




**PART A
INVITATION TO BID**



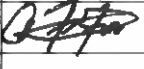
YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT / PUBLIC ENTITY)					
ID NUMBER:	SCMU3-20/21-0181-DNG	CLOSING DATE:	20-11-2020	CLOSING TIME:	11h00
BRIEFING ENUE:	DINING HALL CLOSE TO MAIN KITCHEN, AT 11H00., DORA NGINZA REGIONAL HOSPITAL, SPONDO ROAD, ZWIDE LOCATION, PORT ELIZABETH	BRIEFING DATE:	09-11-2020	BRIEFING TIME:	11h00
DESCRIPTION	SUPPLY, DELIVER, INSTALLATION AND COMMISSIONING OF BEDHEADS SYSTEM AT DORA NGINZA REGIONAL HOSPITAL				
ID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
TT: SCM TENDER BOX (OLD EMS BUILDING AT THE BACK OF DORA NGINZA HOSPITAL)					
DORA NGINZA REGIONAL HOSPITAL					
PONDO STREET					

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO		TECHNICAL ENQUIRIES MAY BE DIRECTED TO:	
CONTACT PERSON	SKHUMBUZO MALKUMESE	CONTACT PERSON	SKHUMBUZO MALKUMESE
TELEPHONE NUMBER	041 406 4463	TELEPHONE NUMBER	skhumbuzo.malkumese@echealth.gov.za
FACSIMILE NUMBER	041 406 4441	FACSIMILE NUMBER	041 406 4441
E-MAIL ADDRESS	skhumbuzo.malkumese@echealth.gov.za	E-MAIL ADDRESS	

SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
AT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS		TAX COMPLIANCE SYSTEM PIN:			
		OR	CENTRAL SUPPLIER DATABASE No:	MAAA	
B-BBEE STATUS LEVEL	TICK APPLICABLE BOX	B-BBEE LEVEL	STATUS SWORN	[TICK APPLICABLE BOX]	

	SIGNATURE	DATE
DRAFTED BY:		12.10.2020
RECOMMENDED BY:		12.10.2020
REVIEWED BY:		
APPROVED BY BSC COMMITTEE (CHAIRPERSON)		19.10.2020
ADVERT APPROVED BY:		

VERIFICATION CERTIFICATE	<input type="checkbox"/> Yes <input type="checkbox"/> No	AFFIDAVIT	<input type="checkbox"/> Yes <input type="checkbox"/> 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 OF SOUTH AFRICA FOR THE GOODS SERVICES WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS			
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?		<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE A BRANCH IN THE RSA?		<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?		<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?		<input type="checkbox"/> YES <input type="checkbox"/> NO	
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?		<input type="checkbox"/> YES <input type="checkbox"/> NO	
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.			

	SIGNATURE	DATE
DRAFTED BY:		13/10/2020
RECOMMENDED BY:		17/10/20
REVIEWED BY:		
APPROVED BY BSC COMMITTEE (CHAIRPERSON)		13/10/2020
ADVERT APPROVED BY:		

**PART B
TERMS AND CONDITIONS FOR BIDDING**

1. BID SUBMISSION:

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED--(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.**
- 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
- 1.4. **THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).**

2. TAX COMPLIANCE REQUIREMENTS

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




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

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:

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

DATE:

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APPROVED BY BSC COMMITTEE (CHAIRPERSON):		13.10.2020
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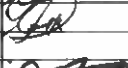

Schedule K- Preference Points Claim Forms (SBD 6.1)

2. DEFINITIONS

The rules of interpretation and defined terms contained in the General Conditions of Contract (GCC) shall apply to this invitation to bid unless the context requires otherwise.

In addition the following terms used in this invitation to bid shall, unless indicated otherwise, have the meanings assigned to such terms in the table below.

ECDoh	means the Eastern Cape Department of Health acting for and on behalf of the Eastern Cape Provincial Government;
Invitation to bid	means this invitation to bid comprising <ul style="list-style-type: none">◦ The cover page and the table of content and definitions◦ Part 1 which details the Conditions of Bid;◦ Part 2 which details the Conditions of Contract and Operational Requirements;◦ Part 3 which details the bid strategy◦ Part 4 which details the Specification relating to the Technology / Services◦ Part 5 which contains all the requisite bid forms and certificates; As read with GCC– <i>General Conditions of Contract</i>
Goods	means the requirements defined on the cover page of this invitation to bid and described in detail in the Specifications;
Specifications	means the specifications contained in Part 4 of this invitation to bid;

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PART 1
Conditions of Bid

1. BACKGROUND AND INTRODUCTORY PROVISIONS

The Department intends to engage suitably qualified suppliers to supply, deliver, installation and commissioning of bedheads system at Dora Nginza Regional Hospital Port Elizabeth (Nelson Mandela Municipality) in the Eastern Cape.

2. OFFER AND SPECIAL CONDITIONS

2.1 Without detracting from the generality of clause 2.2 below, bidders must submit a completed and signed Invitation to Bid form (SBD 1) and requisite bid forms attached as Part 5 with their bids.

2.2 **All bids submitted in response to this invitation to bid should incorporate all the forms, parts, certificates and other documentation forming part of this invitation to bid, duly completed where required.**

2.3 In the event that any form or certificate provided in Part 5 of this invitation to bid does not have adequate space for the bidder to provide the requested details, the bidder should attach an annexure to such form or certificate on which the requested details should be provided and the bidder should refer to such annexure in the form or certificate provided.

3. CLOSING TIME OF BIDS AND PROVISIONS RELATING TO SUBMISSION OF BIDS

3.1 The closing time for the receipt of bids in response to this invitation to bid is detailed on the cover page of this invitation to bid.




3.2 All bids must be submitted in a sealed envelope bearing the bid number, bid description and closing date.

3.4 All bids must be received before the closing time and date stipulated above and must be posted to or deposited in the bid box at the address detailed on the cover page of this invitation to bid.

4. ENQUIRIES

Should any bidder have any enquiries relating to this invitation to bid, such enquiries may only be addressed to the person/s detailed on the cover page to this invitation to bid at the number/s stipulated.

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5. BID BRIEFING

5.1 **A compulsory briefing meeting will be held on 09-11-2020 at Dora Nginza Regional Hospital – Dining Hall close to Main kitchen, Spondo Street PE (NELSON MANDELA MUNICIPALITY) at 11H00.**

5.2

5.3 The purpose of the briefing meeting shall be to enable the prospective bidders to acquaint themselves with the requirements relating to the Service.

5.4 Any bidder who fails to attend the compulsory briefing meeting will be disqualified.

5.5 **Bidders will be required to sign the Bid Briefing Attendance Register on the date of the briefing meeting. Signature of these documents will constitute proof of compliance with this condition.**

6. TAX CLEARANCE

Tax clearance Compliance Verification will be done with the CSD and SARS.

7. PRICING

7.1 The bidder must submit details regarding the bid price for Goods/Services on the Pricing Schedule form/s attached as Part 5 – Schedule C which completed form/s must be submitted together with the bid documents.

7.2 **Pricing must be stipulated INCLUSIVE OF VALUE ADDED TAX**

7.3 It is an express requirement of this invitation to bid that the bidders provide some transparency in respect to their pricing approach. In this regard, bidders must indicate the basis on which they have calculated their pricing by completing all aspects of the Pricing Schedule form Part 5 – Schedule C.

8. DECLARATION OF INTEREST

The bidder should submit a duly signed declaration of interest (SBD 4) together with the bid. The declaration of interest is attached as Part 5 – Schedule D.

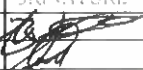


9. DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

The bidder must complete the declaration and sign accordingly to submit with the bid. The declaration of bidder's past supply chain management practices is attached as Part 5 – Schedule E(i)

10. CERTIFICATE OF BID DETERMINATION

Bidders must complete the declaration and sign accordingly to sub with the bid the Declaration of Bid Determination attached as Part 5 – Schedule E (ii).

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11. QUALIFICATIONS OF BIDDERS

Bidders must submit detailed information that is reference letter together with their bid of their experience in the relevant trade together with present contracts (**description of contract, contract period, contact person and telephone numbers**). These details should be submitted together with the bid on the form attached as Part 5 – Schedule F.

12. PARTNERSHIPS AND LEGAL ENTITIES

In the case of the bidder being a partnership, close corporation or a company all certificates (CK documents) reflecting the names, identity numbers and address of the partners, members or directors (as the case may be) must be submitted with the bid. These details should be submitted on the form attached as Part 5 – Schedule G.

13. CONSORTIUM/JOINT VENTURE

13.1 It is recognized that bidders may wish to form consortia to provide the Services.

13.2 A bid in response to this invitation to bid by a consortium shall comply with the following requirements:-

13.2.1 It shall be signed so as to be legally binding on all consortium members and must clearly stipulate the terms and conditions;

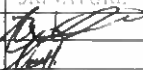


13.2.2 One of the members shall be nominated by the others as authorized to be the lead member and this authorization shall be included in the agreement entered into between the consortium members;

13.2.3 The lead member shall be the only authorized party to make legal statements, communicate with the Eastern Cape Department of Health (ECDoH) and receive instructions for and on behalf of any and all the members of the consortium;

13.2.4 **A copy of the agreement entered into by the consortium members shall be submitted with the bid.** Otherwise, the bid will be disqualified.

14. ORGANISATIONAL PRINCIPLES

The bidder should submit a clear indication of the envisaged authorized organisational principles, procedures and functions for an effective delivery of the required Service at the relevant Institutions with the bid. These details should be submitted on the form attached as Part 5 – Schedule H

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15. DETAILS OF THE PROSPECTIVE BIDDERS NEAREST OFFICE TO THE LOCATION OF THE CONTRACT

The bidder should provide full details regarding the bidders nearest office to the Institutions at which the Services are to be provided (see Part 4 of this invitation to bid). These details should be provided on the form attached as Part 5 – Schedule I which completed form, must be submitted together with the bid.

16. FINANCIAL PARTICULARS

Bidder must provide full details regarding its financial particulars and standing, which particulars should be submitted together with the bid on the form attached as Part 5- Schedule J. If no such details are submitted it would be assumed that the bidder is not in good standing with his/her financial institutions and his/her bid may be regarded as non-responsive. Bidders must submit financial statements that are not older than a year to assess financial viability.

17. PREFERENCE POINTS CLAIM FORMS

Part 5 – Schedule K contains the Preference Points Claim Forms in terms of Preferential Procurement Regulations to be completed and signed by the bidder to the extent applicable and returned with this bid.

18. VALIDITY

Bid documentation submitted by the bidder will be valid and open for acceptance for a period of **120 (one hundred and twenty)** calendar days from the closing date and time stipulated on the front cover of this invitation to bid.




19. ACCEPTANCE OF BIDS

The ECDoh does not bind itself to accept either the lowest or any other bid and reserves the right to accept the bid which it deems to be in the best interest of the State even if it implies a waiver by the State, the ECDoh, of certain requirements which the ECDoh, considers to be of minor importance and not complied with by the bidder.

20. NO RIGHTS OR CLAIMS

- 20.1 Receipt of the invitation to bid does not confer any right on any party in respect of the Services or in respect of or against the State, the ECDoh. The ECDoh reserves the right, in its sole discretion, to withdraw by notice to bidders any Services or combination of Services from the bid process, to terminate any party's participation in the bid process or to accept or reject any response to this invitation to bid on notice to the bidders without liability to any party. Accordingly, parties have no rights, expressed

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or implied, with respect to any of the Services as a result of their participation in the bid process.

- 21.2 Neither the State, the ECDoH, nor any of their respective directors, officers, employees, agents, representatives or advisors will assume any obligations for any costs or expenses incurred by any party in or associated with any appraisal and/or investigation relating to this invitation to bid or the subsequent submission of a bid in response to this invitation to bid in respect of the Services or any other costs, expenses or liabilities of whatsoever nature and incurred by bidders in connection with or arising out of the bid process.

22. NON DISCLOSURE, CONFIDENTIALITY AND SECURITY




- 22.1 The invitation to bid and its contents are made available on condition that they are used in connection with the bid process set out in the invitation to bid and for no other purpose. All information pertaining to this invitation to bid and its contents shall be regarded as restricted and divulged on a "need to know" bases with the approval of the ECDoH.
- 22.2 In the event that the bidder is appointed pursuant to this invitation to bid such bidder may be subject to security clearance prior to commencement of the Services.

23. ACCURACY OF INFORMATION

- 23.1 The information contained in the invitation to bid has been prepared in good faith. Neither the State, the Eastern Cape Provincial Government, the ECDoH nor any of their respective directors, advisors, officers, employees, agents, representatives make any representation or warranty or give any undertaking express or implied, or accept any responsibility or liability whatsoever, as to the contents, accuracy or completeness of the information contained in the invitation to bid, or any other written or oral information made available in connection with the bid and nothing contained herein is, or shall be relied upon as a promise or representation, whether as to the past or the future.
- 24.2 This invitation to bid may not contain all the information that may be required to evaluate a possible submission of a response to this invitation to bid. The bidder should conduct its own independent analysis of the operations to the extent required to enable it to respond to this bid.

24. COMPETITION

- 24.1 Bidders and their respective officers, employees and agents are prohibited from engaging in any collusive action with respect to the bidding process which serves to limit competition amongst bidders.

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DRAFTED BY:		13.10.2020
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ADVERT APPROVED BY:		

- 24.2 In general, the attention of bidders is drawn to Section 4(1)(iii) of the Competition Act 1998 (Act No. 89 of 1998) (the Competition Act) that prohibits collusive bidding.
- 24.3 If bidders have reason to believe that competition issues may arise from any submission of a response to this bid invitation they may make, they are encouraged to discuss their position with the competition authorities before submitting response.
- 24.4 Any correspondence or process of any kind between bidders and the competition authorities must be documented in the responses to this invitation to bid.

25. RESERVATION OF RIGHTS

- 25.1 Without limitation to any other rights of the ECDoH (whether otherwise reserved in this invitation to bid or under law), the ECDoH expressly reserves the right to:-
- 25.2 Request clarification on any aspect of a response to this invitation to bid received from the bidder, such requests and the responses to be in writing;
- 25.3 Amend the bidding process, including the timetables, closing date and any other date at its sole discretion;
- 25.4 Reject all responses submitted by bidders and to embark on a new bid process.
- 25.5 Award the bid to more than one bidder.

26. EVALUATION CRITERIA




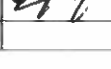
26.1 The bid will be evaluated as follows:

- Stage 1: Administrative compliance /pre-qualification
- Stage 2: Functionality
- Stage 3: Price and B-BBEE Points

The stages are further detailed below

27. Stage 1: Administrative Compliance/ Pre-qualification evaluation




- 27.1 ECDOH has defined minimum pre-qualification criteria that must be met by the Bidder in order for ECDOH to accept a bid for evaluation. In this regard a pre-qualification verification will be carried out by ECDOH in order to determine whether a bid complies in this regard.
- 27.2 Where the Bidder's bid fails to comply fully with any of the pre-qualification criteria, or ECDOH is for any reason unable to verify whether the pre-qualification criteria are fully complied with, ECDOH will have the right to either:

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- 27.2.1 reject the Bid in question and not to evaluate it at all;
- 27.2.2 give the Bidder an opportunity to submit and/or supplement the information and/or documentation provided by it under its Bid so as to achieve full compliance with the pre-qualification criteria, provided that such information and/or documentation can be provided within a period of 7 (seven) days, or such alternative period as ECDoH may determine, of it being requested by ECDoH and is administrative in nature, as opposed to forming a material part of the Bidder's Bid;
- 27.2.3 in any event permit the bid to be evaluated, subject to the outstanding information and/or documentation being submitted prior to the award of the Bid.

28. The following Pre-qualification criteria shall apply:

- 28.1 The bid documentation must be completed comprehensively and correctly.
- 28.2 Declaration forms (SBD 4, 8, 9) must be signed.
- 28.3 Bidders must have attended the compulsory Bid Briefing & Information Meeting and be recorded as such in the register.
- 28.4 Bidders must be a legal entity or partnership (consortia/joint ventures are acceptable subject to Paragraph 11 of Part 1 of the Bid Document).
- 28.5 Bidders must have provided supporting documentation as per the bid requirements.
- 28.6 Bidders must be registered on the Central Supplier Database (CSD), according to National Treasury SCM Instruction No 4A of 2016/2017 central supplier database the following information must be verified:
- a) Business registration, including details of directorship and membership
 - b) Bank account holder information
 - c) In the service of the state status
 - d) Tax compliance status
 - e) Identity number
 - f) B-BEEE status level
 - g) Tender defaulting and restriction status and
 - h) Any additional and supplementary verification information communicated by the National Treasury

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Prospective bidders are required to submit the following documentation for quality for Administrative compliance:

#	<i>Requirement</i>	Complied	
		YES	NO
A	Invitation to Bid (SBD1) completed and signed		
B	Pricing Schedule (SBD 3.1)		
C	Declaration of Interest (SBD 4)		
D	Preferential Points Claim (SBD 6.1)		
E	Declaration of Past SCM Practices (SBD 8)		
F	Certificate of Independent Bid Determination (SBD 9)		
G	Compulsory Briefing Session Certificate/Signed Briefing Register		
H	JV agreement (if applicable)		

NB: Failure to comply with item G, the above pre-qualification will invalidate the bid and the bid will not be evaluated further.

29. Stage 2: Functionality Evaluation

29.1 All points scored by qualifying bidders will not be taken into consideration for price evaluation.




The following evaluation Functionality Scoring Matrix is applicable. Prospective bidders are required to obtain a minimum threshold of **28 points** out of 40 points to proceed to the next stage of price evaluation. Any bidder(s) who do not meet the required threshold will be disqualified and not considered any further.

FUNCTIONALITY EVALUATION SCORING

Bidder must obtain a minimum threshold of 28 points out 40 points to proceed to the next stage.

A bidder who scores less than 28 points will not be considered further

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ITEM	CRITERIA	SUB-CRITERIA		
1	Previous experience provided in South Africa:	Score	Documentary Evidence to be attached.	Weight
	Experience	Working experience at this field 0-5 years = 5 6-10 years = 10 Above 10 = 25	Document description of contract, contract period, contact person and telephone numbers	25
2	LOCAL ECONOMIC DEVELOPMENT (LED)	Within Local Municipality (Nelson Mandela) = 15 points Provincial Level (Eastern Cape) = 5 points Out of the province (Eastern Cape) = 0	Municipal account (an affidavit which includes a confirmation from the Local Traditional chief/leader)/ Lease agreement	15
TOTAL				40

NOTE:

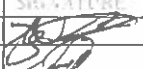


A bidder that scores less than 28 points out of 40 points with respect to functionality will be regarded as submitting a non-responsive bid and will be disqualified.

30. Stage 3: Price and Preference Evaluation

30.1. Responsive bids which comply to the 1st stage functionality evaluation will be evaluated on the 80/20-preference point system in terms of the Preferential Procurement Policy Framework Act, 2000 (Act 5 of 2000) and Regulation 4 of the Procurement Regulations. The 80 points will be allocated for price and 20 points for attaining the B-BBEE status level contributor.

The bid will be evaluated in terms of the 80/20 point system as stipulated in the Preferential Procurement Regulations, 2017. 80 points will be allocated for price and 20 points for attaining the B-BBEE status level of contributor.

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In terms of Regulation 6 of the Preferential Procurement Regulations pertaining to the Preferential Procurement Policy Act (Act 5 of 2000), responsive bids will be adjudicated by the department on the 80/20- preference points system in terms of which points are awarded to bidders on the basis of:

- The bid price (maximum 80 points)
- B-BBEE status level of contributor (maximum 20 points)

The following formula will be used to calculate the points for price:

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

Where

P_s = Points scored for comparative price of bid under consideration





P_t = Comparative price of bid under consideration

P_{min} = Comparative price of lowest acceptable bid




A maximum of 20 points may be allocated to bidders for attaining their B-BBEE status level of contributor 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

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- N.B:** Bidders are required to submit, together with their bids, original and valid B-BBEE status level verification certificates or certified copies to substantiate their B-BBEE rating claims.
- 30.2 A bid will not be disqualified from the bidding process if the bidder does not submit a certificate substantiating the B-BBEE status level of contribution or is a non- Compliant contributor. Such a bidders will score 0 out of maximum of 20 points for B-BBEE.
- 30.3 Bidders are required to complete the preference claim form (SBD 6.1), and submit their original and valid B-BBEE status level verification certificate or a certified copy thereof or a sworn affidavit by commissioner of oaths for Exempted Micro Enterprise (EME's) and Qualifying Small Enterprise (QSE's) at the closing date and time of the bid in order to claim the B-BBEE status level points.
- 30.4 The points scored by a bidder in respect of the level of B-BBEE contribution will be added to the points scored for price.
- 30.5 Only bidders who have completed and signed the declaration part of the preference claim form and who have submitted a B-BBEE status level certificate issued by an accredited verification agency will be considered for preference points.
- 30.6 The department may, before a bid is adjudicated or at any time, require a bidder to sub-ststantiate claims it has made with regards to preference.

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- 30.7 The total points scored will be rounded off to the nearest 2 decimals.
- 30.8 In the event that two or more bids have scored equal total points, the contract will be awarded to the bidder scoring the highest number of preference points for B-BBEE.
- 30.9 However, when functionality is part of evaluation process and two or more bidders have scored equal points including equal preference points for B-BBEE, the contract will be awarded to the bidder scoring the highest functionality.
- 30.10 Should two or more bids equal in all respects, the award shall be decided by drawing of lots.
- 30.11 A contract may, on reasonable and justifiable grounds, be awarded to a bid that did not score the highest number of points.

PART 2

Conditions of Contract and Operational Requirements

1. CONTRACT

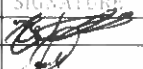
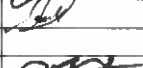
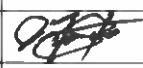
The contract for the supply of the required Service in terms of this invitation to bid shall come into being on the date of issue of the letter of acceptance of the bidders bid by the Eastern Cape Department of Health (ECDoH)

2. FEES AND CHARGES

- 2.1 Prices shall be firm for the period of project.
- 2.2 Payment of any consideration in terms of the contract shall not constitute acceptance of any defective or non-conforming Services or otherwise relieve contractor of any of its obligations under the contract.
- 2.3 To the extent that the ECDoH disputes the correctness, nature, extent or calculation of any fees or expenses payable to contractor in terms of the contract, ECDoH shall be entitled to withhold payment of such disputed amounts until such time as such dispute is resolved.

3. GENERAL RESPONSIBILITIES OF THE CONTRACTOR

- 3.1 The ECDoH's operational requirements.** The contractor shall, in the provision of the required service, have due regard to the operational requirements of the ECDoH and other parties occupying or operating from the relevant institution, and shall not do, or

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permit to be done, anything which may negatively impact on such parties' operational requirements.

3.2 Problem identification and reporting. The contractor shall be proactive in reporting any matters which it may become aware of which may impact on the business continuity or operations of the ECDoH at the relevant institution, clinic and office. Without detracting from the generality of this statement, contractor shall:-

3.3 Other Service Providers. The contractor acknowledges that it may be required to provide the Services in conjunction with third party service providers and shall, where requested by the ECDoH, co-operate fully with such persons.

3.4 Regulations and statutes. The contractor shall, in the provision of the Services observe and comply with all relevant provisions of all applicable legislation and regulations.

3.5 Compliance with procedures.

It is recorded that during the currency of the contract the ECDoH may implement procedures and policies at the relevant Institution. The contractor shall comply fully with any such reasonable procedures and policies, including the permit to work procedures and health and safety procedures.

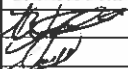


3.6 The contractor shall ensure that it and its personnel shall at all times comply fully with any safety, fire, emergency and security procedures and policies applicable at the relevant Institution.

3.7 Should the ECDoH at any time believe that any member of contractor's personnel is failing to comply with any such procedures or policies, the ECDoH shall be entitled to deny such personnel member access to the relevant premises and require contractor to replace such person without delay.

3.8 Contractor's procedures. The contractor shall, upon receipt of written request from the ECDoH or its appointed Technical Support Manager at **the relevant Institution** provide the ECDoH with copies of all contractor's operating procedures and processes relating to the Services;

3.9 Provision of Services in clean and tidy manner. The contractor shall ensure that the Services are provided in a clean and tidy manner.

3.10 Service reports: The contractor shall, upon written request from the DOH or its appointed. Hospital Manager, provide the DOH with such reports relating to the Service as may be stipulated in the Specifications, or as may be reasonably required by the DOH or its appointed Hospital Manager to determine whether contractor is providing the Services in accordance with the terms and conditions of the contract.

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4. HAZARDOUS MATERIALS

The contractor will be held liable for any expenses that may be incurred by the ECDOH as a result of damage to property and injury to personnel as a result of poor quality products.

5. FIRE RISKS

The contractor shall ensure that its personnel shall, if at any time they believe that any matter constitutes a fire risk, report this immediately to the ECDOH/Institution and take such remedial action as may be necessary.

6. ENERGY MANAGEMENT

The contractor shall comply fully with the energy management strategy implemented at the relevant Institution from time to time and shall provide the Services in an energy efficient manner.

7. OCCUPATIONAL HEALTH AND SAFETY




In this clause the term "Act" shall mean the Occupational Health & Safety Act, No. 85 of 1993, as amended from time to time, (including any act which may take its place should it be repealed during the currency of the agreement between the parties) as read with all regulations and standards promulgated in terms of the former Machinery and Occupational Act, No 6 of 1983, as amended, and all regulations & standards promulgated in terms of the Occupational Health & Safety Act from time to time;

The contractor:-

- ❖ acknowledges that he is fully aware of the terms and conditions of the Act;
- ❖ acknowledges that he is an employer in its own right with duties and responsibilities as prescribed in the Act;
- ❖ agrees to comply with all rules and regulations implemented by or on behalf of the ECDOH at the relevant Institution in covering letter relating to health and safety and will inform the ECDOH immediately should contractor for any reason be unable to comply with the provisions of the Act and such rules and regulations.

8. SERVICE LEVEL AGREEMENT

It is recorded that the ECDOH and the service provider may from time to time agree in writing to additional quality requirements (whether engaged in a service contract or when repair is required out of guarantee without the maintenance contract option) and

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standards relating to the maintenance together with performance measurement provisions, which quality requirements, performance measurement provisions shall be reduced to writing in a service level agreement if required and signed by both parties.

9. PERFORMANCE MEASUREMENT PROVISIONS

9.1 Introduction.

Contractor shall provide the Services during the term of the contract in compliance with the quality and related standards stipulated in the Specifications, Bid Conditions and the service level agreement (if any) contemplated in clause 11 above.

The provisions of Clause 10 document contains the manner in which contractor's performance will be measured throughout the term of the contract.

9.2 Compliance.

For purposes of the contract the compliance by contractor with the stipulated responsibilities and service standards will be determined:-




- with reference to reports provided by contractor;
- with reference to reports or complaints received from third parties;
- by means of user satisfaction surveys conducted by ECDoH
- by means of service reviews, inspections or any audit carried out by or on behalf of the ECDoH.

9.3 Records

Contractor shall at all times keep full and accurate records of all Services provided in terms of the contract and shall retain such records for the currency of the contract. Upon termination of the contract such records must be provided to the ECDoH upon request.

9.4 Measurement of performance

- Periodic checks: ECDoH and/or its appointed Technical Support Manager shall carry out periodic checks (the intervals to be determined by ECDoH) the purpose of which shall be to determine whether contractor is providing the Services in accordance with the terms and conditions of the contract if accepted by ECDoH.
- Service complaints: All service complaints, deviations, non-conforming services and suggestions that are reported to contractor by ECDoH, its appointed facilities

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ADVERT APPROVED BY:		

manager, or any other party shall be given proper and speedy consideration by contractor. The Contractor shall investigate complaints, deviations and non-conforming services in accordance with procedures approved by the ECDoH.

- User satisfaction survey: A user satisfaction survey shall be conducted by ECDoH at such intervals as ECDoH may determine to assess service user satisfaction. The user satisfaction survey shall be conducted in such form and in accordance with such procedures as the parties may agree to in writing from time to time.

9.5 Results of checks, audits and surveys

ECDoH shall be entitled to utilise the findings of the surveys, checks, audits and reports contemplated above to determine compliance by contractor with the service standards and responsibilities stipulated in the contract. It is recorded that the results of the above checks shall, save to the extent that contractor can prove otherwise be binding on contractor and ECDoH shall be entitled to exercise its remedies stipulated in the contract based on such findings.

10. BREACH AND TERMINATION




Bidders are referred to Paragraph 23 of General Conditions of Contract (GCC) relating to failure to comply with conditions of this contract.

11. LOSS AND DAMAGE

Contractor hereby indemnifies the State, and will hold the State harmless, against any loss or damages which the State may suffer, or any claims lodged against the State by any third party arising out of or relating to any loss that the State or such third party may suffer as a result of, or arising out of any act or omission of any personnel of contractor or the failure of contractor to provide the Services in accordance with the provisions of the contract.

12. SUB-CONTRACTORS

Contractor may only sub-contract its obligations under the contract with the prior written consent of the ECDoH (or any other authorized authority) and then only to a person and to the extent approved by the ECDoH or such authority and upon such terms and conditions as the ECDoH or such authority require. It is recorded that where such consent is given contractor shall remain liable to ECDoH for the performance of the Services.

	SIGNATURE	DATE
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PART 3
BID STRATEGY

**THE BID CALLS FOR SUPPLY, DELIVER, INSTALLATION AND COMMISSIONING OF
BEDHEADS SYSTEM AT DORA NGINZA REGIONAL HOSPITAL**

BACKGROUND

DORA NGINZA REGIONAL HOSPITAL treats approximately 651 patients daily

- If the supplier does not deliver after 2 months, there must be a reserve bidder (2nd highest bidder) available which can be approached to take over the contract.

SCOPE OF WORK

The Work covered by this contract comprises the supply, delivery, installation, testing and commissioning of the bed heads with electrical supply, and medical gas connections for the Beds wards as outlined in the schedule of quantities for the upgrade of Dora Nginza Hospital Neonatal Wards.

**DECLARATION OF THE BIDDERS ABILITY TO SUPPLY, DELIVER, INSTALLATION AND
COMMISSIONING OF BEDHEADS SYSTEM AT DORA NGINZA REGIONAL HOSPITAL**

We hereby declare that we, _____ (name
of the bidder), have the capacity and capability to SUPPLY, DELIVER, INSTALLATION AND
COMMISSIONING OF BEDHEADS SYSTEM AT DORA NGINZA REGIONAL HOSPITAL.

SIGNATURE OF BIDDER:

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	SIGNATURE	DATE
DRAFTED BY:		
RECOMMENDED BY:		
REVIEWED BY:		
APPROVED BY BSC COMMITTEE (CHAIRPERSON)		
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1 SCOPE OF WORK

The Work covered by this contract comprises the supply, delivery, installation, testing and commissioning of the bed heads with electrical supply, and medical gas connections for the Peads wards as outlined in the schedule of quantities for the upgrade of Dora Nginza Hospital Neonatal Wards to suite Covid-19 requirements, as detailed in this specification.

Summary of Work to be performed by Contractor




- a) To supply, deliver, install and commissioning of Bed head services in Dora Nginza Regional Hospital: Phase 2 section: B2-1 first two (2) wards (Peads). Shall be provided by means of surface horizontal mounted bed head trunking, and to be joined by surface trunking raiser to the ceiling void at the end of horizontal duct. The service trunking is to be neat, easily installed, and present an adaptable integrated installation for bed head services.
- b) Bed head service shall include electrical power points, communications, nurse call, examination lights, medical gas outlets and Information Technology data outlets.
- c) The service ducting shall be specifically suitable for either:
 - A 230 Volt, 50 Hz, earthed neutral supply, or
 - A 230 Volt, 50 Hz, isolated supply.
- d) An essential provision in the design of bed head service trunking is that once the necessary trunking covers have been opened, the removal and replacement of any component of the electrical or gas installation may be effected without being hindered by the obstruction of adjacent components or structures of the trunking. By this provision the time required by maintenance personnel for repair work at the bed side is reduced to a minimum.
- e) The ducts shall be made in every length of ducting to allow for any apparatus fitted to the outer duct to be wired through the ducting. All accessories should, where possible, be mounted on the accessories duct and not on the ceiling tiles. All Hospital ducting must be level, vertical and horizontal in all planes and also run in a straight line. Covers must be installed to assist with the alignment and the space between the ducting must be maintained with various spacers. All wiring must be up and over from duct to outlets and no conduits are to be cast into the floors.
- f) The supply and installation of bed head trunking shall be as detailed below in this specification.
 - 7m long complete with raiser.
 - 2 x 16A SSO on normal supply.
 - 1 x 2 pin SSO on normal supply.
 - 2 x 16A on essential supply.

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- 1 x 300 lux dimmable examination light night and switch.
 - 1 x nurse call point (to be installed in-between beds).
 - 2 x data outlet points (to be installed in-between beds).
 - 3 x medical gas provision (Medical LP air, Oxygen and Vacuum) outlets.
 - Making safe of LV Electrical Installations, namely:
 - Connection of LV supply cable feeding Paediatric wards electrical installations B2-1.
 - Performing and submission of test records and certificates.
- g) Issuing of certificates of compliance.

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- h) Three (3) sets of Operators and maintenance training and user documentation. 3x hard copy lever arch files and 1x soft copy on CD/DVD.

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- i) All other materials and labour necessary to complete the Works in full accordance with the specifications contained or referred to in this document. All safety notices, safety plan and safety equipment

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ADVERT APPROVED BY:		

TECHNICAL SPECIFICATION FOR BEDHEADS AND ELECTRICAL SERVICES

1 Works Information

The works carried out under this contract are governed by the:

- Standard Specification for the Works
- Detailed Specification for the Works
- Equipment Schedules
- Any relevant SABS Standard, local by-law, Eskom corporate specification and any national regulation promulgated by Act of Parliament such as the OHS Act 85 of 1993, whether specifically mentioned or referred to hereafter or not.

The Detailed Specification for the Works is bound in this indicating the extent of the works to be Bid for and completed.

2 Detailed Specification

The standard specification applies, unless otherwise indicated in this section.

The drawings issued herewith and listed in the applicable section are read in conjunction with the specification and all other documents included, together with all ancillary equipment necessary for the correct installation, operation and full compliance with the Standards and Codes is provided, notwithstanding the fact that they may not have been included in detail in these documents.

If a limited allowance is made in the Bid Sum for the supply or erection of any item of the installation, the limit or special conditions is defined at the time of Bidding.

It is the sole responsibility of the Contractor to ensure that all quotations obtained from manufacturers and suppliers are complete in their entirety and include all equipment and accessories necessary for compliance with current practice and the proper and efficient functioning of the installation.

If any such equipment, accessories and bracket, etc., have been omitted from a supplier's quotation, or incidental work is necessary, the Contractor should include for all work in the Bid.

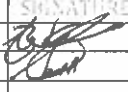
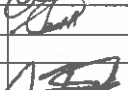
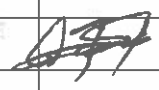
3 Drawings

Drawings have not been included in this Bid Document and the Bidder is required to visit the site to familiarize him/her to the extent of the work to be carried out.

Generally, the term "detail" shall mean that the drawing is exact in all aspects to what shall be provided. Where the term "illustration" is used, however, it shall be construed that the drawing is to be regarded as a proposal or guideline as to what is to be provided, manufactured or supplied

a. Bid Drawings

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APPROVED BY BSC COMMITTEE (CHAIRPERSON)		17.12.2020
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All drawings, those supplied loose, as well as those bound in, form part of this enquiry and are listed under "Drawings". It is the Bidder's responsibility to inform the Engineer as to the absence of any of these drawings.

b. Construction / Workshop Drawings

The successful Bidder shall submit construction drawings (or detailed catalogues) of the manufactured equipment, such as mounting details, etc., for consideration by the Engineer prior to manufacture/supply thereof.

Unless otherwise stated in the Standard Specification and / or the Detailed Specification the Contractor shall submit, in triplicate, installation drawings within 7 (seven) days after the signing of the Contract, to allow the Engineer to examine and approve them before equipment manufacture is started, or material delivered to site. Should the Engineer require that any drawing be amended, the Contractor shall make the necessary alterations and re-submit the drawing within 7 (seven) days.

The Contractor shall provide the Engineer with complete layout, installation and shop drawings, together with any necessary descriptions and specifications. Sufficient details shall be given to permit a full appraisal of all parts of the installation and their relation to the building structure.

Drawings shall give details of all foundations, ducts, chases, pits and openings and shall set out all lines and levels for the work (where applicable).

Delays caused by the submission of drawings or by an error, omission or inadequacy in these drawings, shall not be considered a reason for an extension of the Contract time.

The Contractor shall submit construction drawings of manufactured equipment, such as distribution boards, panels, etc., for consideration by the Engineer prior to manufacture thereof.

The Engineer's approval of construction or workmanship drawings does not relieve the Contractor of his responsibility with regards to any of the deviations from the requirements of this contract unless the Engineer has been clearly informed, in writing, of such deviations at the time of submission and the Engineer subsequently gives written approval for the specific deviation. Similarly, the Engineer's approval shall not relieve the contractor of responsibility for errors or omissions in the construction / workmanship drawings.

c. Record Drawings

The Contractor must prepare record drawings of the completed installation as constructed, indicating cable runs, equipment mounting details, circuiting & distribution board details, sleeve pipe positions, etc.




The contract shall not be deemed as complete until these drawings have been submitted. These drawings are to be submitted prior to Practical Completion date.

4 Alternative Offer

The Bidder must quote strictly in accordance with the Engineer's specification and drawings. Alternative offers will not be considered.

5 Programme

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The programme shall not go beyond the project duration of 1 (one) month.
The cost of overtime, additional labour and plant for the completion of the Works in accordance with the programme, must be included in the Bidder's price. The cost of any work outside the requirements of the programme or necessary under exceptional circumstances will be for the Employer's account only if covered by a variation order.

- Estimated Contract Duration - 1 (one) month
- Anticipated Practical Completion Date - 1 (one) month

6 Schedules of Information

The schedule of information contained in this document consists of 2 sections:

- Information supplied by the Engineer
- Information to be supplied by The Bidder at bid stage (bid form, information on the makes, types and ratings of equipment and materials offered, schedules of prices and rates for variations, schedules of quantities, etc. as applicable).

Bidders must complete, at the time of bidding, the "Schedule of Material Offered", and provide sufficient technical details to enable the equipment concerned to be identified without ambiguity.

It is not sufficient for a Bidder to state "as specified" in the schedules.

Failure to complete these schedules (if applicable) may render a bid invalid

a. The Contractor will be responsible for the following (if required):-

- a. All chasing works including all related mechanical conduiting
- b. Electrical manholes and covers
- c. PVC sleeves 32mm dia. to 160mm dia.
- d. Trenching and backfilling for MV and LV cables etc.
- e. Electrical Furniture Plinths
- f. Retrofitting of container as per layout drawing

7 Compliance with Regulations, Standards and codes




The Contractor shall arrange for all inspections and testing of the installation as required. All notices, fees, including inspection and re-inspection, are the responsibility of the Contractor and all the relevant costs shall be borne by him.

The workmanship throughout the Works will be to the satisfaction of the Employer. Any materials or workmanship considered as faulty or incorrectly or inadequately erected or repaired, will be substituted, altered or rectified to the satisfaction of the Employer, without additional cost to the Employer.

The Works shall be executed in strict accordance with the following Acts and Regulations:-

- a. All relevant by-laws and regulations of local authorities.
- b. National Building Regulations; S.A.N.S. 10400-Part O: 2011.

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- c. Code of Practice for the Wiring of Premises; S.A.N.S. 10142-1
- d. All relevant SANS, BS and other international standards,
- e. The Occupational Health and Safety Act of 1993 as amended (5th Edition).

8 Tests and Commissioning

Upon completion and commissioning of this contract, but before practical completion and handover, the Contractor allows for in his bid amount to provide the Engineer with a complete commissioning schedule indicating the actual test results and measurements of the following, for each separate installation as specified and installed under this contract:

a. Commissioning

A documented method shall be followed whereby the Contractor shall ensure that his installation is correctly constructed in accordance with the manufacturers' specifications, consultant's specification, consultant's design and all Codes of Practice and International Design Codes.

The commissioning procedure must allow for signing off of the major items of equipment by a qualified person in terms of the codes. These signed off documents will form part of the record drawings.

b. Performance Tests

The Contractor shall be responsible for the physical testing, in the manufacturing works, or on site, of the items of plant or systems as required by the Engineer. These tests shall be performed by the contractor or supplier of the equipment, and where called for, the Engineer shall witness such tests. The Engineer may also only witness a representative sample of the equipment tests. In any event, the contractor will supply documentary proof of full performance tests of all relevant equipment.

c. Acceptance Tests

Acceptance tests will be performed on site of the working system or sub system, to show that the Works, as installed, is functioning according to the specifications and design. The onus for the correct functioning of the systems is still on the Contractor irrespective of whether the Engineer has witnessed the acceptance tests or not.


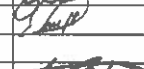

Prior to the system being taken into use, a certificate of compliance must be provided. The works shall not be deemed complete without this certificate.

d. Testing Equipment

Testing equipment required for the successful commissioning of the Works described herein is to be made available by the Contractor.

All arrangements for this equipment or instructing of testing specialists to undertake this work and all associated costs, including professional fees shall be deducted from money due to the Contractor.

Tests must be carried out in the presence of the Engineers, and the final inspection will be made by them on completion of the building contract at the practical completion Inspection.

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9 Samples

Bidders may be required to submit for approval, comment or records samples of materials, apparatus or components, and also drawings, schematic diagrams or technical details, including calculations, upon which their design and/or offer is based before any contract is awarded. Such details may also be called for during the course of the Contract prior to installation. Any approvals given or comments made shall be on the generality of the scheme and shall not relieve the Contractor of his responsibility to ensure the full compliance with all performance and regulatory criteria.

NOTE : A request for submission of samples or drawings does not imply that the Bidders quotation will necessarily be accepted.

Any particular make or model of equipment referred to in the Documentation is for guidance purposes only in setting standards / types / performances required; equipment that is equal or superior in all respects, and to the approval of the Engineer, may be offered by Bidders. No reference to any particular make of any equipment shall be construed as that equipment having been selected by the Engineer or Client and the Contractor shall be fully responsible for the guarantee and performance of such equipment.

10 Guarantee of the Installation

A twelve (12) month period on the specialist installation from date of practical completion.

11 Supervisory Staff and Identification

The Contractor is to appoint a representative in the form of a qualified engineer/technologist/technician, or other qualification and experience as approved by the consultant engineer and design team, as Contract Manager in supervisory charge of all work carried out under this Contract.

This Contract Manager is to be experienced in work of a similar nature. He is to be in continuous attendance on site from the commencement of works under this Contract, until the date of Practical Completion and hand-over to the Employer. He shall not be transferred to other work without the prior consent of the Engineers and the Employer. The Contractor is to vest in the Contract Manager the necessary authority to discuss with, accept from and execute, the Consulting Engineer's, or the Supervising Officer variation instructions as are found necessary from time to time.

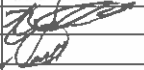


The Contracts Manager is to be supported by such staff as are appropriate and necessary for the proper execution of the works.

At all times while on the premises, all artisans and labour members of the contractor's staff will wear clothing adequately marked with the relevant contractor's name and which complies with current Health and Safety Requirements.

12 Operating and Maintenance Instructions

Three sets instruction manuals shall be provided. Each manual shall comprise of the following sections, bound in a vinyl plastic covered folder with the name of the project

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typewritten on a card inserted into a clear plastic covered cardholder on the front cover and spine and shall be handed to the Principal Contractor on completion of the installation:

- Table of Contents
- Functional Description of Plant (as installed)
- Operation of Plant (as installed – step by step instructions).
- Performance Testing Procedures including Test Report
- Maintenance Instructions (in schedule form setting out each item of plant, the description and frequency of maintenance operations required). Instructions on testing fire detection system must also be provided.
- Spare Parts (list of spare parts that shall be required, with detailed description of each part, make, model or part number and supplier's name and address).
- Descriptive Literature (for all items of plant and equipment).
- Record Drawings (of plant as installed to include plant layout drawings showing component location, control and wiring diagrams and schematic piping diagrams).

13 Site Meetings

The Contractor's representative shall be expected to attend an official site meeting at the onset of the project including scheduled technical and site meetings during the contract period. For meetings termed as "technical and site", a site representative is required and must be competent and able to interpret and receive and act on instructions on behalf of the contractor. The Bidder shall price all relevant P & G costs, overheads, travelling, etc. for these meetings.

14 Supervision, Workmanship, Delays and Making Good




The work shall at all times, for the entire duration of the contract, be executed under the supervision of a skilled and competent representative of the Contractor, who must be able and authorized to receive and execute instructions on behalf of the Contractor. This person must be a registered and accredited person, as described by the OHS Act. It must be noted that the staff complement of the Contractor shall remain similar throughout the duration of the contract, for all sections of the Works.

In the event that inferior materials or bad workmanship, on the part of the Contractor, leads to remedial work requiring redesign by the Engineer, the cost of this work, including related professional fees, shall be borne by the Contractor.

Similarly, should delays in the contract be caused by poor performance on the part of the Contractor causing the engineer to spend extraordinary time on the project, the extra costs incurred shall be borne by the Contractor.

These costs will be based on the ECSA hourly rate and will be deducted from claims due to from claims which will become due to the Contractor.

With exception of making good to the cut-outs and drilled holes for piping, the Contractor will carry out; in all instances any work to be made good such as damage to, or disturbance of

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the building installations caused by himself or his employees during the execution of the contract at his own cost.

15 Measurement

The Bidder shall not make any assumption regarding the installation. If there is any doubt or ambiguity, the Engineer must be consulted. The Bidder shall take cognizance of the fact that the Bills of Quantities is re-measurable and the quantities may be adjusted at the end of the contract.

All outlet boxes up to 100 x 100mm are measured as one item regardless of the number of entries. Conduit boxes shall always include the fixing to the conduit with lock and bush nuts as specified.

All switches and plug units shall include the fixing to conduit as specified. Outlet boxes shall be without covers and draw boxes shall include covers, screws, etc. Light switches, switch plugs, etc. shall include screws, cover plates and other equipment specified.

All fittings and accessories always include the connections thereto. All light fittings shall be complete with lamps and tubes, unless otherwise stated in the Bills.

300mm Additional length per conductor has been measured for conductors drawn into conduit, per termination point. Bidders must allow in their rate for any conductor lengths required for his own purposes, in addition to the 300mm measured.

All measurements are nett, unless otherwise stated, and Bidders must allow in the rate for wastage.

16 GENERAL LOW VOLTAGE INSTALLATION

a. LV Distribution Boards

All distribution boards will be supplied, wired and complete with all equipment of quantities, types, sizes and ratings as specified on the distribution board schematics, which are included in this document. The distribution boards shall be manufactured in accordance with the Standard Specification for Electrical Building Services.

The Contractor shall ensure on site and on the drawings, before commencing with any work that sufficient space and access is available to install the DB's as specified.

No additional claims for failure to check these details and rectify any default will be entertained.




Before handing over, the boards shall be thoroughly cleaned inside and outside. Finished surfaces shall be made good where necessary with identical paint to the original finish.

PVC sleeve pipes as indicated on the drawings shall be provided and built into the wall for incoming and outgoing cables.

b. LV Distribution Cables

All cables shall be in accordance with the Standard Specification. The cables shall be of sizes and construction as shown on the drawings.

The Contractor is advised to measure actual lengths of cable required on site before ordering as he will not be compensated for redundant cable or in fact any other material over supplied.

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c. Earthing

It is the Contractor's responsibility to ensure that the complete earthing system of the building is in accordance with the code of practice.

To this end the Contractor shall perform earth resistivity tests to ascertain which method of earthing is most suitable to ensure compliance with the code.

All metallic hot and cold water as well as waste pipes must be effectively bonded by 12,5 x 1,6 mm solid or perforated copper tape (not wire) clamped by means of brass screws at intervals not exceeding 150 mm.

The earth connection from the main earth bars of all the distribution boards must be made to the cold water mains and in the incoming service earth conductor or such conductor as the Engineer may direct. Where applicable all metallic roof sheeting as well metallic walkways and stairs shall be suitably earthed.

Furthermore, earth electrodes (earth spikes) of at least 1,5m long must be provided and driven in to the ground at least 1m from all the building's perimeter and shall clear all aprons and water channels. The earth spike must be driven into the ground at least 300mm below ground level. Only after final bonding and tests have been carried out must backfilling and compacting of same be executed.

The earth conductor must be bonded to the roof sheeting at intervals not exceeding 5m, ensuring that roof sheeting on both of the ridge are properly bonded.

The overall earth resistance at any distribution board shall not exceed 1 Ohm. The contractor shall access the soil and site conditions at the time of bidding and allow for this to enable him to perform the proper earthing and bonding of the installation.

d. Conduit, Wire ways and Accessories

i. Conduit

All conduit/outlet boxes and associated fittings for use in this installation will be SABS approved.

The Contractor must provide all conduit and accessories for the lighting, power, telephone, communications, computer and security systems, as shown on the drawings and as measured in the Bill of Quantities.




Flexible metallic tubing of galvanized steel shall be used for connections to water heaters, fans and other similar equipment. The corrugations of the tubing shall have a rectangular cross section suitable to fit standard brass connections.

ii. Power skirting

Power skirting has been utilised and shall be of sheet metal manufacture with clip-on covers, structured light beige. The body shall be hot dip galvanised. The power skirting shall be as specified "Conduit and Wireways Schedule".

iii. Wiring

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Lighting and Power wiring in conduit and channel wireways shall comprise 600/1000V single core PVC insulated copper wire sized in accordance with the distribution board schematics. Conductor outer sheaths shall be of the following colours:-

- | Phase Conductors : red, white, blue
- | Neutral : black
- | Earth : green

iv. Wall Switches and Switch Socket Outlets

All wall switches to be of the flush type complete with cover plates and screws in 100 x 50 x 50 extension outlet boxes mounted on the wall surfaces. Colours of outlet boxes and cover plates to match.

All surfaces mounted switch socket outlets to be in 100 x 100 x 50 extension outlet boxes mounted on the wall surfaces. Colours of outlet boxes and cover plates to match.

All switched socket outlets mounted in power skirting to have matching cover plates.

Further details of these outlets are listed in the Switch, SSO and Isolator Schedule.

The Contractor will be responsible for the installation of power points to feed equipment such as water heaters, air-conditioners, fans, security equipment, etc. This equipment, if supplied and installed by others, will be connected by the Contractor.

The cover plates to all outlets shall be fixed **AFTER** the final coat of paint has been applied.

The Bidder shall allow for this in his programme and pricing of the Works.

e. Luminaires, Standards and Photocells

The luminaires are detailed in the "Luminaire Schedule".

The Contractor shall comply with the installation requirements of the luminaire manufacturer.

The method of supporting the luminaires is to be approved by the Engineer prior to installation.

Photocells shall be installed in positions as indicated on the drawings. The photocell shall be mounted in a dummy luminaire as detailed in the luminaire schedule, or inside a kiosk behind a Perspex cover. The following specifics shall apply:-




- Activating Light Level : 50 lux
- De-activating Light Level : 90 lux
- Protection Rating : IP 44
- Rated Switching Load : 16 A




Protection against voltage surges will also be provided.

f. Telephone, Computer and Security Installations

If required, the Contractor will be responsible for the installation for conduit only. This will include all distribution boards, outlet boxes with cover plates and draw wires, all as indicated on the layout drawings.

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Schedule of contractors testing equipment:

Item	Test	Equipment
1	Insulation Resistance	
2	Earth Continuity	
3	Polarity	
4	Earth Leakage Protection	
5	MV VLF Pressure Test	
6	PILC DC Pressure Test	
7	Megger	

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CONTENTS PAGE

DESCRIPTION

Notice to Bidders

PW 379 Standard Conditions in respect of the Supply, Delivery and
Installation of Mechanical and Electrical Equipment, Plant and Materials

Section 1: General Specifications

Section 2: Installation Details

NOTICE TO BIDDERS

The Bidder for this contract shall submit additional information regarding the installer of the Mechanical Installation together with the returnables enclosed with the bid enquiry documents.

The contractor, on acceptance of his bid for the principal contract shall submit within the period stated, the information indicated on the forms following immediately after the Summary of the bills of quantities for this installation.

STANDARD CONDITIONS IN RESPECT OF THE SUPPLY, DELIVERY AND INSTALLATION OF MECHANICAL EQUIPMENT AND MATERIALS




1 TESTS AND FINAL COMPLETION

1.1 Tests

The contractor shall be responsible for the testing of the system and shall supply the necessary testing equipment. All tests shall be recorded and issue to the consult after the completion of the tests. The pre-commissioning test shall be witnessed by the engineer and identity tests shall be witnessed by a hospital representative/clinical technician/medical officer. The following tests will be required:

Test Description	Form to record tests	Specification reference
Leakage from the compressed air system	B3	1.1.1
Leakage into vacuum system	B4	1.1.2
Closure of Isolating valves	B5	1.1.3
Zoning of Isolating valves	B6	1.1.4
Cross-connection	B7	1.1.5
Flow and pressure drop at terminal units	B7	1.1.5
Mechanical function of	B7	1.1.5

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terminal units		
Gas specificity of terminal units	B7	1.1.5
NSIT connectors (Probes)	B7	1.1.5
Performance tests of the pipeline system	B8	1.1.6
Functional tests of supply system	B9	1.1.7
Pressure safety valves	B10	1.1.8
Warning system	B11	1.1.9
Record Drawings	B11	1.1.10
Filling with Medical air	B12	1.1.11
Purging and filling with specific gases	B13	1.1.12
Gas Identity	B14	1.1.13

1.1.1 Leakage from the Compressed air system

When the test commences, the installation should be satisfactory and all valves and fittings should be fitted. The test can be carried out in section at the same time. A suitable pressure measuring device shall be connected to the pipeline and the pipeline shall be filled with the testing gas. The filling of the test gas can also be used to measure the volume of gas. The pressure and temperature should be recorded at the beginning and at the end of the test period; results must be recorded in Form B3.

1.1.2 Leakage into Vacuum system

When the test commences, the installation should be satisfactory and all valves and fittings should be fitted. A vacuum gauge should be connected to the system. The vacuum supply should be running to maintain pipeline distribution pressure until the pipeline dries out. With the system at pipeline distribution pressure, isolate the vacuum supply system. The vacuum should be initially recorded and again after an hour. The results to be recorded in Form B4.




1.1.3 Closure of Isolating valves

When the test commences, the installation should be satisfactory and all valves and fittings should be fitted. A pressure measuring device must be connected to the system and the system should be at pipeline distribution pressure. All area valve service units should be closed. The pipeline downstream must be depressurised from the source to 1 bar pressure by opening a terminal unit valve. The total number of terminal units controlled by the AVSU (Area Valve Service Units) must be recorded. The terminal units must be checked for correctness in labelling and must be pressure tested. All results must be recorded in Form B5.

1.1.4 Cross Connection

These tests should be carried out on one pipeline at a time. All pipelines should be at atmospheric pressure and ASVUs should be open. A single pressure source should be used

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and connected to one pipeline at a time which should remain under pressure throughout the test. All results of the test should be recorded in Form B6.

1.1.5 Flow and Pressure drop at terminals

The following procedure must be followed:

- Before commencing the tests, check that the test equipment meets the requirements of pressure drop testing devices.
- Insert the test device into each terminal unit in turn on the system under test. Note that the pressure drop at the specified flow does not exceed 0.25% per hour.
- Check that the gas specific probe can be inserted, captured and released and that it does not swivel in horizontally mounted terminal units.
- Check that no gas is released at each terminal unit by the probes for all other gases used and that no probes can be engaged.
- Check that all NIST connectors (probes) accept the NIST probe for the correct gas and that mechanical connection is made. Check that the NIST probes for all other gases do not make mechanical connection.
- Note that the NIST self-sealing device functions correctly.
- NISTs incorporated in certified assemblies do not need to be tested.

All the results must be recorded in Form B7.




1.1.6 Performance Tests of the pipeline systems

During the performance test of the pipeline systems, all AVSUs should be open and tests should be carried out on system at a time. The procedure shall be, but not limited to, as follows:

- Insert leaks into selected terminal units, AVSUs and NISTs as required
- System must be operated so that the pressure/vacuum lines meet the specifications
- Gauge pressures at selected terminals must be checked so that they have the required or specified flows.
- Should the specification not be achieved, remedial work shall be required to comply with the specifications
- All results must be documented in form B8.

1.1.7 Functional tests of supply system

Oxygen, Nitrous Oxide and compressed air systems should be connected to normal and emergency supply power. The systems should be tested and shown to be operational on

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emergency power. All pipe work and joints should be tested for leaks at normal operating pressure. The compressed air plant should be tested for leaks during normal operation. All results of these tests should be recorded in form B9.

1.1.8 Pressure Safety valves

All safety valves should be checked for discharge capacity and that the pressure is set in accordance with the specifications. The certification documents supplied with the valves should be checked. All results should be documented in form B10.

1.1.9 Warning System Tests

All alarm warning systems should be fully installed and operational, each system shall be individually tested. Warning system shall also be checked and tested for operation under emergency power. All results should be documented in form B11.

1.1.10 Record drawings

The medical gas subcontractor shall be responsible for producing record drawings as installed. Form B12 shall be used to record the drawings.

1.1.11 Filling with Medical Air

When an indefinite period may elapse before the system is taken into use, it should first be tested for particulate contamination using medical air as the test gas. The results can be recorded in form B14 when the results are satisfactory.

1.1.12 Purging and filling with Specific Gas

Each system should be purged with the working gas on completion of all other satisfactory tests. Each pipeline should be connected to its source of supply with all ASVUs open. All test gasses should be disconnected. After purging, the systems can be filled and recorded on form B13.

1.1.13 Gas Identification, Quality and Purity check

All gas identification tests should be conducted, preferably, at the same time. The tests shall be at all terminals by the appointed responsible person from the department using their own medical gas analyser. Form B14 shall be used to record the results of the tests.

1.2 Medical Gas Piping Installation

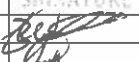


1.2.1 Identification and Packing

All straight pipe length tubes shall be the ends protected with red plastic caps to prevent ingress of foreign matter during storage and support. All straight length tubes shall be packed and delivered in timber cases of suitable size and capacity. All coiled tubes shall have their ends mechanically sealed and shall be marked M.G.

1.2.2 Compliance

The installation shall comply with the following standards:

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- SANS 7396-1:2009 Medical gas pipeline systems. Part 1: Pipeline system for compressed medical gases and vacuum
- SANS 7396-1:2009 Medical gas pipeline systems. Part 2: Anaesthetic gas scavenging disposal systems
- Standard specification and drawings for medical gas and vacuum services -Province of KwaZulu-Natal Department of Health (July 2004)
- SANS 1409:2014 Outlet sockets and probes for medical (gas and vacuum) services used in hospitals
- SANS 1453:2011 Copper tubes for medical gas and vacuum services
- SANS 460:2011 Plain-ended solid drawn copper tubes for potable water

1.2.3 Valves

All valves shall be ball valves with stainless steel bodies and balls; seals shall be Teflon or PTFE. The valves shall be factory tested and suitable for working pressures of 1000kPa. Holderbats shall be mounted on either side of the valve, on the pipeline, to secure the valves.

1.2.4 Fittings

Bends and tees must be manufactured out of wrought copper capillary fittings with internal stops.

2 CONTRACTOR'S LIABILITY IN RESPECT OF DEFECTS

2.1 Latent Defects Liability Period

As prescribed in Clause 52.3 of the GCC.




2.2 Maintenance of installations

With effect from the date of the Practical Completion Certificate the Contractor shall at his own expense undertake the regular servicing of the installation during the period stipulated and shall make all adjustments necessary for the correct operation thereof.

If during the said period the installation is not in working order for any reason for which the Contractor can be held responsible, or if the installation develops defects, he shall immediately upon being notified thereof take steps to remedy the defects or faults or to make any necessary adjustments.

Should such stoppages however be so frequent as to become troublesome, or should the installation otherwise prove unsatisfactory during the said period the Contractor shall, if called upon by the Representative / Agent, at his own expense replace the whole installation or such parts thereof as the Representative / Agent may deem necessary with apparatus specified by the Representative / Agent.

3 COMPLIANCE WITH REGULATIONS

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3.1 The installation shall be erected and tested in accordance with the following Acts and Regulations:

▮ SANS 10400 (2011) The Application of National Building Regulations

SANS 7396-1 (2009) Medical gas pipeline systems Part 1: Pipeline systems for compressed medical gases and vacuum.

▮ SANS 7396-2 (2008) Medical gas pipeline systems Part 2: Anesthetic gas

Scavenging disposal systems

▮ SANS 1453 (2011) Copper tubes for medical gas and vacuum services

▮ SANS 1409 (2008) Outlet sockets and probes for medical (gas and vacuum) services used in hospitals

▮ SANS 10140 (2003) Identification colour marking

▮ SANS 1091 National Colour Standard

▮ SANS 10224 Section 6. Master medical gas alarm system

MEDICAL GAS SYSTEM UPGRADES AT DORA NGINZA

SECTION 1: GENERAL SPECIFICATION FOR MEDICAL GAS INSTALLATION WORK

1 TESTS

After completion of the works and before practical completion is achieved, a full test will be carried out on the installation for a period of sufficient duration to determine the satisfactory working thereof. During this period the installations will be inspected and the Contractor shall make good, to the satisfaction of the Representative / Agent, any defects which may arise.

The Contractor shall provide all instruments and equipment required for testing and any water, power and fuel required for the commissioning and testing of the installations at completion.




In areas where there is existing medical gas system, it would be a requirement that it is tested prior the installation of the new takes place.

2 MAINTENANCE OF INSTALLATIONS

The maintenance period shall be twelve (12) months from the date of the Practical Completion.

If during the said period the installation is not in working order for any reason for which the Contractor is responsible, or if the installations develop defects, he shall immediately upon being notified thereof take steps to remedy the defects and make any necessary adjustments.

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Should such stoppages however be so frequent as to become troublesome, or should the installations otherwise prove unsatisfactory during the said period the Contractor shall, if called upon by the Representative / Agent, at his own expense replace the whole of the installations or such parts thereof as the Representative/Agent or the Director-General may deem necessary with apparatus specified by the Representative / Agent.

3 GENERAL

All workmanship and materials used in the installation shall be of the highest quality.

The contractor shall include all items required for the proper functioning of the medical gas plant.

4 MATERIALS, SAMPLES AND SHOP DRAWING

The successful Bidder shall check all design criteria and submit shop drawings (including builder' for approval which take into consideration available spaces, builders work requirements, access for maintenance purposes etc. The bidder is required to make allowance for builder's work as this not a building contract but mainly mechanical.

The requirements for proof of compliance with materials specifications, samples and shop drawings are:

- 1 Material specifications
- 1 Shop drawings

The contractor shall, on certain occasions, be required to provide samples on request by the Engineer.

5 COMMISSIONING AND TESTING

On completion of the installation, it shall be tested to the satisfaction of the Engineer and all results shall be recorded in the Operating and Maintenance manuals. All tests shall be recorded and completed on the test sheets document accompanying this document.

All balancing and testing shall be carried out by the Contractor entirely at his own expense, and all test instruments shall be checked for accuracy by the Manufacturers, Suppliers, or an approved Laboratory and certified copies of the certificates showing the degree of accuracy shall be supplied to the Engineer, if requested.

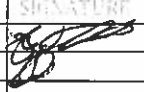
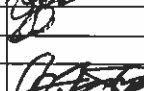

Gauges, thermometers, ammeters, and other instruments which form part of the permanent plant may be used for test purposes provided they are certified as accurate.

The Engineer shall have the right to inspect any item of equipment during manufacture or before delivery to site.

The Contractor shall balance, set, and test the entire plant and shall submit the results to the Engineer who shall then carry out spot checks in the presence of the Contractor.

6 ELECTRICAL WIRING

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Unless specifically stated otherwise in the project specification, the Contractor shall be responsible for all electrical work and control wiring associated with the air conditioning installation with the exception of the incoming power which will be provided by others.

All electrical work shall comply with the requirements of the local Municipal Authorities and the Code of Practice for the "Wiring of Premises" SANS 10142, as amended.

The contractor shall electrically connect the new air handling units and condensing units. The contractor shall allow for new cables that will run in galvanised wire baskets; allowance should be made for cable terminators and cable glands onto the control panel and main AC DB.

All Electrical Work shall be undertaken by a qualified and registered Installation Electrician as defined in the OHS Act.

OPERATING AND MAINTENANCE INSTRUCTIONS

The Contractor shall furnish to the Engineer three bound copies of Operating and Maintenance Instructions prior to the final acceptance of the installation.

The manuals shall include the following:




- | Index
- | Description of the plant
- | Operation of the plant
- | Plant and equipment - including model numbers and Suppliers
- | Test report
- | Maintenance instructions
- | Spare parts list and contact details
- | Descriptive literature
- | Record drawings (for all equipment installed and electrical wiring performed by the air conditioning contractor).

7 PAINTING

No untreated metal surfaces shall be permitted on the project. Items which are not galvanised or similarly protected against rust and corrosion, shall be painted.

All black metal work including brackets, hangers, platforms, piping etc. either exposed or concealed shall be thoroughly cleaned, de-scaled and painted with one coat zinc chromate followed by one coat enamel paint, to an approved colour.

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Unless specified to the contrary hereafter, all equipment, exposed ducting, pipes, metal parts and insulated and plastered surfaces shall be painted with a primer coat followed by two coats enamel paint, to an approved colour.

SECTION 2: INSTALLATION DETAILS

1 EXTENT OF WORK

The contractor shall be responsible for installing medical gas pipe lines at the existing Ward 16, Triage, ICU and Plantroom. The require pipe lines shall be oxygen, low pressure medical air and vacuum lines. The contractor shall be responsible that the compressors, vacuum pumps and oxygen banks are fully functional at the end of this installation.

2 PIPING AND FITTINGS

2.1 Identification and Packaging

All straight length tubes shall have the ends protected with red plastic caps to prevent ingress of foreign matter during storage and transport. All coiled tubes shall have their ends mechanically sealed and shall be marked M.G. All straight length tubes shall be packed and delivered in timber cases of suitable size and capacity.

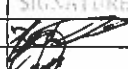
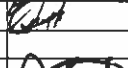

All coiled tubes shall be packed in M.G. standard cardboard boxes and marked M.G.

2.2 Medical Grade Cleaning Specifications Before and After Annealing

The actual cleaning operations may be varied in order to satisfy final inspection requirements by the team of Responsible Persons. The following cleaning processes have to be undertaken on Medical Grade Copper Tubing before and after annealing at the Manufacturer's premises.

- (1) Blow pipes clean with medically pure compressed air.
- (2) Use Steam vapour aggravation next for cleaning inside of pipes.
- (3) Then use a hot detergent for washing of the pipes, internally.
- (4) Finally use a soft abrasive cleaning organic liquid. The final responsibility to ensure that clean tubing is used in the installation rests with the Contractor.

The above steps may have to be repeated on all the tubing sizes especially when uncleaned tubing e.g. domestic copper tubing has to be used due to site circumstances. The inside of this tube with sealed ends shall be sufficiently clean so that when the interior of the tube is washed with a solvent e.g. a trichloro ethylene, the residue remaining upon evaporation of the solvent shall not exceed 0,0376 g/m² of interior surface. Trichloro Ethane and Methylene Chloride may also be used as cleaning agents. The bore of the tubing shall be clean and free from deleterious films and deposits.

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All valves and fittings shall be clean and degreased and supplied to site in individual heat sealed plastic bags which may only be opened prior to installation.

2.3 Pipe Sizing and Routing

The size of pipes for main runs and branch lines are as shown on the drawings. Branch connections to all outlet points, if not otherwise shown, shall not be less than 10 mm OD for oxygen, nitrous oxide and medical air and 12 mm O.D. for vacuum and scavenge piping. The routing shown on the drawings shall be adhered to, the exact positioning of the tubing being left to the contractor so as to suit the conditions on site. The Contractor is to verify all pipe sizing and bring any alterations to the attention of the Engineer.

All piping unless specifically so stated shall be run in the ceiling voids with no pipes mounted on the walls of the passages. Any valves that may be mounted above the ceilings are to be clearly indicated as such on the walls immediately under the valves below the ceiling. Where the Contractor has a problem in mounting piping above the ceilings, this fact is to be brought to the attention of the Engineer for a decision.

All wall outlet points shall be centred 1,5 m above finished floor level, the position in the room being shown on the Supplementary Drawings. Alternative suggestions that a Bidder considers may be an improvement, are permissible. Bidders, however, must submit full particulars of such alternatives with their bids. The same applies to contractors forwarding suggestions once on site. Written approval, however, must first be obtained before such alternatives are carried out from the Engineer (Mechanical).

Only capillary hard solder fittings for M.G. copper classes 0 and 2 tubing, shall be used up to 50 mm outside diameter. Class 0 are preferred in all larger sizes.

The fittings shall be degreased similar to the Medical Grade copper tubing. On site swaging is not acceptable unless carried out by technicians approved by the duly appointed Engineer/Technologist/Technician (Mechanical).

Medical grade copper tubes joined by means of fittings suitable for capillary hard soldering shall be jointed with hard solder, not soft solder, with working temperatures between 600 °C and 700 °C, using:

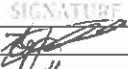


Self-fluxing copper/phosphorous/over 7 % content silver rod similar or equal to Afrox Silbralloy. The recommended heating source shall be an oxygen-liquified petroleum gas flame.

When using self-fluxing hard solder care must be taken to ensure that the joint is not overheated. Oxygen - acetylene gas flames must be used with special care.

ensure that the joint is not overheated. Oxygen - acetylene gas flames must be used with special care.

2.4 Pipe Supports

Where visible, interior wall mounted piping shall be secured in brass or plastic type holder brackets that can be used on tubing up to 50 mm outside diameter. Pipe runs in roof spaces,

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covered ways, under eaves and on the outside of buildings, i.e. where not in a space normally inhabited, shall be secured with brass type holder brackets for tubing up to 50 mm outside diameter. Other types of holder brackets that Bidders may wish to offer, must first receive the approval of the duly appointed official (Mechanical). The centre distance of supports shall not exceed the following up to and including:-

up to 10 mm outside diameter pipe - 1,00 m

12 to 15 mm outside diameter pipe - 1,25 m

22 mm outside diameter pipe - 1,80 m

28 mm outside diameter pipe - 2,50 m

35 to 76 mm outside diameter pipe -see Supplementary Drawings.

"Unistrut P4000" or other approved support shall be used for this duty. The support shall be fixed to the masonry by means of two suitable brackets, expanding and fixing bolts. The pipes shall be fixed to the support by means of Unistrut P1108 - 2025 series clamps or other approved. The pipes shall be wrapped with plastic tape to isolate them from the clamps. Fischer or equal plastic clamps are also acceptable. Hexagon head bolts and nuts shall be used with these clamps. All bolts and nuts shall be galvanised and painted as specified.

3. Optional Protection of Tubing

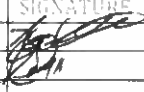


Where pipes are concealed (i.e. buried in walls or structures) they shall run in conduit for easy removal and replacement or other suitable hard protective piping or run in metal channels built in and flush with the finished wall surface, with suitable covers painted to match the wall finish. Piping buried in walls shall be avoided and shall only be allowed in exceptional cases, such as operating theatres, unless the tubing is passing through walls.

Where pipes are to be run in a location where they may be damaged by trolleys, stretchers or similar mobile equipment, or where they may be interfered with by the general public or other unauthorised persons, they shall be protected by encasement in pipes or metal channels up to a height of 2 m. The route of the pipes shall be so selected that they are out of the reach of traffic and the general public.

All medical copper tubing in ducts, roof spaces or above suspended ceilings shall be laid in Admiralty type cable trays which shall be installed 150 mm clear of any other piping or conduits run in the same roof space wherever possible, and shall not bear against any galvanised surface.

Surface mounting in existing buildings will be considered in all areas by the duly appointed officer (Mechanical). Where the pipes pass through walls and ceilings, etc., they shall be sleeved and provided with wall plates, which shall be rust free and painted to match the general wall finish. Where several pipes, of different diameter, are surface mounted side by side, the saddle centre distance appropriate for the smallest diameter pipe shall also be used for the larger pipes. The method of mounting and installation shall be as indicated on

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the drawings and specified in the Supplementary Specification. No dead ends on medical gas installations are permissible to avoid bacterial contamination.

4 Pipe Bends

Bends in Class 2 tubing shall be free from flattening, buckling or thinning of the tube wall at any point. Form bends are permissible up to 28 mm. Elbow type fittings shall not be used unless for special purposes specified in the contract. Only slow bends shall be used. Both horizontal and vertical pipe runs shall conform to the following sequence. From top to bottom and from left to right as appropriate: Oxygen, Vacuum, Medical Air, Nitrous Oxide and Scavenging.

Horizontal pipe runs shall whenever possible not be lower than 2 400 mm above the floor level, unless they are suitably protected and accessible for maintenance staff.

5 Painting

Pipe support brackets and clamps shall be hot dipped galvanised to S.A.N.S. 121. In addition they shall be painted for protection with one primer coat followed by two finishing coats of enamel paint in accordance with the paint manufacturer's recommendations. The piping shall be painted and labelled to comply with the Identification Colour Marking specified hereafter.

6 Quality of Medical Gas ('MG') copper tubing

6.1 General description

The Medical Gas ('MG') tubing shall meet the stringent requirement laid down for the distribution of medical gases in hospital; services. Two categories are included (a) For high pressure coils and (b) for low pressure distribution. The tube sizes shall generally conform to metric domestic copper tube sizes specially cleaned and labelled. Special emphasis shall be placed on the tube bore cleanliness of the copper tubing.

6.2 Compliance with S.A.N.S.1409 & S.A.N.S. 1453 (Vacuum system piping)

All copper vacuum tubing shall comply with the latest edition of S.A.N.S. 1409 and 1453, shall be in metric sizes and shall be class 2 only.

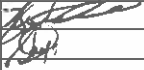


6.3 Compliance with S.A.N.S.7396 (Medical gas pipeline systems)

All copper medical gas piping shall comply with the latest edition of S.A.N.S. 7396, (Maksal type "MG" only) and shall be in new metric sizes. Class 2 (half hard) up to 28 mm outside diameter and Class 0 (hard drawn) above this size. Annealed Class 2 MG tubing to be used where it is necessary to manipulate the tubing inside conduit droppers, etc.

7 High and Low Pressure Tubing

7.1 High Pressure Applications

Flexible connections are preferred. Stainless steel braid reinforced flexible connections may be used.

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Alternatively "Serpentine" of soft annealed copper coils Class 2 are preferred. "Manifolds" shall be of "hard" Class 0 straight copper in suitable lengths.

7.2 Low Pressure Applications

All tubes will normally be in the class annealed condition as standard, up to 28 mm outside diameter to facilitate bending but when preferred tubes can be specified to be in Class 0 "hard" condition as well.

7.3 Freedom from Defects

Eddy current testing shall be carried out on all tubes to ensure freedom from physical defects; the standards for such inspection shall be as specified in ASTM E. 243.

7.4 Bore Cleanliness

All tubes shall be processed in such a manner that the bores are bright and clean. The use of carbon tetrachloride as a cleaning agent is not permissible.

The measure of acceptable cleanliness shall be that specified in ASTM B.290. This requires that when the interior of a test sample of the tube is washed with trichloro-ethylene, or other solvent such as redistilled chloroform or redistilled trichloro-ethylene, the residue remaining upon evaporation of the solvent shall not exceed 0,0376 g/m². Refer maximum allowable residue per 5,5 m length listed in the Table above.

Size range available

O.D = Outside diameter

W.T. = Wall thickness




S.W.P. = Safe working pressure

M.A.S. = maximum allowable stress).

All medical gas piping shall be copper tube and shall be Maksal type "MG" only. The tubing shall be in new metric sizes and shall be Class 2 (half hard) in all sizes up to 1½" O.D. and Class 0 (hard drawn) above this size. Annealed Class 2 MG tubing shall be used where it is necessary to manipulate the tubing inside conduit droppers, etc. All vacuum piping shall be SABS 460 Class 2 up to 28mm O.D. and Class 0 above this size.

The jointing of piping shall be by capillary hard soldering using silver-copper-phosphorous fluxless rod and an oxygen/L.P. Gas heat source using capillary fittings which have been cleaned and degreased to the same standard as the piping.

Running joints may be made by swaging of the piping with a suitably calibrated tool provided that this is done in such a manner that flow of gas will be from the straight pipe end to the swaged pipe end. Class 0 piping shall not be swaged under any circumstances. Capillary joints between copper and brass or stainless steel shall be made using 40% silver solder with the recommended flux.

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All bends in piping of 1½" and 28mm Ø and less shall be easy bends made with recognised bending equipment. No elbows will be accepted except with prior approval in piping exposed to public view, where it is necessary to achieve sharp bends for the sake of appearances.

Piping shall be installed generally as shown on the drawings in neat straight runs. Piping in roof spaces shall be positioned and protected so that the possibility of damage by persons in the roof space is kept to a minimum.

Any piping passing through walls, etc., shall be sleeved with stainless steel or P.V.C. sleeves. Piping shall be saddled to roof trusses using U-type saddles screwed to the trusses, and where fixed to Unistrut, similar proprietary made saddles shall be used bolted to the Unistrut using the standard spring loaded nuts. The saddles shall allow free movement of the piping to cater for thermal expansion and for movement of buildings at construction and expansion joints.

The offsets into the roof spaces of the various blocks of the main runs are also designed to allow for a certain amount of flexibility in the piping. All piping fixed to walls shall be fixed with saddles with plastic or rubber inserts; all piping running externally shall be fixed to unistrut type brackets as described above.

The drilling of brick walls for the penetration of piping shall be the responsibility of the Gas Contractor; holes for penetration of walls shall only be formed using suitable and approved impact tools. Any damage to walls shall be for the Gas Contractor's account.

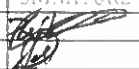


8 Medical Gas Outlets

Identification of Medical Gas Outlets by Colour and Terminal Pipe Sizing

In order to assist in the prevention of installation errors, the following colour coding and terminal pipe sizing for droppers to the service outlet points shall be used.

Medical Gas Service	Pipe Line Colour Code	Cover Plate Probe Colour	Droppers to Service Outlet points O.D. mm
Oxygen	White	White Black letters	9.53
Nitrous Oxide	Ultramarine Blue F09	Ultramarine Blue F09 White letters	9.53
LP Medical Air	Dark Admiralty Grey G.12	Dark Admiralty Grey G.12 with Black Letters	9.53
Vacuum	Cornflower Yellow C.67	Cornflower Yellow C.67 Black letters	15
Scavenging	Light Orange B26	Light Orange B26 Black letters	15

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All wall outlets shall be preferably centered 1½ m above floor level in positions shown on the drawings

Outlet points on all new hospital installations shall be flush mounted, non protruding, quick coupling, self-isolating types with safety keyed connections, similar or equal to Dragger or Heyer outlets to the configurations outlined in the enclosed Addendum All probes shall be to the most recent S.A.N.S. Specification for outlet sockets and probes for medical gas. The probes must be marked the same colour as the cover plate. For new installations in existing hospitals where surface mounting of tubing and fittings is specified, outlet points shall be as above and be of the surface mounted type. The use of check valves incorporated in the outlet point is optional and depends on the project design.

The medical gas outlets and probes shall be indexed and mated such that only the correct probe be inserted into the appropriate gas outlet; for example, it shall not be possible to insert a N2O probe into an oxygen outlet or vice versa. The probes and outlets shall also be correctly identified. This shall be achieved by easily distinguishable shapes of probes and outlets and by permanent colouring of the probes and outlets.

In compliance with par. 3.4.1 of S.A.N.S. 1409 specification for outlet sockets and probes for medical gas the outlet socket main body and base piece shall be mated as described in ISO 407 for Small Medical Gas Cylinders yoke type valve connections.

Each probe shall have permanently and clearly engraved upon it, the identification of the service, e.g. O2, N2O, Vac, Medical Air and Scavenging. Each outlet and/or cover-plate shall be identified in English.

When a group of outlets are installed adjacent to each other the order from left to right as given above, shall always be followed.

The outlets shall be such that the valve mechanism is easily accessible for maintenance purposes without having to unsolder pipe connections or break into the wall etc. Outlets shall first receive the approval of the duly appointed Engineer/Technologist/Technician (Mechanical) before installation.

Probes used in outlets under pressure shall have unidirectional flow.

Cover plates

Each outlet shall have permanently and clearly engraved on the cover plate:

The full word Oxygen/in English.




The full words Nitrous Oxide/in English.

The full words Low Pressure Medical Air /in English.

The full word Vacuum/in English.

The full word Scavenge/ in English.

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The outlets supplied under this contract shall be of the flush or bedhead mounted standard medical type, non-interchangeable between services, and complete with colour-coded plastic cover plates in the instance of wall mounted outlets.

The outlets shall be arranged in the following sequence from left to right:

Oxygen

Vacuum

Nitrous Oxide

Low Pressure Medical Air

Scavenge

They shall be "Heyer" type or equivalent and approved by the Department of Works or Health and shall comply with SANS 1409 1986 as amended.

The outlets shall be mounted in bedhead ducts. The duct shall allow easy entry of the piping without kinks or other strain being placed on it.

9 Isolating Valves

Isolating valves shall be installed wherever shown on the drawings. They shall be of a size equal to that indicated for the pipe line in which they will be installed and shall be full bore. All valves except those mounted in the roof space and gas bank room shall be housed in valve boxes as described hereafter.




Isolating valves for gases, air and vacuum may be of the ball type with bronze or stainless steel bodies. Diaphragm type valves are equally acceptable for all gases including air and vacuum. All valves must be certified to be oil and grease free, suitable for the gas to be handled. They shall be suitable for a working pressure of 1 000 kPa gauge. Pipelines must be properly secured by holder bats in close proximity to and on either side of each valve. Approved diaphragm type valves may be offered as an alternative.

Valves shall be fitted into the pipe line by means of capillary hard soldered joints containing silver.

The ball-cock type isolating valves shall be replaceable using a flanged swing away body or removable ball and seal type system. They shall have bronze or stainless steel balls. All types of valves tendered shall be submitted for approval to the duly appointed Engineer/Technologist/Technician (Mechanical) prior to installation. The valve handle shall be the same colour as allocated to the gas.

An adequate supply of valves to allow for maintenance of the various sections of the line are to be provided. This is over and above the valve boxes that are indicated on the drawings.

A service point is to be provided immediately inside the hospital on the downstream side of the Pressure Reducing Valve Box.

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Valves are to be arranged in such a manner that critical areas such as the Theatres and the ICU and Burns Unit can be supplied by individual cylinders fitted with Pressure Regulators. These cylinders are to be connected on the downstream side of the isolating valves. The connection points shall consist of standard outlet sockets with the non-return portion of the socket removed. These sockets are to be fitted with lock-shields to prevent unauthorised use thereof.

9.1 Positioning of isolating valves - Main and Branch lines

The positions of these valves shall be as indicated on the drawings supplied with this Specification. No valve shall be positioned such that tampering by unauthorised persons is possible. The heights of these valves shall preferably be not less than 2.4 meters above finished floor level. All valve handles shall lift up to close off the service.

9.2 Isolating valves serving outlets

Isolating valves serving outlets that are located either singly or in groups shall be placed in the same area as the outlet or outlets they are intended to serve and on the same floor in isolation valve boxes. They shall not be placed in the roof or inaccessible spaces but high up on the wall under the ceiling where they can be reached by skilled maintenance staff. Where the above is not possible, isolating valves in a false ceiling are acceptable. Their location shall be indicated by suitable marking on the wall below. The ceiling panels shall be provided with a suitable trap door.

9.3 Isolating valve boxes and pressure reducing valve stations

The design of the valve boxes shall be similar to the distribution board used for electrical distribution in buildings and shall be complete with architrave frame and flush piano hinged door with catch. The valve boxes shall be large enough to accommodate the number of isolating valves that shall serve the branch lines shown on the drawings.

All valve boxes situated in passages are to be of the surface mounted type and are to be positioned close under the ceiling.



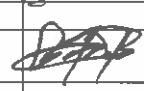
Where surface mounted pipelines are specified in this Specification, valve boxes shall be of the surface mounted type and the complete box is to be painted white.

Where concealed pipelines are specified in this Specification, valve boxes shall be of the flush mounted type and the frame and door shall be painted white.

In the case of ceiling mounted valve boxes, the frame shall be suspended from the concrete ceiling or roof timbers by adjustable hangers designed to suit the installation and which allows the frame to sit neatly and securely against the underside of the false ceiling or ceiling panel.

9.4 Valve Boxes – Paint finishes

All metal parts shall be degreased, rinsed, pickled, rinsed, phosphated, neutralized and then thoroughly dried. This process shall be followed up within 48 hours by white epoxy coating or one layer of a high-quality zinc chromate primer, followed by two coats of good quality alkyl-

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based enamel, colour white. The minimum film thickness of the paint shall not be less than 63 micrometer. Care shall be taken that all edges are properly covered by paint.

9.5 Valve Boxes – Markings

An engraved red on white Ivorine nameplate shall be fitted to the door of each valve box to read as follows:

AUTHORISED PERSONS ONLY

MEDICAL GAS

ISOLATING VALVES

DO NOT CLOSE

Engraved Ivorine nameplates shall be provided inside the cabinet to identify each valve. Each valve shall be painted according to the colour(s) specified in the colour code. A notice indicating the room(s) fed shall be fixed inside each box room identification is to be obtained from the Architect and shall be by means of room number only descriptive terms shall not be used. Valve boxes shall be installed to suit the valve height of 2.4 m. Suitably sized switch board type enclosures are acceptable. Valve boxes and control cabinet doors shall have handles incorporating a mechanical door catch. Control cabinets and valve boxes shall not be locked.

All isolating valves shall be clearly and permanently labelled indicating the area served. This labelling shall be done by the Medical Gas Contractor.

All isolating valves shall be of the bronze or stainless steel, three-piece, full bore ball cock type with lever operation.

The ends shall preferably be of the capillary type suitable for silver brazing into the pipeline. The gland packing shall be of a type requiring no lubrication and shall consist of either a PTFE seal or an "O" Ring and the ball seat shall be suitable for use with all the medical gases concerned. It must be confirmed that the valve selected is pressure tight under negative pressure to prevent leakage at the stem when used on the vacuum service. The valves shall be certified oil free.




The valves isolating each department, wing or area shall be mounted inside valve boxes, which must be provided under this contract.

The valve box shall be manufactured of pickled and passivated 3CR12 with a hinged door or doors, depending on the size. The doors of the boxes shall have catches in the handles of the doors. No locks are required. The metal work shall be suitably treated against corrosion with a self-etch primer, undercoat and two coats of high gloss enamel, spray applied. The colour shall be white.

One isolating valve shall control the supply of each gas to the operating theatre.

The order of installation of valves in the valve boxes shall be as for the terminal outlets.

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Chrome plated ball valves, PTFE renewable seals and seats, stainless steel ball and PTFE seats and seals may be used in the vacuum installation within the plant room where permitted

10 Control Panels

The control panels shall be of the surface mounted type, robustly fabricated of 3CR12 sheet with lockable doors.

All metalwork shall be suitably treated against corrosion and shall be coated with a self-etching primer, two coats of a good quality orange hard gloss enamel.

No hammertone or similar finish will be accepted.

All control equipment is to be chassis mounted behind a lockable door through which only toggles, reset and push buttons, hour meters, etc., protrude. Equipment shall not be fixed to the door. Isolator handles shall be external to the panel, the door being interlocked with the isolator. Pilot lights etc., shall be mounted in the panel door. Each control panel shall be complete with pilot power on, run and trip and indicator lights, lamp test button, control equipment and main isolator. The isolator shall have two auxiliary contacts to break the separate alarm supply. The position of the panel shall be as shown on the drawings.

Panel Wiring is to be neatly run, strapped into neat bunches. All wiring to external equipment shall terminate in a numbered terminal block into which external wiring is to be connected. Terminals shall be of rating suitable to each circuit. All connections to equipment, etc., are to carry similarly numbered ferrules.

The function of each item protruding through the board face of cover plate is to be clearly indicated by "Ivorine" or similar labels screwed or riveted, directly adjacent to each item. Each item within the panel is to be labelled to correspond to its reference on the wiring diagram. Glued labels will not be accepted.

All relays, lights, etc., shall be of the best quality. Pilot lights shall be of the transformer-operated type.

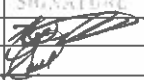


11 Oxygen supply system requirements

Low pressure Oxygen shall be supplied to the outlet points inside the hospital. The nominal pressure of the oxygen will be 450kPa.

An adequate supply of valves to allow for maintenance of the various sections of the line are to be provided. This is over and above the valve boxes that are indicated on the drawings.

A service point is to be provided immediately inside the hospital on the downstream side of the Pressure Reducing Valve Box.

Valves are to be arranged in such a manner that critical areas such as the Theatres and the ICU and Burns Unit can be supplied by individual cylinders fitted with Pressure Regulators. These cylinders are to be connected on the downstream side of the isolating valves; the connection points shall consist of standard outlet sockets with the non-return portion of the

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socket removed. These sockets are to be fitted with lock-shields to prevent unauthorised use thereof.

12 Vacuum supply system requirements

All vacuum piping is to be Class 2 copper piping with soldered joints. (Compression couplings and flanges are only permitted where joints are to be dismountable.)

Vacuum traps shall be installed in the locations as identified on the drawings in an effort to limit the amount of solid matter deposited in the vacuum receiver in the plant room.

13 Medical air supply system requirements

High pressure air at 800 kPa shall be taken to the OPD operating theatre area to drive medical tools. 800 to 450 kPa Pressure Reducing Valves shall be fitted adjacent to the theatres for the low pressure medical air.

Low pressure Medical Air shall be supplied to the outlet points inside the hospital. The nominal pressure of the oxygen will be 450kPa.

An adequate supply of valves to allow for maintenance of the various sections of the line are to be provided. This is over and above the valve boxes that are indicated on the drawings.

A service point is to be provided immediately inside the hospital on the downstream side of the Pressure Reducing Valve Box.

Valves are to be arranged in such a manner that critical areas such as the Theatres and the ICU and Burns Unit can be supplied by individual cylinders fitted with Pressure Regulators. These cylinders are to be connected on the downstream side of the isolating valves; the connection points shall consist of standard outlet sockets with the non-return portion of the socket removed. These sockets are to be fitted with lock-shields to prevent un-authorised use thereof.

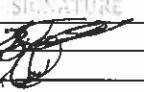
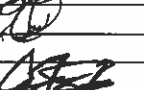

14 Alarm panels

There is an existing alarm system for the medical gas systems at the hospital and as such alarm panels as required in this specification shall be linked into that system.

The slave alarm panels are to be sited as indicated by the Engineer and are to meet the requirements as specified below.

Wiring for the alarms from the plant room to the main section of the hospital is to run inside galvanised wire-ways/ducting in the underground ducting used for the medical gas piping. Inside the main section of the hospital the wiring is to be inside trunking provided by others for low voltage alarm and communication wiring.

The alarm panels shall include an audible alarm buzzer which can be cancelled (muted) while leaving the indicator light in operation until the cause of the signal has been attended to. The cancelling of the buzzer for an incoming signal shall not render it inoperative for further incoming signals.

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Resetting of the alarm condition must only be possible from the control panel in the cylinder room. The alarm must be of the latching type and it must only be possible to reset it once the alarm condition has been rectified.

The entire alarm system shall operate on low voltage DC, and shall employ solid state circuitry. The alarm cabling used is to be PEX type cabling as used for fire detection systems, but with a different colour serving and is to be run in the ducting alongside the medical gas lines.

The system shall be designed to be failsafe, so that should any wiring become damaged or disconnected, an alarm signal will be generated.

The following indications and alarms are required:

General - Alarm system power on - green

Oxygen - Liquid oxygen tank empty - red

- Left cylinder bank empty - red

- Right cylinder bank empty - red

- Line pressure abnormal - red

Nitrous Oxide - Left cylinder bank empty - red

- Right cylinder bank empty - red

- Line pressure abnormal - red

Vacuum - Standby pump running - red

- Line pressure abnormal - red

Low Pressure Medical Air - Stand-by compressor running - red

- Line pressure abnormal - red

Abnormal pressures shall be 10% above or below nominal pressure for oxygen, nitrous oxide and medical air and 20% above or below nominal pressure for the vacuum system.

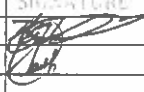


The duly appointed official (Mechanical) shall be consulted in each case for final approval of the selected position.

15 Testing and acceptance of equipment

The Contractor will be responsible for the supply of all test equipment necessary to carry out all tests required. Performance tests shall be carried out in the presence of the Engineer's and, if required, other Client representatives

16 Testing and evaluation requirements

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In general, extreme care shall be taken to ensure that the piping system remains clean and oil free during installation, with all open ends of pipes capped during construction/installation.

After installation of the medical gas outlets, each system shall be blown through and purged with dry, oil free medical grade compressed air at high pressure to clear any particles or moisture from the pipelines. Each outlet valve shall be operated during this procedure. Thereafter each system shall be pressure tested at 1000kPa using medical grade air for 24 hours, using a recording pressure gauge.

At the completion of the pressure tests, valve leak tests for 15 minutes per valve shall be conducted.

The installation shall then be tested for continuity with pressure or vacuum, as appropriate, this only being applied to the system actually under test. Each system shall be tested in turn, but all outlets shall be checked with each test, to ensure that only the correct one is under pressure. Gas banks on systems not under test shall be disconnected, and the system pressure dropped.

In addition to the above, the whole system shall be tested for the correct operation of all changeover valves, safety valves, regulators, alarms, etc.

During continuity testing, a flow test shall be carried out at each outlet to confirm that flows, as listed below, are achieved. A flow meter/pressure gauge test unit shall be used.

Gas	Flow Rate	Pressure Drop
	Litres/min.	not exceeding kPa
Oxygen	40	30
Nitrous Oxide	15	30
Vacuum	40	7
Low Pressure Medical Air	50	30

All gas for the above tests shall be supplied by the Contractor. The Client's gas cylinders shall only be connected to the manifolds after satisfactory completion of all purging and continuity testing.

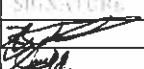


All the above tests shall be witnessed and signed off by the Engineer and a responsible person authorised by the Client.

17 Testing and commissioning

The Contractor shall allow for testing and commissioning of the complete installation which shall include the following procedures:

- (a) Cleaning of the Medical Gas Pipeline by the Project Contractor.
- (b) Safety tests i.e. pressure and gas Continuity Tests by the Responsible Persons Team Specified in the Addendum and duly appointed.

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(c) Purity Tests by the Hospital Anaesthetist and Hospital Medical Pipeline Technician duly appointed.

17.1 Cleaning with Medically Pure Air

After installation of the medical gas outlets, but before the system is handed over, each gas system shall be purged by the Contractor with medical air. The piping shall first be blown through to clear all dirt and moisture with medical compressed air as supplied in cylinders and produced by an oil free compressor. The medical air shall be supplied by a recognised medical gas supplier. This blowing out shall be done in the presence of the Responsible Person or his duly authorised representative. All air for this purpose shall be supplied by the Contractor.

17.2 Pressure and Vacuum Testing

After fitting the medical gas outlets, a pressure of 1000 kPa shall be applied, using medical compressed air. All joints shall be tested with soapsuds for leaks. This pressure shall be maintained over 24 hours without dropping pressure, using a recording pressure meter.

Alternatively the pressure tests may be as follows as indicated in the supplementary specifications:-

Pressure test of the pipeline-system inclusive of the base block of terminal unit. This test should last over 24hr. at 1,5 times of operating pressure. Pressure drop is not allowed.




Pressure test of the complete system after final installation: Draeger recommendation:-

- 1 Put all pressure gas pipes under operation pressure.
- 2 Switch pressure and close valves.
- 3 Mark positions of gauge needles.
- 4 Close all stop cocks
- 5 Check pressure and vacuum gauges after 1 hour. Permissible pressure increase for vacuum 0,1 bar. Alternatively the pressure tests according to ISO/DIS. 7396 may be used.

17.3 Gas Continuity Tests

A test shall be carried out with medical compressed air to determine whether each outlet supplies the correct gas and that the correct safety keyed probe only fits that particular outlet. This test shall be carried out by putting only one system under pressure at a time. Each network shall be brought to a pressure of 400 kPa.

All similar medical gas outlets shall be checked with each test. Only the one under pressure shall indicate the pressure at the appropriate medical gas outlet. Gas banks not under test during this test shall be disconnected. This test shall be done at the time of "taking over"

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under supervision and in the presence of the Responsible Persons. All isolating valves shall be operated at the time of test to certify that they are correctly installed.

17.4 Flow Gauge Test

A flow meter pressure gauge probe assembly shall be plugged into each medical gas outlet. A flow of 30 litres per minute shall be recorded at a pressure drop not exceeding 35 kPa.

17.5 Purity Test

A flow meter pressure gauge probe assembly shall be plugged into each medical gas outlet. A flow of 30 litres per minute shall be recorded at a pressure drop not exceeding 35 kPa.

17.6 Acceptance Criteria

The Engineer shall have the exclusive right to accept or reject the results of the tests carried out.

After fitting the medical gas outlets, a pressure of 1 000 kPa shall be applied, using medical compressed air. All joints shall be tested with soapsuds for leaks. This pressure shall be maintained over 24 hours without dropping pressure, using a recording pressure meter.

Vacuum piping shall be similarly tested with the medical gas outlets using a vacuum of at least -80 kPa which shall be applied to the system and held without loss over 24 hours using a recording meter. Only a vacuum recorder will be acceptable on the vacuum system and not a pressure recording.

A test shall be carried out with medical compressed air to determine whether each outlet supplies the correct gas and that the correct safety keyed probe only fits that particular outlet. This test shall be carried out by putting only one system under pressure at a time. Each network shall be brought to a pressure of 400 kPa. The vacuum system shall be similarly tested to -80 kPa.

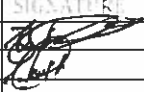
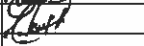

All similar medical gas outlets shall be checked with each test. Only the one under pressure shall indicate the pressure at the appropriate medical gas outlet. Gas banks not under test during this test shall be disconnected. This test shall be done at the time of "taking over" under supervision and in the presence of the Responsible Persons. All isolating valves shall be operated at the time of test to certify that they are correctly installed.

Flow gauge tests shall be carried out by using a flow meter pressure gauge probe assembly plugged into each medical gas outlet. A flow of 30 litres per minute shall be recorded at a pressure drop not exceeding 35 kPa.

Purity Tests on the medical gases shall be done by the appointed Responsible Persons for all the outlets including the theatres, induction and delivery rooms, etc.

18 Maintenance and Service Contract

The Contractor shall provide for servicing and maintaining the installation on behalf of the Client for the Guarantee period.

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The Contractor shall provide for at least one year of free service at quarterly intervals after completion and hand-over of the system.

Unless otherwise specified the entire installation (for this contract) shall be subject to a 12 month guarantee of each item of equipment.

It is a requirement of the Client that the Contractor have staff permanently available on a 24hour basis to be able to assist the hospital staff to effect emergency repairs to the equipment installed under this contract.

19 Operating Manuals

Where possible instructions that have been laminated in plastic are to be supplied for easy dissemination of information to personnel who are required to make use of the equipment.

Three complete sets of operating manuals shall be supplied by the Contractor, one set to the Engineer for onward forwarding to the Employer and one for the User Department's use.

Manuals must be compiled in layman's language.

At least one month before commissioning, one draft copy shall be submitted to the Department/Engineer for comments and approval.

Operating manuals shall give a clear description of and the purpose of the installation.

- (a) Paper copies of all approved drawings and diagrams.
- (b) Detailed description of the different components used in the installation.
- (c) On- and off switching procedures.
- (d) Guidelines for routine-test to be carried out by the User Department inclusive of the periods during which tests are to be undertaken.
- (e) Detailed instructions for procedures to be followed during a fault.

20 Maintenance Manuals

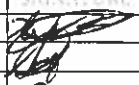
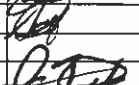

Two complete sets of maintenance manuals (Technical) prepared in English, shall be supplied by the Contractor.

At least one month before commissioning a draft copy shall be submitted to the Department/Engineer for comments and approval.

Maintenance manuals shall consist of the following:

- (a) A general description of the system.
- (b) A general description of the controls.
- (c) Schedule of equipment, model numbers, optional extras, modifications, electrical power requirements, etc.

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- (d) Detailed monthly, quarterly, semi-annually and annual preventative maintenance procedures.
- (e) Manufacturer's catalogues clearly indicating type, size and model of equipment supplied.
- (f) Tabulated commissioning data of all equipment and the system, indicating- as measured and according to specification - requirements.
- (g) List of suppliers, addresses and telephone numbers.
- (h) List of spare parts for all equipment.
- (i) Fault tracing/finding procedures.

Manuals shall be bound in a firm hard cover.

The information shall be clear and readable and supplied with an index.

The above-mentioned manuals shall be available at first delivery. Delivery of the installation will not be accepted without the manuals.

21 Employer Training

A representative of the Contractor shall be available to instruct the proprietor's building maintenance staff (or his appointed representative) in the operation of his system, and to ensure that such persons are fully conversant with the control and operation of the system.



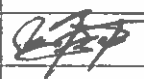
This instruction exercise is to take place prior to the system being left operational. The Engineers are to be informed in writing as to when this instruction period is scheduled to commence. Upon completion of the exercise the contractor is to obtain the Proprietor's representative's written acceptance of the hand-over tuition, thus acknowledging his complete understanding of the operational procedures for this installation.

22 Record drawings

The contractor is responsible for the production of record drawings, and for the issue of one laminated copy of each drawing to the proprietor's maintenance engineer. A further 3 paper print copies are required, these forming an integral part of his Maintenance Manuals.

These drawings are to illustrate any changes in the pipework and other equipment layouts. The record drawings are to include for control diagrams, board diagrams, and other electrical diagrams.

Electronic copies of the Consulting Engineer's original drawings may be obtained from the Engineers, and these modified by the sub-contractor such that they become the master record originals.

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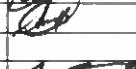

SCHEDULE OF QUANTITIES

GENERAL NOTES AND PRICING INSTRUCTIONS

Pricing Instructions mean the criteria as set out below, read together with all Parts of the contract document, which it will be deemed in the contract that the Tenderer has taken into account when developing his prices.

1. The agreement is based on the General Conditions of Contract. Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.
2. Mechanical work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardised Specifications for Mechanical Engineering Works.
3. For the purpose of the Activity Schedule, the following words shall have the meanings hereby assigned to them:
 - | Unit: The unit of measurement for each item of work.
 - | Quantity: The number of units of work for each item.
 - | Rate: The agreed payment per unit of measurement.
 - | Amount: The product of the quantity and the agreed rate for an item.
 - | Sum: An agreed lump sum payment amount for an item, the extent of which is described in the Scope of Work, but the quantity of work which is not measured in any units.
 - | Percentage Fee: The agreed fee for a service, the extent of which is described in the Scope of Work, expressed as a percentage of a construction contract value or part thereof.
4. The Bills of Quantities is not intended for the ordering of materials. Any ordering of materials, based on the Bills of Quantities, is at the Contractor's risk.
5. The rates, sums, percentage fees and prices in the Activity Schedule are to be fully inclusive prices for the work described under the several items. Such prices and rates are to cover all costs and expenses that may be required in and for the execution of the work described in accordance with the provisions of the Scope of Work, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the Contract Data, as well as overhead charges and profit. Where time-based rates are quoted, such shall include for all payments to administrative, clerical and secretarial staff used to support professional and technical staff.
6. Where quantities are given in the Pricing Schedule, these are provisional and do not necessarily represent the actual amount of work to be done. The quantities of work accepted and certified for payment will be used for determining payments due and not the quantities given in the pricing schedule. In respect of time based services, the allocation of staff must be agreed with the employer before such services are rendered.




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7. All other rates, sums, percentage fees or prices (as applicable) tendered in the pricing schedule shall be final and binding and shall not be subject to any variation throughout the period of the contract.

8. Provision for time-based services which fall beyond the scope of normal services as described in the Scope of Work has been made in the Activity Schedule. This provision is for services provided on instruction from the Employer and will be deducted in whole or part if not required. The estimated period of involvement of each category of person must be agreed with the Employer before any work in this regard commences.

9. Where provisional sums are provided in respect of additional services, these amounts may be omitted in part or full should the additional work not be required and/or at the discretion of the Employer. Where additional services are to be subcontracted out by the Service Provider, which do not exceed R30, 000.00 (including VAT) in value, the Service Provider will typically be required to invite three quotations from suitably qualified sub-consultants/sub-contractors. Where the services are likely to exceed R30, 000.00 (including VAT), the Employer reserves the right to follow a procurement process relevant to its supply chain management policy to procure such services in respect of this work. A mark-up in respect of all other costs, overhead charges and profit will be applicable in respect of all sub-consultants at rates/percentages as quoted by the Service Provider in the Activity Schedule.

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Part 5 - Schedule C
Pricing Schedule

SBD 3.2




PRICING SCHEDULE – NON FIRM PRICES
(PURCHASES)

NOTE: PRICE ADJUSTMENTS WILL BE ALLOWED AT THE PERIODS AND TIMES SPECIFIED IN THE BIDDING DOCUMENTS.

IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

Bill 1 PRELIMINARY AND GENERAL					
No	DESCRIPTION	UNIT	QTY	RATE	TOTAL
11	Compliance with General Conditions of Contract sureties, and travelling out of town alliance.				
	Fixed				
	Value related	Sum	1		
	Time related	Sum	1		
12	Establishment on site, provision of buildings and storage facilities including de-establishment of site, cleaning and tidying up after completion of contract				
	Fixed				
	Value related	Sum	1		
	Time related	Sum	1		
13	Contract management and supervision of works				
	Fixed				
	Value related	Sum	1		
	Time related	Sum	1		
14	Provision of drawings and manuals as specified.	Sum	1		
15	Compliance with the OHS Act, Local by-laws and other Statutory regulations	Sum	1		
16	Any additional item not specifically included in this Bill of Quantities	Sum	1		




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	that the contractor may wish to detail.				
17	Final inspection of the works by an accredited representative and signing off of the instation	Sum	1		
18	Money provision for additional requirements to engineers detail	Sum	1		
19	The bidder must price for his staff to wear distinctive overalls/work clothes and hard hats. For the duration of the contract name tags must be provided to all employees on site, whether in work clothes or not.	Sum	1		
11	Provide for attendance of health and safety meeting called by the Main contractor	Sum	1		
TOTAL CARRIED FORWARD TO SUMMARY					R -

Bill 2	BEDHEAD SERVICES B2-1: A-Ward: Electrical Services				
No	DESCRIPTION	UNIT	QTY	RATE	TOTAL
2.1	Supply, deliver on site and Install horizontal bedhead duct with a vertical raiser installed into the ceiling void, and the raiser to be at the corners. The bedhead must be installed with the following accessories for each ward to suite for each bassinette:	mm	28		
2.1.1	Lighting: 300 lux dimmable nursing care/ examination light at bed	No.	8		
2.1.2	Power Supply Two (2) 16A SSO on earth leakage normall supply.	No.	16		
2.1.3	Two (2) 16A SSO Essential supply.		16		
2.1.4	One (1) 16A SSO two-pin plug.		8		
2.1.5	On earth leakage UPS supply, mounted on the bedhead duct.(1hr backup 20KvA)		1		
2.1.6	Communication: One (1) nurse call point in bedhead duct, to be installed in between baby bassinate.	No.	4		

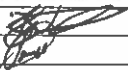


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2.1.7	One data outlet point in bedhead duct, to be installed in between baby bassinate.	No.	4		
2.2	Commissioning, and testing of all equipment. Including the Supply warranty manuals	sum	1		
2.3	Supply, install and commission electrical distribution boards including all circuit breakers, to suite behead installations.	sum	1		
2.4	Cables				
2.4.1	Supply, deliver on site and install 10mm ² 4-core armoured metre20PVC bedded SWA PVC sheated 600/1000V cable to SANS 1507-3	metres	20		
2.4.2	Supply, deliver on site and install 2,5mm ² 3-core armoured metre30PVC bedded SWA PVC to SANS 1507-3.	metres	30		
TOTAL CARRIED FORWARD TO SUMMARY R -					

Bill 3 BEDHEAD SERVICES: B2-1: B-Ward: Electrical Services					
No	DESCRIPTION	UNIT	QTY	RATE	TOTAL
3.1	Supply, deliver on site and install horizontal bedhead duct with a vertical raiser installed into the ceiling void, and the raiser to be at the corners. The bedhead must be installed with the following accessories for each ward to suite for each bassinette:	mm	28		
3.1.1	Lighting: 300 lux dimmable nursing care/ examination light at bed	No.	8		




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3.1.2	Power Supply Two (2) 16A SSO on earth leakage normal supply.	No.	16		
3.1.3	Two (2) 16A SSO Essential supply.		16		
3.1.4	One (1) 16A SSO two-pin plug.		8		
3.1.5	On earth leakage UPS supply, mounted on the bedhead duct.(1hr backup 20KvA)		1		
3.1.6	Communication: One (1) nurse call point in bedhead duct, to be installed in between baby bassinate.	No.	4		
3.1.7	One data outlet point in bedhead duct, to be installed in between baby bassinate.	No.	4		
3.2	Commissioning, and testing of all equipment. Including the Supply warranty manuals	sum	1		
3.3	Supply, install and commission electrical distribution boards including all circuit breakers, to suite behead installations.	sum	1		
3.4	Cables				
3.4.1	Supply, deliver on site and install 10mm ² 4-core armoured metre20PVC bedded SWA PVC sheated 600/1000V cable to SANS 1507-3	metres	20		
3.4.2	Supply, deliver on site and install 2,5mm ² 3-core armoured metre30PVC bedded SWA PVC to SANS 1507-3.	metres	30		
TOTAL CARRIED FORWARD TO SUMMARY			R	-	




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Bill 4	BEDHEAD SERVICES: B2-1: A-Ward: Medical Gas Reticulation				
No	DESCRIPTION	UNIT	QTY	RATE	TOTAL
4	Capillary type copper tube fittings to SABS 1067 including cutting, reaming and soldering of joints, hard types solder and pipe supports as specified. Pipework in walls is to be run into a surface trunking raiser from a ceiling void, to a horizontal bedhead trunk. Each bed shall have one oxygen point outlet and one vacuum point outlet. NOTE: Straight couplers, fittings, and bends will not be measured as separate items and are to be included in the rates for straight piping.				
4.1	Supply and delivery to site and installation to SABS 1453 copper				
4.1.1	pipework as specified				
4.1.2	19.58 mm Ø (3/8")	metre	60		
	12.7 mm Ø (1/2")	metre	30		
4.2					
4.2.1	Medical Gas points:				
4.2.1	Oxygen point				
	Vacuum point	no.	8		
	Medical LP Air	no.	8		
4.3		no	8		
4.3.1	Pipe saddle brackets and crips				
4.3.2	9.58 mm Ø (3/8")	no.	40		
	12.7 mm Ø (1/2")	no	20		
4.4	Oxygen isolation box with Pressure gauge	no.	1		
TOTAL CARRIED FORWARD TO SUMMARY					R -

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Bill 5 BEDHEAD SERVICES: B2-1: B-Ward: Medical Gas Reticulation					
No	DESCRIPTION	UNIT	QTY	RATE	TOTAL
5	Capillary type copper tube fittings to SABS 1067 including cutting, reaming and soldering of joints, hard types solder and pipe supports as specified. Pipework in walls is to be run into a surface trunking raiser from a ceiling void, to a horizontal bedhead trunk. Each bed shall have one oxygen point outlet and one vacuum point outlet. NOTE: Straight couplers, fittings, and bends will not be measured as separate items and are to be included in the rates for straight piping.				
5.1	Supply and delivery to site and installation to SABS 1453 copper pipework as specified				
5.1.1	19.58 mm Ø (3/8")	metre	60		
5.1.2	12.7 mm Ø (1/2")	metre	30		
5.2	Medical Gas points:				
5.2.1	Oxygen point.	no.	8		
5.2.1	Vacuum point.	no.	8		
5.3	Medical LP Air	no.	8		
5.3.1	Pipe saddle brackets and crips				
5.3.2	9.58 mm Ø (3/8")	no.	40		
	12.7 mm Ø (1/2")	no.	20		
5.4	Oxygen isolation box with Pressure gauge	no.	1		
TOTAL CARRIED FORWARD TO SUMMARY					R -

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Bill 6	BEDHEAD SERVICES: B2-1: B-Ward: Medical Gas Reticulation				
No	DESCRIPTION	UNIT	QTY	RATE	TOTAL
6	Works for unforeseen items to be approved by Project Engineer prior to implementation				
6.1	Qualified Artisan	hrs	40		
6.2	Skilled Labour	hrs	40		
6.3	Labourer	hrs	120		
	TOTAL CARRIED FORWARD TO SUMMARY				R -

SUMMARY

No	DESCRIPTION	UNIT	QTY	RATE	TOTAL
7.1	PRELIMINARY AND GENERAL				
7.2	BEDHEAD SERVICES B2-1: A-Ward: Electrical Services				
7.3	BEDHEAD SERVICES: B2-1: B-Ward: Electrical Services				
7.4	BEDHEAD SERVICES: B2-1: A-Ward: Medical Gas Reticulation				
7.5	BEDHEAD SERVICES: B2-1: B-Ward: Medical Gas Reticulation				
7.6	Dayworks				
	SUB-TOTAL				
	Contingency amount to be spent at the Project Engineers approval			Add 10%	
	SUB-TOTAL				
	Added 15% VAT				
	Grand total carried forward to form of offer				R -

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I,, on behalf of the Tenderer
 advise that I have read and
 priced the installation in accordance with the specifications, drawings and schedules of quantities
 and that I have satisfied myself that no discrepancies exist between the various documents and the
 drawing.

 BIDDERS NAME/STAMP

SIGNATURE

 DATE

OFFER TO BE VALID FOR 120 DAYS FROM THE CLOSING

- Required by:

- At:




- **Brand and model**

- **Country of origin**

- **Does the offer comply with the specification(s)?**

***YES/NO**

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- If not to specification, indicate deviation(s)

.....
.....

Period required for delivery

.....

*Delivery: Firm/not firm




- Delivery basis

.....
.....Note: All delivery costs must be included in the bid price, for delivery at the prescribed destination.

** "all applicable taxes" includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.

*Delete if not applicable

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PRICE ADJUSTMENTS

A NON-FIRM PRICES SUBJECT TO ESCALATION

1. IN CASES OF PERIOD CONTRACTS, NON FIRM PRICES WILL BE ADJUSTED (LOADED) WITH THE ASSESSED CONTRACT PRICE ADJUSTMENTS IMPLICIT IN NON FIRM PRICES WHEN CALCULATING THE COMPARATIVE PRICES
2. IN THIS CATEGORY PRICE ESCALATIONS WILL ONLY BE CONSIDERED IN TERMS OF THE FOLLOWING FORMULA:

$$Pa = (1 - V)Pt \left(D1 \frac{R1t}{R1o} + D2 \frac{R2t}{R2o} + D3 \frac{R3t}{R3o} + D4 \frac{R4t}{R4o} \right) + VPt$$

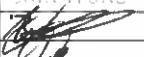


Where:

Pa	=	The new escalated price to be calculated.
(1-V)Pt	=	85% of the original bid price. Note that Pt must always be the original bid price and not an escalated price.
D1, D2..	=	Each factor of the bid price eg. labour, transport, clothing, footwear, etc. The total of the various factors D1, D2...etc. must add up to 100%.
R1t, R2t.....	=	Index figure obtained from new index (depends on the number of factors used).
R1o, R2o	=	Index figure at time of bidding.
VPt	=	15% of the original bid price. This portion of the bid price remains firm i.e. it is not subject to any price escalations.

3. The following index/indices must be used to calculate your bid price:

Index..... Dated..... Index..... Dated..... Index.....
 Dated.....
 Index..... Dated..... Index..... Dated..... Index.....
 Dated.....

1. FURNISH A BREAKDOWN OF YOUR PRICE IN TERMS OF ABOVE-MENTIONED FORMULA. THE TOTAL OF THE VARIOUS
2. FACTORS MUST ADD UP TO 100%.

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FACTOR (D1, D2 etc. e.g. Labour, transport etc.)	PERCENTAGE OF BID PRICE

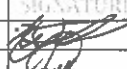


B PRICES SUBJECT TO RATE OF EXCHANGE VARIATIONS

- Please furnish full particulars of your financial institution, state the currencies used in the conversion of the prices of the items
- to South African currency, which portion of the price is subject to rate of exchange variations and the amounts remitted abroad.

PARTICULARS OF FINANCIAL INSTITUTION	ITEM NO	PRICE	CURRENCY	RATE	PORTION OF PRICE SUBJECT TO ROE	AMOUNT IN FOREIGN CURRENCY REMITTED ABROAD
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		




- Adjustments for rate of exchange variations during the contract period will be calculated by using the average monthly
- exchange rates as issued by your commercial bank for the periods indicated hereunder: (Proof from bank required)

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AVERAGE MONTHLY EXCHANGE RATES FOR THE PERIOD:	DATE DOCUMENTATION MUST BE SUBMITTED TO THIS OFFICE	DATE FROM WHICH NEW CALCULATED PRICES WILL BECOME EFFECTIVE	DATE UNTIL WHICH NEW CALCULATED PRICE WILL BE EFFECTIVE

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Part 5 – Schedule A
Government Procurement
General Conditions of Contract

Annexure A

NOTES

The purpose of this document is to:

- (i) Draw special attention to certain general conditions applicable to government bids, contracts and orders; and
- (ii) To ensure that clients be familiar with regard to the rights and obligations of all parties involved in doing business with government.

In this document words in the singular also mean in the plural and vice versa and words in the masculine also mean in the feminine and neuter.

- The General Conditions of Contract (GCC) will form part of all bid documents and may not be amended.
- Special Conditions of Contract (SCC) relevant to a specific bid, should be compiled separately for every bid (if applicable) and will supplement the General Conditions of Contract. Whenever there is a conflict, the provisions in the SCC shall prevail.




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TABLE OF CLAUSES




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2. Application
3. General
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5. Use of contract documents and information; inspection
6. Patent rights
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8. Inspections, tests and analysis
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10. Delivery and documents
11. Insurance
12. Transportation
13. Incidental services
14. Spare parts
15. Warranty
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17. Prices
18. Contract amendments
19. Assignment
20. Subcontracts
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22. Penalties
23. Termination for default
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General Conditions of Contract




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.

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

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- 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 any thing 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 enterprise abroad is subsidized by its government and encouraged to market its products internationally.
- 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 supplies 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.
- 1.14 "GCC" means the General Conditions of Contract.




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- 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 sub Service Providers) 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 supplies 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 ancillary 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 "Written" or "in writing" means handwritten in ink or any form of electronic or mechanical writing.

- 2. Application**
- 2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, 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 supplies, services or works.
- 2.3 Where such special conditions of contract are in conflict with these

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- 3. General**
- 3.1 general conditions, the special conditions shall apply. Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.
- 3.2 With certain exceptions, invitations to bid are only published in the Government Tender Bulletin. The Government Tender Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from www.treasury.gov.za
- 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.
- 6. 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.
- 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.
- 7.2 The proceeds of the performance security shall be payable to the

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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 form 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 in SCC.

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 supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or Service Provider shall be open, at all reasonable hours, for inspection by a representative of the Department or an organization acting on behalf of the Department.
- 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 supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.5 Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6 Supplies 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.

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- 8.7 Any contract supplies may on or after delivery be inspected, tested or analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies 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 supplies which do comply with the requirements of the contract. Failing such removal the rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.
- 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 23 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 and 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, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.

10. Delivery and documents

- 10.1 Delivery of the goods shall be made by the supplier in accordance with the terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.
- 10.2 Documents to be submitted by the supplier are specified in SCC.




- 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 in the SCC.

12. Transportation




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

13. Incidental

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- Services** 13.1 The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
- (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 in SCC, 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

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ADVERT APPROVED BY:		

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 in SCC.

- 15.3 The purchaser shall promptly notify the supplier in writing of and claims arising under this warranty.
- 15.4 Upon receipt of such notice, the supplier shall, within the period specified in SCC 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 in SCC, 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 in SCC.
 - 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 in SCC.
- 17. Prices**
 - 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 in SCC or in the purchaser's request for bid validity extension, as the case may be.

- 18. Contract Amendments**
 - 18.1 No variation in or modification of the terms of the contract shall be made except by written amendment signed by the parties concerned.

- 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 contracts 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

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ADVERT APPROVED BY:		

performance
by

21.1 Delivery of the goods and performance of services shall be made

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 Sub Service Provider(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 No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.

21.4 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 supplies are required, or the supplier's services are not readily available.

21.5 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

21.2 without the application of penalties.

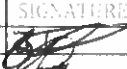
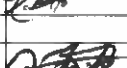

21.6 Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without canceling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return 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

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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 judgment 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.

24. Anti-dumping and countervailing duties and rights




- 24.1 When, after the date of bid, provisional payments are required, or antidumping 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 Service Provider to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the Service Provider in regard to supplies 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

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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 hereafter 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 Mediation proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.
- 27.5 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.
- 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.

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30. Applicable Law

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

30. Notices

- 30.1 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
- 30.2 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.
- 32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Department must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African Revenue Services.




33. National Industrial Participation (NIP) Programme

- 33.1 The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation.

34. Prohibition of Restrictive practices

34.1 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 (or bid rigging).

34.2 If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the

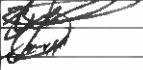


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the purchaser
possible
Act No.89 of

purchaser, has / have engaged in the restrictive practice referred to above,
may refer the matter to the Competition Commission for investigation and
imposition of administrative penalties as contemplated in the Competition
1998.

Competition
in addition
bid(s) for such
restrict the
for a period not
contractor(s)

34.3 If a bidder(s) or contractor(s), has / have been found guilty by the
Commission of the restrictive practice referred to above, the purchaser may,
and without prejudice to any other remedy provided for, invalidate the
item(s) offered, and / or terminate the contract in whole or part, and / or
bidder(s) or contractor(s) from conducting business with the public sector
exceeding ten (10) years and / or claim damages from the bidder(s) or
concerned.

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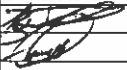


Part 5 – Schedule D
Declaration of Interest

SBD 4

DECLARATION OF INTEREST

1. Any legal person, including persons employed by the state¹, or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid (includes an advertised competitive bid, a limited bid, a Bid or written price quotation). In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where-
 - the bidder is employed by the state; and/or
 - the legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the bid.
2. **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**
 - 2.1 Full Name of bidder or his or her representative:
 - 2.2 Identity
Number:.....
 - 2.3 Position occupied in the Company (director, trustee, shareholder², member):
 - 2.4
 - 2.5 Registration number of company, enterprise, close corporation, partnership agreement or trust:
.....
 - 2.6 Tax Reference Number:
 - 2.7 VAT Registration Number:
 - 2.6.1 The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / PERSAL numbers must be indicated in paragraph 3 below.

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¹"State" means –

- (a) 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);
- (b) any municipality or municipal entity;
- (c) provincial legislature;
- (d) national Assembly or the national Council of provinces; or
- (e) Parliament.

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

2.7 Are you or any person connected with the bidder **YES /**
NO presently employed by the state?

2.7.1 If so, furnish the following particulars:

Name of person / director / trustee / shareholder/ member:

.....
.....
Name of state institution at which you or the person
connected to the bidder is employed :
.....

Position occupied in the state institution:
.....

Any other particulars:
.....
.....
.....


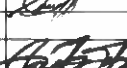

2.7.2 If you are presently employed by the state, did you obtain **YES /**
NO the appropriate authority to undertake remunerative work outside employment in the public sector?

2.7.2.1 If yes, did you attach proof of such authority to the bid **YES / NO**
document?

(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the bid.

2.7.2.2 If no, furnish reasons for non-submission of such proof:
.....

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2.8 Did you or your spouse, or any of the company's directors / trustees / shareholders / members or their spouses conduct business with the state in the previous twelve months? **YES / NO**

2.8.1 If so, furnish particulars:

2.9 Do you, or any person connected with the bidder, have any relationship (family, friend, other) with a person employed by the state and who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

2.9.1 If so, furnish particulars.

2.10 Are you, or any person connected with the bidder, aware of any relationship (family, friend, other) between any other bidder and any person employed by the state who may be involved with the evaluation and or adjudication of this bid? **YES/NO**

2.10.1 If so, furnish particulars.




2.11 Do you or any of the directors / trustees / shareholders / members of the company have any interest in any other related companies whether or not they are bidding for this contract? **YES/NO**

2.11.1 If so, furnish particulars:

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

Full Name	Identity Number	Personal Tax Number	Income Reference	State Number	Employee Number / Persal Number

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4 DECLARATION

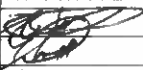


I, _____ THE _____ UNDERSIGNED
(NAME).....

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

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

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

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DRAFTED BY:		13.10.2022
RECOMMENDED BY:		13.10.2022
REVIEWED BY:		
APPROVED BY BN COMMITTEE (CHAIRPERSON)		13.10.2022
ADVERT APPROVED BY:		

Part 5 – Schedule E (i)

Declaration of Bidder's Past Supply Chain Management Practices




SBD 8

DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

- 1 This Standard Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by institutions 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 disregarded if that bidder, or any of its directors have-
 - a. abused the institution's supply chain management system;
 - b. committed fraud or any other improper conduct in relation to such system; or
 - c. failed to perform on any previous contract.
- 4 **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

Item	Question	Yes	No
4.1	Is the bidder or any of its directors listed on the National Treasury's database 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 National Treasury after the audi alteram partem rule was applied).	Yes <input type="checkbox"/>	No <input type="checkbox"/>
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)? <i>To access this Register enter the National Treasury's website, www.treasury.gov.za, click on the icon "Register for Tender Defaulters" or submit your written request for a hard copy of the Register to facsimile number (012) 3265445.</i>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.2.1	If so, furnish particulars:		

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4.3	Was the bidder or any of its directors convicted by a court of law (including a court outside of the Republic of South Africa) for fraud or corruption during the past five years?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.3.1	If so, furnish particulars:		
4.4	Was any contract between the bidder and any organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.4.1	If so, furnish particulars:		

CERTIFICATION

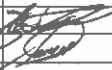


I, _____ THE _____ UNDERSIGNED (FULL NAME)

CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS TRUE AND CORRECT.

I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

Signature Date

Position Name of bidder




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APPROVED BY BSC COMMITTEE CHAIRPERSON:		13.10.2020
ADVERT APPROVED BY:		




Part 5 – Schedule E (ii)
CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Standard Bidding Document (SBD) must form part of all bids¹ 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 Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
 - a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
- 4 This SBD 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 (SBD 9) must be completed and submitted with the bid:

¹ Includes price quotations, advertised competitive bids, limited bids and Bids.

² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

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ADVERT APPROVED BY:		

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DRAFTED BY:		13.10.2020
RECOMMENDED BY:		13.10.20
REVIEWED BY:		
APPROVED BY RSC COMMITTEE (CHAIRPERSON)		13.10.20
ADVERT APPROVED BY:		

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

SUPPLY, DELIVER, INSTALLATION AND COMMISSIONING OF BEDHEADS SYSTEM AT DORA NGINZA REGIONAL HOSPITAL

in response to the invitation for the bid made by:

DORA NGINZA REGIONAL HOSPITAL




(Name of Institution)

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

I certify, on behalf of: _____ that:

(Name of Bidder)

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

	SIGNATURE	DATE
DRAFTED BY:		13.10.2020
RECOMMENDED BY:		13.11.20
REVIEWED BY:		
APPROVED BY BSC COMMITTEE (CHAIRPERSON)		13.10.2020
ADVERT APPROVED BY:		

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 consortium³ 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.

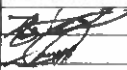


³ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

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




100

	SIGNATURE	DATE
DRAFTED BY:		13.10.2020
RECOMMENDED BY:		17.10.20
REVIEWED BY:		
APPROVED BY BSC COMMITTEE (CHAIRPERSON)		13.10.2020
ADVERT APPROVED BY:		

Position

Name of Bidder

101

	SIGNATURE	DATE
DRAFTED BY:		13.10.2020
RECOMMENDED BY:		15.10.20
REVIEWED BY:		
APPROVED BY BSC COMMITTEE (CHAIRPERSON)		17.10.2020
ADVERT APPROVED BY:		

Part 5 – Schedule F
Qualifications and Experience

1. Details of the extent of the bidders activities and business, e.g. branches etc:

2. A list of existing /previous contracts relating to services which are similar to the Services:

Description of Contract	Period		Contract Value	Contact Person	Contact Number
	Start Date	End date			

3. The number of years that the bidder has been in the business of providing services which are materially the same as the Services:

4. The name of the person who shall manage the Services:

5. Detail such person's qualifications and experience below :




.....
SIGNATURE OF (ON BEHALF OF) BIDDER

.....
NAME IN CAPITALS

In the presence of:

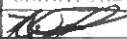


1.

102

	SIGNATURE	DATE
DRAFTED BY:		13/10/2020
RECOMMENDED BY:		19/10/20
REVIEWED BY:		
APPROVED BY BSC COMMITTEE (CHAIRPERSON)		13/10/2020
ADVERT APPROVED BY:		

2.

103

	SIGNATURE	DATE
DRAFTED BY:		13.10.2020
RECOMMENDED BY:		18.10.20
REVIEWED BY:		
APPROVED BY BSC COMMITTEE (CHAIRPERSON)		13.10.2020
ADVERT APPROVED BY:		

Part 5 – Schedule G

Organisation type

PARTNERSHIP/CLOSED CORPORATION/COMPANY
(delete which is not applicable)




The bidder comprises of the following partners/members/directors:

1. NAME : _____
ADDRESS : _____
ID NUMBER: _____
2. NAME : _____
ADDRESS : _____
ID NUMBER: _____
3. NAME : _____
ADDRESS : _____
ID NUMBER: _____
4. NAME : _____
ADDRESS : _____
ID NUMBER: _____
5. NAME : _____
ADDRESS : _____
ID NUMBER: _____

.....
SIGNATURE OF (ON BEHALF OF) BIDDER

.....
NAME IN CAPITALS

104

	SIGNATURE	DATE
DRAFTED BY:		13.10.2020
RECOMMENDED BY:		17.10.20
REVIEWED BY:		
APPROVED BY BSC COMMITTEE (CHAIRPERSON)		13.10.2020
ADVERT APPROVED BY:		

1. _____




2.

1. Provide full details of the organizational structure which will be utilized in the provision of the Services (including where appropriate an organogram)

[illegible]

NAME IN CAPITALS

105

	SIGNATURE	DATE
DRAFTED BY:		13.10.2020
RECOMMENDED BY:		13.10.20
REVIEWED BY:		
APPROVED BY BSC COMMITTEE (CHAIRPERSON)		13.10.2020
ADVERT APPROVED BY:		

1.

2.

Part 5 – Schedule I
Details of Supplier's Nearest Office

1. Physical address of supplier's office

1 Telephone No of office:

3 Time period for which such office has been used by supplier:

.....

.....
SIGNATURE OF (ON BEHALF OF) BIDDER




.....
NAME IN CAPITALS

In the presence of:

1.

2.

106

	SIGNATURE	DATE
DRAFTED BY:		13.10.2020
RECOMMENDED BY:		17.10.20
REVIEWED BY:		
APPROVED BY BSC COMMITTEE (CHAIRPERSON)		13.10.2020
ADVERT APPROVED BY:		

Part 5 – Schedule J
Financial Particulars

This schedule must be completed by the bidder and submitted together with the bid. **Documentary proof confirming availability of financial resources to execute the contract from the bidder's financial institution.** If this requirement is not complied with in full the bid may be considered invalid.

Nature of Service : **SUPPLY & DELIVERY,INSTALL AND COMMISSIONING OF HORIZOTAL BEDHEADS SYTEMS SERVICES AT DORA NGINZA**

Name of bidder: _____

Bid Number: _____

	<u>FINANCIAL POSITION OF BIDDER</u>
	I/we hereby certify that I/we have the necessary financial capacity and resources to execute the above contract successfully for the bid amount. I / we hereby attach letter confirming availability of financial resources from the financial institution. I / we give the ECDOH permission to contact the financial institution below to confirm the information provided.
	In the absence of the above, a letter confirming that the bidder has applied for financial assistance from any financial institution and that the institution is willing to favourably consider such application in the event that the bidder is successful, will also satisfy the Department.
NAME OF FINANCIAL INSTITUTION	
ADDRESS	
TEL.NO	
FAX NO	
CONTACT PERSON	

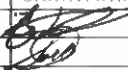


.....
SIGNATURE OF (ON BEHALF OF) BIDDER

.....
NAME IN CAPITALS

In the presence of:

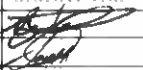


1.

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	SIGNATURE	DATE
DRAFTED BY:		13.10.2020
RECOMMENDED BY:		13.10.20
REVIEWED BY:		
APPROVED BY BSC COMMITTEE (CHAIRPERSON)		13.10.20
ADVERT APPROVED BY:		

2.

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	SIGNATURE	DATE
DRAFTED BY:		13.10.2020
RECOMMENDED BY:		17.11.20
REVIEWED BY:		
APPROVED BY BSC COMMITTEE (CHAIRPERSON)		13.10.2020
ADVERT APPROVED BY:		

Part 5 – Schedule K

SBD 6.1

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

This preference form must form part of all bids invited. It contains general information and serves as a claim 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 exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 preference point system shall be applicable; or
- b) Either the 80/20 or 90/10 preference point system will be applicable to this tender (*delete whichever is not applicable for this tender*).

1.3 Points for this bid shall be awarded for:

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

1.4 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




1.5 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.

1.6 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.

2. DEFINITIONS

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

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	SIGNATURE	DATE
DRAFTED BY:		13.10.2020
RECOMMENDED BY:		13.10.20
REVIEWED BY:		
APPROVED BY BSC COMMITTEE CHAIRPERSON:		13.10.2020
MANAGER APPROVED BY:		

- (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;

1	10	20
2	9	18
3	6	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	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 10 or 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) The B-BBEE status level of the sub-contractor.....

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


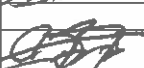
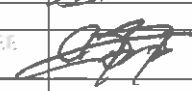
(Tick applicable box)

YES	NO
-----	----

v) 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		

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	SIGNATURE	DATE
DRAFTED BY		13.10.2020
RECOMMENDED BY		17.10.20
REVIEWED BY		
APPROVED BY EPC COMMITTEE (CHAIRPERSON)		13.10.2020
ADVERT APPROVED BY		

OR

Any EME		
Any QSE		

8. DECLARATION WITH REGARD TO COMPANY/FIRM

8.1 Name of company/firm:.....

8.2 VAT registration number:.....

8.3 Company registration number:.....

8.4 TYPE OF COMPANY/ FIRM

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

[TICK APPLICABLE BOX]

8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....
.....
.....

8.6 COMPANY CLASSIFICATION

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




[TICK APPLICABLE BOX]

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

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

- The information furnished is true and correct;
- The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- 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;
- 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 –




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	SIGNATURE	DATE
DRAFTED BY:		13.10.2020
RECOMMENDED BY:		13.10.20
REVIEWED BY:		
APPROVED BY BSL COMMITTEE CHAIRPERSON		13.10.2020
ADVERT APPROVED BY		

- (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 1. 2.	<div style="text-align: center; border-top: 1px dotted black; margin-bottom: 10px;">SIGNATURE(S) OF BIDDERS(S)</div> DATE: ADDRESS:
--	---

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	SIGNATURE	DATE
DRAFTED BY:		13.10.2020
RECOMMENDED BY:		17.10.20
REVIEWED BY:		
APPROVED BY BSC COMMITTEE (CHAIRPERSON)		13/10/2020
ADVERT APPROVED BY		

	SIGNATURE	DATE
DRAFTED BY:		13.10.2020
RECOMMENDED BY:		13.10.20
REVIEWED BY:		
APPROVED BY BSC COMMITTEE (CHAIRPERSON)		13.10.2020
ADVERT APPROVED BY:		