experienced, turnover in site staff and labour force, specifically site manager and foreman;
7. Personnel management: extent of labour disputes and ability to resolving labour disputes amicably;
8. Sub-contractors: extent of turnover in subcontractors, general liaison and payment problems experienced;
9. Contract administration: contractual aspects such as complying to laws and regulations, insurances, security, submission of required documentation timeously, reaction to written contract instructions, appointments of subcontractors, etc. as can generally be expected in standard/normal conditions of contract.
10. Health & Safety: adherence to regulations and compliance, and number of transgressions & serious incidents.
11. Plant & equipment: sufficient resources on site and in time.
12. Delays: extent of causing delays, submission of claims timeously, and abuse of or exaggerated delay claims.
13. Final account: extent to which the contractor assisted in finalising the final account.

**Criterion 3: Suitably qualified and appropriately experienced human resources**

Allocation of suitably qualified and appropriately experienced human resources, both in respect of principals and/or other staff (contract manager, site agent, site foreman including other professional, technical and/or administrative) of the tendering Service Provider to the project, as proof that the tendering Service Provider will be able to react/respond appropriately to the Services required herein. The Company Organogram with CV's and certified ID's of all principals and employed workforce as well as proof of Professional Registration will be verified. Current and future workload of the tenderer in relation to capacity and capability will also be considered. The tenderer should demonstrate that he or she possesses the necessary professional and technical qualifications and -competence in relation to the scope of work and work to be undertaken.

**Criterion 4: Attendance of compulsory bid clarification meeting, if applicable**

If applicable, submission of confirmation of DPW-16.1 (PSB) attendance of compulsory bid clarification meeting or proof of attending the compulsory virtual meeting by a suitably qualified and experienced representative of the tenderer in terms of PA-04 (EC): Notice and Invitation to Tender.

## 6.2 Commercial risks:

The financial viability assessment evaluates the risk over the life of the construction period, as to whether the tenderer will be able to deliver the goods and services which are specified in the contract and / or be able to fulfil guarantees or warranties provided for in the contract in order to complete the project successfully for the amount tendered.

Aspects to be considered include but are not limited to, the respective rates tendered, bank rating, financial capability and capacity whether the tenderer has or has access to sufficient financial resources to deliver the goods or services described in the tender documentation (including fulfilling any guarantees or warranty claims), whether the tenderer is not subject to any current or impending legal action (either formal proceedings or notification of legal action) which could impact on the financial standing of the tenderer or the delivery of the goods or services, financial report from auditors as proof of current liquidity, and company or any parent company or investor guarantee/s and financial statements.

## 7. COLLECTION OF QUOTATION DOCUMENTS

- Quotation documents are available for collection during working hours
- Alternatively; quotation documents may be collected during working hours at the following address **insert physical address**. A non-refundable bid deposit of **R insert amount** payable (cash only) on collection of the bid documents.

## 8. SITE INSPECTION MEETING

Compulsory briefing session will be held in respect of this quotation.

The particulars for compulsory briefing session or virtual briefing session are:

Venue:	(type in here the place or "N/A")		
Virtual meeting Link:	(type in here the place or "N/A")		
Date:	(type in here the date or "N/A")	Starting time:	(type in here the time or "N/A")

## 9. ENQUIRIES

9.1. Technical enquiries may be addressed to:

<b>DPWI Project Manager</b>	LM MABITSELA	<b>Telephone no:</b>	012 310 5972
<b>Cellular phone no</b>	082 802 9072	<b>Fax no:</b>	NA
<b>E-mail</b>	MACKSON.MABITSELA@dpw.gov.za		



9.2. SCM enquiries may be addressed to:

<b>SCM Official</b>	Ms. M. Manala	<b>Telephone no:</b>	012 492 3020
<b>Cellular phone no</b>	N/A	<b>Fax no:</b>	
<b>E-mail</b>	mmabore.manala@dpw.gov.za		

## 10. DEPOSIT / RETURN OF QUOTATION DOCUMENTS

Telegraphic, telephonic, telex, facsimile, electronic and / or late tenders will not be accepted.

Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.

All tenders must be completed in non-erasable ink and submitted on the official forms – (forms not to be re-typed).

<p><b>Tender documents may be posted to:</b></p> <p>The Director-General          Department of Public Works and Infrastructure          Private Bag X x229          pretoria          0001</p> <p><b>Attention:</b>  <b>Procurement section: Room G03</b></p>	<b>OR</b>	<p><b>Deposited in the tender box at:</b></p> <p>cnr Nana Sita &amp; Thabo Sehume          AVN building          Pretoria          0001</p>
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## SCOPE OF WORK

TOWN/CITY	PRETORIA
DEPARTMENT/BUILDING	SAPS TRAINING ACADEMY
LOCATION	PRETORIA WEST 1 REBECCA RD
COMPLAINT NO	ID-3164104
DESCRIPTION OF WORKS	REPAIR AND SERVICE OF AIR CONDITIONERS
CONTACT PERSON	Mr Hugo
CONTACT DETAILS	0728370204/ 012 353 9029

### SCHEDULE OF INFORMATION

This project includes the repair and servicing of Split Unit type Air Conditioners of different sizes at the Fire Arm Magazine and Musketry buildings:

- Repair and service 26000Btu Split unit
- Repair and service 24000Btu Split Unit
- Service 3 Split Units (2x 9000Btu and 1x 24000Btu)

All maintenance, service and repair activities must be carried out on the hand of the foregoing Introduction, with special reference to Condition Monitoring, Corrective Maintenance, Predictive Maintenance and Preventative Maintenance.

The service and repairs of the equipment shall be done professionally and in a proper manner by a qualified technician for such work.

### **2. Occupational health and safety Act of 1993:**

The occupational health and safety Act, 1993(act no 85 of 1993) as amended shall be adhered to.

All equipment and material shall be repaired, serviced and installed strictly in accordance with the manufacturers' specification, instruction and code of practice.

All equipment's, components parts, fittings and material shall conform in respect of quality SANS/SABS specification.

### **SPLIT TYPE AIRCONDITIONING**

1. Examine all equipment and check for wear in compliance with safety regulations. Do vibration tests and analysis on all moving equipment such as motors and fans.

2. Check heaters and oil levels in compressors. Do oil sampling test. Top up oil.
3. Check, adjust and replace badly worn belt drives.
4. Check and adjust timers, thermostats, sensors and electrically operated valves.
5. Check refrigerant levels and top up.
6. Check all electrical switchgear and clean switchboard internally. Check wiring and connections. Clean and re-connect loose wires. Check condition of board hinges, latches and door gaskets and repair or replace.
7. Report all defects on installation.
8. Log all pressures and temperatures.
9. Check and adjust pump glands.
10. Drain moisture from driers and air receivers.
11. Check operation of purge unit
12. Check automatic operation of roll filters.
13. Check condition of all filters and clean.
14. Check operation of "various" dampers and electrical control for correct operation and lubricate

**Note:**

1. All minor and incidental repairs such as the replacement of nuts, bolts, washers, self-tapping screws, pop rivets, etc shall form part of the servicing. The contractor shall allow for such repairs, (material and labour costs), in the price for servicing.

2. Detailed invoices to be supplied by contractor for all repair costs.
3. Report to officer in charge on arrival and departure.
4. Fill in service schedule and obtain signature of in charge.
5. Please submit a detailed report with the Invoice

**ID-3164104**

No.	Description	Unit	Quantity	Amount
1.	Replace 24000Btu Unit	Item	02	R
2.	Replace 18000Btu Unit	Item	01	R
3	Refrigerant Gas	13,6kg	01	R
	Mark Up (up to 20%)			R
	<b>SERVICE :</b>			
3.	26000Btu Unit	Item	1	R
4.	24000Btu Unit	Item	2	R
5	9000Btu Unit	Item	2	R
6.	Transport	R5.00/km	km	R
7.	Artisan	R200.00/h	hrs	R
8.	Assistant Artisan	R75.00/h	hrs	R
			<b>Sub Total</b>	<b>R</b>
			<b>VAT (15%)</b>	<b>R</b>
			<b>Total</b>	<b>R</b>