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Quotation Advert

Opening Date: 2021-11-17

Closing Date: 2021-11-26

Closing Time: 11:00

INSTITUTION DETAILS

Institution Name: Niemeyer Memorial hospital ▾

Province: KwaZulu-Natal

Department or Entity: Department of Health

Division or section: Central Supply Chain Management

Place where goods / services is required: NIEMEYER MEMORIAL HOSPITAL

Date Submitted: 2021-11-16

ITEM CATEGORY AND DETAILS

Quotation Number: ZNQ:
NMH221/21-22

Item Category: Goods ▾

Item Description: REPLACE AIRCONDITIONER IN THE CCTV ROOM AND MOBILE PARKHOME

Quantity (if supplies): 02

COMPULSORY BRIEFING SESSION / SITE VISIT

Select Type: Not Applicable ▾

Date:

Time:

Venue:

QUOTES CAN BE COLLECTED FROM: NO.31 KANTOOR STREET, UTRECHT, 2980.

QUOTES SHOULD BE DELIVERED TO: NO.31 KANTOOR STREET, UTRECHT, 2980.

ENQUIRIES REGARDING THE ADVERT MAY BE DIRECTED TO:

Name: S.M. TSHABALALA

Email: Siphellele.Tshabalala@kznhealth.gov.za

Contact Number:

034 331 2369

Finance Manager Name:

MR. N.R. MTSHALI

Finance Manager Signature:



No late quotes will be considered

Print this page

Site Updated: 16 November, 2021, 10:54 am

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SPECIAL CONTRACT CONDITIONS OF QUOTATIONS

1. AMENDMENT OF CONTRACT

- 1.1. Any amendment to or renunciation of the provisions of the contract shall at all times be done in writing and shall be signed by both parties.

2. CHANGE OF ADDRESS

- 2.1. Bidders must advise the Department of Health (institution where the offer was submitted) should their address (*domicilium citandi et executandi*) details change from the time of bidding to the expiry of the contract.

3. GENERAL CONDITIONS ATTACHED TO THIS QUOTATION

- 3.1. The Department is under no obligation to accept the lowest or any quote.
- 3.2. The Department reserves the right to communicate in writing with vendors in cases where information is incomplete or where there are obscurities regarding technical aspects of the offer, to obtain confirmation of prices or preference claims in cases where it is evident that a typing, written, transfer or unit error has been made, to investigate the vendor's standing and ability to complete the supply/service satisfactorily.
- 3.3. ***ALL DECISIONS TAKEN BY THE DEPARTMENT ARE FINAL, INCLUDING THE AWARD OF THIS QUOTATION.***
- 3.4. The price quoted must include VAT (if VAT vendor). However, it must be noted that the Department reserves the right to evaluate all quotations excluding VAT as some bidders may not be VAT vendors.
- 3.5. The bidder must ensure the correctness & validity of the quotation:
- (i) *that the price(s), rate(s) & preference quoted cover all for the work/item (s) & accept that any mistakes regarding the price (s) & calculations will be at the bidder's risk*
 - (ii) *it is the responsibility of the bidder to confirm receipt of their quotation and to keep proof thereof.*
- 3.6. The bidder must accept full responsibility for the proper execution & fulfilment of all obligations conditions devolving on under this agreement, as the Principal (s) liable for the due fulfilment of this contract.
- 3.7. This quotation will be evaluated based on the 80/20 points system, specification, correctness of information and/or functionality criteria. All required documentation must be completed in full and submitted.
- 3.8. Offers must comply strictly with the specification.
- 3.9. Only offers that meet or are greater than the specification will be considered.
- 3.10. Late offers will not be considered.
- 3.11. Expired product/s will not be accepted. All products supplied must be valid for a minimum period of six months.
- 3.12. Used/ second-hand products will not be accepted.
- 3.13. A bidder not registered on the Central Suppliers Database or whose verification has failed will not be considered.
- 3.14. All delivery costs must be included in the quoted price for delivery at the prescribed destination.
- 3.15. Only firm prices will be accepted. Such prices must remain firm for the contract period. Non-firm prices (including rates of exchange variations) will not be considered.
- 3.16. In cases where different delivery points influence the pricing, a separate pricing schedule must be submitted for each delivery point.
- 3.17. In the event of a bidder having multiple quotes, only the cheapest according to specification will be considered.
- 3.18. Verification will be conducted to identify if bidders have multiple companies and are cover-quoting for this bid.
- 3.19. In such instances, the Department reserves the right to immediately disqualify such bidders as cover-quoting is an offence that represents both corruption and acquisition fraud.

4. SPECIAL INSTRUCTIONS AND NOTICES TO BIDDERS REGARDING THE COMPLETION OF THIS QUOTATION.

- 4.1. Unless inconsistent with or expressly indicated otherwise by the context, the singular shall include the plural and vice versa and with words importing the masculine gender shall include the feminine and the neuter.
- 4.2. Under no circumstances whatsoever may the quotation/bid forms be retyped or redrafted. Photocopies of the original bid documentation may be used, but an original signature must appear on such photocopies.
- 4.3. The bidder is advised to check the number of pages and to satisfy himself that none are missing or duplicated.
- 4.4. Quotations submitted must be complete in all respects. However, where it is identified that information in a bidder's response is incomplete in any respect, the said supplier meets all specification requirements and is lowest to quote, the Department reserves the right to request the bidder to complete/submit such information.
- 4.5. Any alteration made by the bidder must be initialled; failure to do so may render the response invalid.
- 4.6. Use of correcting fluid is prohibited and may render the response invalid.
- 4.7. Quotations will be opened in public as soon as practicable after the closing time of quotation.
- 4.8. Where practical, prices are made public at the time of opening quotations.
- 4.9. If it is desired to make more than one offer against any individual item, such offers should be given on a photocopy of the page in question. Clear indication thereof must be stated on the schedules attached.
- 4.10. The Department is under no obligation to pay suppliers in part for work done if the supplier can no longer for fulfil their obligation.

5. SPECIAL INSTRUCTIONS REGARDING HAND DELIVERED QUOTATIONS

- 5.1. Quotation shall be lodged at the address indicated not later than the closing time specified for their receipt, and in accordance with the directives in the quotation documents.
- 5.2. Each quotation shall be addressed in accordance with the directives in the quotation documents and shall be lodged in a separate sealed envelope, with the name and address of the bidder, the quotation number and closing date indicated on the envelope. The envelope shall not contain documents relating to any quotation other than that shown on the envelope. If this provision is not complied with, such quotations/bids may be rejected as being invalid.
- 5.3. All quotations received in sealed envelopes with the relevant quotation numbers on the envelopes are kept unopened in safe custody until the closing time of the quotation/bids. Where, however, a quotation is received open, it shall be sealed. If it is received without a quotation/bid number on the envelope, it shall be opened, the quotation number ascertained, the envelope sealed and the quotation number written on the envelope.
- 5.4. A specific box is provided for the receipt of quotations, and no quotation found in any other box or elsewhere subsequent to the closing date and time of quotation will be considered.
- 5.5. No quotation/bid sent through the post will be considered if it is received after the closing date and time stipulated in the quotation documentation, and proof of posting will not be accepted as proof of delivery.
- 5.6. Quotation documents must not be included in packages containing samples. Such quotations may be rejected as being invalid.

6. SAMPLES

- 6.1. In the case of the quote document stipulating that samples are required, the supplier will be informed in due course when samples should be provided to the institution. (This decreases the time of safety and storage risk that may be incurred by the respective institution). The bidders sample will be retained if such bidder wins the contract.
 - (i) If a company/s who has not won the quote requires their samples, they must advise the institution in writing of such.
 - (ii) If samples are not collected within three months of close of quote the institution reserves the right to dispose of them at their discretion.
- 6.2. **Samples must be made available when requested in writing or if stipulated on the document.**
 - (i) If a Bidder fails to provide a sample of their product on offer for scrutiny against the set specification when requested, their offer will be rejected. All testing will be for the account of the bidder.

7. COMPULSORY SITE INSPECTION / BRIEFING SESSION

7.1. Bidders who fail to attend the compulsory meeting will be disqualified from the evaluation process.

- (i) The institution has determined that a compulsory site meeting N/A take place
- (ii) Date / / Time : Place

Institution Stamp:	Institution Site Inspection / briefing session Official Full Name: Signature: Date:
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8. STATEMENT OF SUPPLIES AND SERVICES

8.1. The contractor shall, when requested to do so, furnish particulars of supplies delivered or services executed. If he/she fails to do so, the Department may, without prejudice to any other rights which it may have, institute inquiries at the expense of the contractor to obtain the required particulars.

9. SUBMISSION AND COMPLETION OF SBD 6.1

9.1. Should a bidder wish to qualify for preference points they must complete a SBD 6.1 document. Failure by a bidder to provide all relevant information required, will result in such a bidder not being considered for preference point's allocation. The preferences applicable on the closing date will be utilized. Any changes after the closing date will not be considered for that particular quote.

10. TAX COMPLIANCE REQUIREMENTS

- 10.1. In the event that the tax compliance status has failed on CSD, *it is the suppliers' responsibility to provide a SARS pin in order for the institution to validate the tax compliance status of the supplier.*
- 10.2. In the event that the institution cannot validate the suppliers' tax clearance on SARS as well as the Central Suppliers Database, *the quote will not be considered and passed over as non-compliant according to National Treasury Instruction Note 4 (a) 2016/17.*

11. TAX INVOICE

11.1. A tax invoice shall be in the currency of the Republic of South Africa and shall contain the following particulars:

- | | |
|--|--|
| (i) the name, address and registration number of the supplier; | (iv) a description and quantity or volume of the goods or services supplied; |
| (ii) the name and address of the recipient; | (v) the official department order number issued to the supplier; |
| (iii) an individual serialized number and the date upon which the tax invoice is issued; | (vi) the value of the supply, the amount of tax charged; |
| | (vii) the words tax invoice in a prominent place. |

12. PATENT RIGHTS

The supplier shall indemnify the **KZN Department of Health** (hereafter known as 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.

13. PENALTIES

- 13.1. If at any time during the contract period, the service provider is unable to perform in a timely manner, the service provider must notify the institution in writing/email of the cause of and the duration of the delay. Upon receipt of the notification, the institution should evaluate the circumstances and, if deemed necessary, the institution may extend the service provider's time for performance.
- 13.2. In the event of delayed performance that extends beyond the delivery period, the institution is entitled to purchase commodities of a similar quantity and quality as a substitution for the outstanding commodities, without terminating the contract, as well as return commodities delivered at a later stage at the service provider's expense.
- 13.3. Alternatively, the institution may elect to terminate the contract and procure the necessary commodities in order to complete the contract. In the event that the contract is terminated the institution may claim damages from the service provider in the form of a penalty. The service provider's performance should be captured on the service provider database in order to determine whether or not the service provider should be awarded any contracts in the future.
- 13.4. 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.

14. TERMINATION FOR DEFAULT

- 14.1. 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:
- (i) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract,
 - (ii) if the supplier fails to perform any other obligation(s) under the contract; or
 - (iii) if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
- 14.2. 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.
- 14.3. 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.

15. FAILURE TO COMPLY WITH ABOVE WILL RESULT IN YOUR QUOTE BEING PASSED OVER.

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

This preference form must form part of all quotes 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 quotes:

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

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

1.3 Points for this quote shall be awarded for:

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

1.4 The maximum points for this quote is allocated as follows:

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

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

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

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;

3. POINTS AWARDED FOR PRICE

3.1 THE 80/20 PREFERENCE POINT SYSTEMS

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

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

- P_s = Points scored for price of bid under consideration
- P_t = Price of bid under consideration
- P_{min} = 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

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
applicable box)

(Tick

YES	NO
-----	----

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

7.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted..... %
- ii) The name of the sub-contractor.....
- iii) The B-BBEE status level of the sub-contractor.....

8. Whether the sub-contractor is an EME or QSE

(Tick applicable box)

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

YES	NO
-----	----

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		
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9. **DECLARATION WITH REGARD TO COMPANY/FIRM**

9.1 Name of company/firm:.....

9.2 VAT registration number:.....

9.3 Company registration number:.....

9.4 **TYPE OF COMPANY/ FIRM [TICK APPLICABLE BOX]**

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

9.5 **DESCRIBE PRINCIPAL BUSINESS ACTIVITIES**

.....

9.6 **COMPANY CLASSIFICATION [TICK APPLICABLE BOX]**

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

9.7 Total number of years the company/firm has been in business:.....

9.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of 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.

<p>WITNESSES</p> <p>1.</p> <p>2.</p>

<p>.....</p> <p>SIGNATURE(S) OF BIDDERS(S)</p> <p>DATE:</p> <p>ADDRESS.....</p> <p>.....</p> <p>.....</p>
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KWAZULU-NATAL
DEPARTMENT OF HEALTH

NIEMEYER MEMORIAL HOSPITAL UTRECHT

REPLACE AIRCONDITIONER AT MOBILE CLINIC AND CCTV CAMERA ROOM

PART ONE
QUOTATION FORM

TO BE COMPLETED BY THE CONTRACTOR AND SUBMITTED TO:

SUPPLY CHAIN OFFICE
NIEMEYER MEMORIAL HOSPITAL
PRIVATE BAG X1004
UTRECHT
2980
FOR ATTENTION: MR SM ZULU

I/We hereby quote for the following service in accordance with the conditions as specified in the contract.

REPLACE AIRCONDITIONER AT MOBILE CLINIC AND CCTV CAMERA ROOM

A: Equipment and material including mark-up and VAT. R.....

B: Labour, travelling, subsistence and transport including VAT. R.....

A+B Fixed price for scope of the works quoted for,
Valid for 90 days from date of quotation: including VAT. @15%.....

(Should there be any additions or omission to the works quoted for, this price shall be adjusted accordingly.)

Time required for completion of service as specified from receipt of official order:-

Lead Time.....

Site time.....

Total time.....

Contractor's signature

.....

Name in block letters

.....

Date

.....

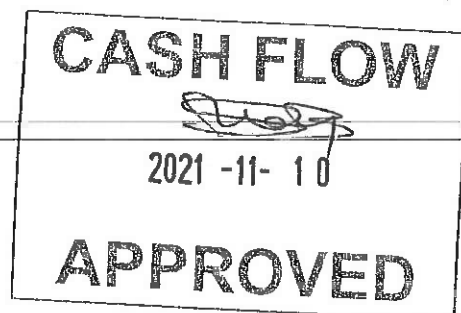
Company name & address

.....

.....

.....

.....



KWAZULU-NATAL
DEPARTMENT OF HEALTH
NIEMEYER MEMORIAL HOSPITAL UTRECHT

SUPPLY AND INSTALL AIRCONDITIONING 1X18000BTU at Mobile parkhome and 9000btu at
CCTV CAMERA ROOM

PART THREE
TECHNICAL SPECIFICATION FOR THE
INSTALLATION OF AIRCONDITIONING UNIT

3.1 SCOPE OF CONTRACT

This specification calls for the complete supply, delivery to site installation, testing and commissioning of three air-conditioning units at Niemeyer Memorial Hospital.

The complete installation shall include all necessary refrigerant piping, support branches and any other materials or equipment necessary to complete the installation.

3.2 GENERAL REQUIREMENTS

3.2.1 Tenderers are to make special note of the following:-

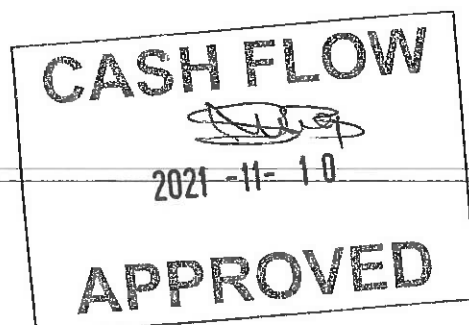
- a) *All builders work within this contract will be the responsibility of the contractor.*
- b) *Contractors are advised to visit the site to acquaint themselves fully with the nature and the full extent of the work involved. Claims on the ground of insufficient information will not be entertained*
- c) *All visible inter-connecting refrigerant piping, condensate drain piping and electrical cables within the building shall be connected in PVC or sheet metal trunking.*
- d) *Competent workmen skilled in their trades shall carry out all work. Quality shall be of the best standard and all workmanship will be subject to the approval of the Hospital Maintenance manager*
- e) *All apparatus, component parts, fittings and material employed in the execution of the contract shall be new and unused and shall be of the latest type or pattern of the particular manufacture specified. SABS mark bearing items shall be used wherever possible.*
- f) *During the process of the work the contractor shall carefully clean up all debris and leave the premises and portion of the building in which his men have been working clean and free of debris.*

3.3 OPERATING AND MAINTENANCE MANUALS

The contractor shall provide two sets of operating maintenance manuals for the air-conditioning unit installed. The manuals shall include manufacturer literature , maintenance procedure and operating instructions.

3.4 PRINCIPAL ITEMS OF WORK INCLUDE

- a) *TWO underceiling split unit (single phase) with inter-connecting refrigerant piping , cables and remote controls, supports brackets etc.*
- b) *PVC condensate drain piping ,brackets etc*
- c) *All necessary electrical work as specified hereinafter.*
- d) *Commissioning and testing of the complete installation .*
- e) *Any item specifically mentioned hereinafter.*



BS

3.5 AIR-CONDITIONING SPLIT UNIT

3.5.1 TYPE AND CAPACITY

A) Supply and install TWO cooling only under-ceiling (2) split type air-conditioning(single phase) at MOBILE CLINIC , CCTV CAMERA room at Niemeyer hospital. The exact position of the unit will be discussed with Maintenance Manage. The condensing unit shall be mounted on the external wall of the building which is five metres distance from the position of the air handling units

COOLING: 18000 BTU and 9000BTU SPLIT UNIT

3.5.2 HEATING: 18000BTU and 9000 BTU SPLIT UNIT

Where specified, heating shall be by means of reverse cycle (heat pump)only.

3.5.3 CONTROLS

The under ceiling split type air-conditioner units (single phase) shall have their control fitted into attractive, remote surface mounted control boxes

3.5.4 SUPPORT BRACKET

The split unit condensing unit support brackets shall be hot dipped galvanized after manufacturer

3.6 REFRIGERANT PIPING

The inter-connecting refrigerant piping between the condensing units and the air handling units shall be of the best quality refrigerant class copper tubing, suitably size for unit installed. All fittings shall be copper or brass. Refrigerant quality fittings, welded to the copper tubing using good quality SILFOS or SILVER SOLDER welding rod.

The suction and liquid lines shall be completely insulated against ambient temperatures to prevent condensation drip.

The piping shall be neatly saddled through out the entire pipe run, and saddles shall be spaced at interval of not more than one (1) metre.

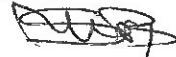
Pipe runs shall be neat and the quality workmanship shall be employed.

All visible refrigerant piping within the building shall be run in suitably sized PVC or sheet-metal trunking . This trunking shall be supplied and fixed by contractor. If the sheet-metal trunking is used then the trunking shall be painted to match the color of the wall on which it is mounted.

3.7 CONDENSATE

The condensate from the air-conditioning unit shall be piped away in PVC tubing. The condensate piping shall be neatly saddled through out the entire run, spaced at interval as per the manufacturer recommendation.

AS

CASH FLOW

2021 -11- 10
APPROVED

3.8 ELECTRICAL WORK

The contractor will supply all the electrics to air-handling units and the external condenser unit inclusive of the supply, installation, fitting of the suitably size isolator mounted adjacent to the air-handling unit.

The supply feeding the new under-ceiling units must be 2.5m single phase supply run in 20mm galvanized Bosal tubing and to be run from the nearest D/B.

A single phase 20amps 5Ka curve (2) circuit breaker to be installed in D/B for the new air-conditioner units.

A single phase isolator (2) in York box to be mounted next to the air-handling unit

Should it prove to be necessary new points must be tubed and wired from D/B in the adjacent foyer. Suitably size circuit breakers must be supplied and installed by contractor.

Contractor is to allow for the testing and issuing of COC(Certificate of compliance)for the electrical work.

BUILDER WORK

All builders work necessary in the contract e.g. forming of holes through the walls, marking good, etc. will be the responsibility of the contractor.

Contractor is to visit site to take all measurements for materials that is necessary to complete the installation.


4. SCHEDULE OF EQUIPMENT

MAKE	SUMSUNG/EQUIVALENT
MODEL	
COOLING CAPACITY	
REFRIGERANT	
TYPE OF HEATING	

SIGNATURE OF TENDERER:.....

DATE:

AS

CASH FLOW

2021 -11- 10
APPROVED

NIEMEYER MEMORIAL HOSPITAL

REPLACE AIR-CONDITIONER AT MOBILE CLINIC AND CCTV CAMERA ROOM

PART FOUR
SCHEDULE OF PRICES

4.1 MATERIALS, EQUIPMENT AND INSTALLATION

4.1.1	Price for supply and install to site 1x 18000btu and 1x9000btu air-conditioning units as specified under item 3.5.1 of part 1 of the specification	R
4.1.2	Price for other material and equipment necessary to complete work as specified	R
4.1.3	Install electrical supply from D/B to air-conditioner and allow for 20amp x2 circuit breaker for each air-conditioner	R
4.1.4	Supply and install 2x 30 amps double isolator (water tight)	R
4.1.5	Compliance certificate for electrical work	R
	SUB- TOTAL	R
	% MARK UP	R
	15% VAT	R
	TOTAL C/F TO PAGE 1/1	R

RS

CASH FLOW

~~2021~~
2021 -11- 10

APPROVED