

WESTERN CAPE GOVERNMENT

DEPARTMENT OF HEALTH AND WELLNESS

NEC4 ENGINEERING AND CONSTRUCTION SHORT CONTRACT (ECSC4) Delivery & Maintenance of Infrastructure

Template Version 2.03 – November 2024

TENDER No : WCGHIC0001/2026

PROJECT TITLE : Groote Schuur Hospital - Chiller & Cooling Towers Replacement

TENDER CLOSING : 2 October 2026 at 11h00

<u>CLIENT</u>		<u>CLIENT'S AGENT</u>	
DEPARTMENT OF HEALTH AND WELLNESS: HEAD OFFICE		Denton Smith	
<u>PHYSICAL ADDRESS</u>	<u>POSTAL ADDRESS</u>	<u>PHYSICAL ADDRESS</u>	<u>POSTAL ADDRESS</u>
22nd Floor 4 Dorp Street Cape Town 8001	22nd Floor 4 Dorp Street Cape Town 8001	Engineering Department Groote Schuur Hospital Main Road Observatory 7925	Engineering Department Groote Schuur Hospital Main Road Observatory 7925
Contact: Aniswa Mfana/ Jamie-Lee Platjies Phone: 021-483 9903 Email: Aniswa.Mfana@westerncape.gov.za Jamie-Lee@westerncape.gov.za		Contact: Denton Smith Phone: 021-404 3163/6201 Email: Denton.Smith@westerncape.gov.za	

NOTE:

All returnable documents as listed on page 12 in this document, including the Form of Offer C1.1 on page 42 must be completed in full and signed. The entire document, from page 1 through 101 must be submitted with your tender. Non-compliance will render your tender invalid.

Name of Tendering Entity:

Company/Corporation Registration Number:

CSD/WCSEB Registration Number: MAAA.....

Contact Name/Number:

Email Address:

WESTERN CAPE GOVERNMENT: HEALTH
DIRECTORATE: SUPPLY CHAIN
(INFRASTRUCTURE SOURCING)
BID OPENED 11:00

2026-10-02

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WESTERN CAPE GOVERNMENT

DEPARTMENT OF HEALTH AND WELLNESS

Groote Schuur Hospital - Chiller & Cooling Towers Replacement

IMPORTANT NOTICE: Please DO NOT disassemble or dismember this document. DO NOT insert any attached pages to returnable schedules within the page sequence of the document. All additional pages must be attached AFTER the last page of the document and clearly marked to which returnable schedule they belong.

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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement**

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WESTERN CAPE GOVERNMENT: HEALTH
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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****T1.1 Tender notice and invitation to tender**

The **DEPARTMENT OF HEALTH AND WELLNESS: HEAD OFFICE, WESTERN CAPE GOVERNMENT**, invites tenders for Tender No. **WCGHIC0001/2026: Groote Schuur Hospital - Chiller & Cooling Towers Replacement**.

It is estimated that tenderers should have a CIDB contractor grading designation of **6ME** or higher.

Preferences are allocated to tenderers for Broad-Based Black Economic Empowerment (B-BBEE) status level of contribution.

Tender documents are available for download from the eTender Portal of National Treasury, at <https://www.etenders.gov.za>, and are free of charge.

DEPARTMENT OF HEALTH AND WELLNESS: HEAD OFFICE

Queries relating to the technical specification of these documents may be addressed to:

Name:	Denton Smith
Phone:	021-404 3163/6201
Email:	Denton.Smith@westerncape.gov.za

The closing time for receipt of tenders is **2 October 2026 at 11h00**. Facsimile, e-mail, copied and late tenders will not be accepted.

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

A compulsory site/clarification meeting with representatives of the *Client* will take place at:

Location: Groote Schuur Hospital - Goods Yard Loading Dock
 Date: 10 September 2026
 Starting Time: 10:00

Supplier Database Registration

All **prospective** Service Providers **must** be registered on:

- The Central Supplier Database (**CSD**), by tender closing date.
- All prospective Service Providers who are not registered on the CSD are requested to self-register via www.csd.gov.za.

All prospective Service Providers **MUST** be registered on the Central Supplier Database (CSD) prior to tender closing.

All prospective Service Providers who are not registered on the CSD are requested to self-register on www.csd.gov.za.

Should service providers require assistance with the registration process, you may contact Roderick April on (021) 483 0582/ Roderick.April@westerncape.gov.za.

WESTERN CAPE GOVERNMENT: HEALTH
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 (INFRASTRUCTURE SOURCING)
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Page 4 of 101

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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****T1.2 Tender Data**

The Conditions of Tender are the **Standard Conditions of Tender as contained in Annex C of the CIDB Standard for Uniformity in Engineering and Construction Works Contracts, August 2019**, as per Board Notice 136 of 2015 in Government Gazette 38960 of 10 July 2015 and any erratum notices issued thereafter (see www.cidb.org.za).

The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the standard Conditions of Tender. Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies.

Clause	Tender Data								
C.1	General								
C.1.1	In this document "<i>Client</i>" means the "<i>client</i>" as referenced in the Standard Conditions of Tender, and the terms may be used interchangeably in this document. The <i>Client</i> is DEPARTMENT OF HEALTH AND WELLNESS: HEAD OFFICE, WESTERN CAPE GOVERNMENT.								
C.1.2	Tender Documents The Tender Document (this document), issued by the <i>Client</i> and comprising the following parts: Part T: The Tender Part T1: Tendering Procedures T1.1 Tender notice and invitation to tender T1.2 Tender Data Part T2: Returnable Documents T2.1 List of returnable documents T2.2 Returnable schedules Part C: The Contract Part C1: Agreement and Contract Data C1.1 Form of Offer and Acceptance C1.2 Contract Data: Contract Data Part One: Data provided by the <i>Client</i> Contract Data Part Two: Data provided by the <i>Contractor</i> C1.3 Proforma Performance Bond Part C2: Pricing Data C2.1 Pricing assumptions & instructions C2.2 Pricing schedule Part C3: Scope of Work Part C4: Site information Appendix: Drawings, schematics & annexures This tender document must be completed in black ink and contains the "returnable documents" which must be completed in terms of submitting a tender offer.								
C.1.4	The <i>Client's</i> Agent is: <table border="1"> <tr> <td>Name:</td><td>Denton Smith</td></tr> <tr> <td>Address Line 1</td><td>Engineering Department</td></tr> <tr> <td>Address Line 2</td><td>Groote Schuur Hospital</td></tr> <tr> <td>Address Line 3</td><td>Main Road</td></tr> </table>	Name:	Denton Smith	Address Line 1	Engineering Department	Address Line 2	Groote Schuur Hospital	Address Line 3	Main Road
Name:	Denton Smith								
Address Line 1	Engineering Department								
Address Line 2	Groote Schuur Hospital								
Address Line 3	Main Road								

WESTERN CAPE GOVERNMENT: HEALTH DIRECTORATE: SUPPLY CHAIN (INFRASTRUCTURE SOURCING) BID OPENED 11:00	
2026-10-02	
1).....	2).....
SIGNED	SIGNED

Clause**Tender Data**

Postal Code:	Observatory 7925
Contact no:	021-404 3163/6201
Email address:*	Denton.Smith@westerncape.gov.za

* Address for electronic communications

C.2**Tenderer's obligations**

C.2.1

Only those tenderers who are registered with the CIDB and whose registrations are active at close of tender and who satisfy the grading requirement of a CIDB grading of a **6ME** or higher, as calculated in terms of the CIDB regulations, are eligible to have their tenders evaluated.

C.2.7.1

A compulsory site/clarification meeting with representatives of the *Client* will take place at:

Location: Groote Schuur Hospital - Goods Yard Loading Dock
Date: 10 September 2026
Starting Time: 10:00

THE FOLLOWING CONDITIONS APPLY:

- (a) A tender will automatically be disqualified if the meeting is not attended by a representative of the tendering entity.
- (b) Representatives of tendering entities must complete and sign the meeting attendance register, providing full details as required on the register, failure of which will disqualify the tender.
- (c) The name of the **lead entity** in an envisaged consortium/joint venture must appear on the attendance register, failure of which will disqualify a tender submitted by the consortium/joint venture.
- (d) A representative may not attend the meeting on behalf of more than one tendering entity. This constitutes anti-competitive behaviour, and when multiple tenders are submitted which reference the attendance of the same person at the site/clarification meeting, ALL those tenders will be disqualified.
- (e) Tendering entities must be represented by a person who is suitably qualified and experienced to comprehend the implications of the tender.
- (f) The chairperson may delay the start of the meeting at his sole discretion, as dictated by circumstances, in order to accommodate late arrivals, within reason. Arrivals more than 20 minutes late will be excluded.
- (g) Recorded minutes as well as addenda or any other information, where applicable, will be issued to all whom attended the meeting.
- (h) Requests for additional information can be directed to the *Client's* representative via email, not later than one week prior to tender closing. Requests received after the cut-off date will not be responded to. The response to requests for clarification or additional information will be disseminated among all tenderers who attended the meeting.
- (i) Information provided to tenderers at the clarification meeting or thereafter and which is recorded in the *Client's* minutes of the meeting or other documentation issued, forms part of the Conditions of Tender. Failure to comply with such conditions may disqualify the tender. Addenda issued (if any) **MUST** be included in the tender submission, failure of which will disqualify the tender. If the tenderer claims that addenda were not received but the *Client* can prove transmission thereof to the email address as provided by the tenderer, the submitted offer will be rejected.

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C.2.10.5

The rates and prices offered by the tenderer must be inserted into the pricing schedule of this tender document. Failure to do so will disqualify the tender. Printouts of electronic spreadsheets or any form of substitute for the returnable pages of the pricing schedule are not accepted for this tender.

C.2.11

PLEASE NOTE: No alterations/corrections to inserted information in the document (including pricing) may be performed by erasing or using masking fluid ("Tipp-Ex" or similar) on any submitted page. Alterations/corrections to inserted information may only be performed as follows:

Clause	Tender Data
	(a) Strike a line through the incorrect information, write the corrected information as appropriate (under, above or next to the information to be corrected), and initial at every incidence of alteration/correction. (b) In the case of access to a digital copy of the tender document (PDF), simply reprint the page, enter the information on the reprinted page and substitute in the document before submission. Tender submissions with alterations/corrections not in compliance with the requirements as described above, will be rejected.
C.2.12.1	No alternative tender offers will be considered.
C.2.13.2	PLEASE NOTE: The complete tender document comprising pages 1 through 101 must be returned to the Client when submitting a tender offer. If the pricing schedule or parts thereof are contained in the Appendix to this document, the duly completed pricing schedule or parts thereof must be returned with the tender document. Failure to do so will invalidate the tender. Other drawings, schematics or annexures in the Appendix need NOT be returned with the tender offer, unless there are specific instructions for a specific item to be returned, or if the tenderer wishes to utilise any item for clarification purposes when submitting an alternative tender offer, when applicable.
C.2.13.4	The tender shall be signed by a person duly authorised to do so. Tenders submitted by joint ventures of two or more entities shall be accompanied by the document of formation of the joint venture, authenticated by a notary public or other official deputed to witness sworn statements, in which is defined precisely the conditions under which the joint venture will function, its period of duration, the persons authorised to represent and obligate it, the participation of the several entities forming the joint venture, and any other information necessary to permit a full appraisal of its functioning. The document of formation of the joint venture shall state explicitly what the percentage participation in the joint venture will be of each entity involved.
	It is a specific condition of this tender that the lead entity of a joint venture shall have the highest CIDB grading of all entities comprising the joint venture, and that the lowest CIDB grading of any entity in the joint venture shall be no more than two grades below the highest. Correspondingly, the value of the percentage of work executed by each entity shall not exceed 20% of the maximum of its designated CIDB grading value range.
C.2.13.6	A two-envelope procedure will NOT be followed.
C.2.13.7	The <i>Client's</i> address for delivery of tender offers and identification details to be shown on each tender offer package are: Location of tender box: 4 Dorp Street, Adjacent to the Cape High Court, junction of Dorp and Keeron Street CAPE TOWN Identification details: Tender No: WCGHIC0001/2026 Tender offers couriered to the <i>Client</i> must be delivered to the following address: DEPARTMENT OF HEALTH AND WELLNESS: HEAD OFFICE 4 Dorp Street, Adjacent to the Cape High Court, junction of Dorp and Keeron Street CAPE TOWN 8001 The tender box is open 24 hours a day, 7 days a week.
C.2.14	The <i>Client</i> requires tenderers to return a fully priced pricing schedule with the tender submission. ALL items in the pricing schedule MUST be priced. Please note the following: a) Tenders showing a pattern of unpriced items in the pricing schedule, will be disqualified.

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Clause	Tender Data
	b) Summarising parts or sections of the pricing schedule into single lump sums or rates without providing the breakdown of pricing of items as per the pricing schedule, is not acceptable and will disqualify the tender. c) Where an item is encountered against which no Price or rate is entered and it can be reasonably attributed to accidental omission on the part of the tenderer, that item will be treated as covered by other Prices or rates in the pricing schedule.
C.2.15	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender. Facsimile, e-mail, copied and late tenders will not be accepted.
C.2.16	The tender offer validity period is approximately 90 Days , expiring on 31 December 2026 . The <i>Client</i> reserves the right to extend the validity period for any additional period if deemed in the interest of the <i>Client</i> .
C.3	The <i>Client's</i> undertakings
C.3.4.1	No clause
C.3.5.1	No clause
C.3.5.2	No clause
C.3.8.1	Test for responsiveness: Tenders will be considered non-responsive if: - the tender is not in compliance with the requirements of the Conditions of Tender; - the tender has not been properly and fully completed and signed, - the tender is not responsive to the other requirements of the tender document/s including the specifications; - the tenderer has not provided proof of tax compliance either via an attached printout of a Central Supplier Database (CSD) tax compliance verification report dated no more than one week prior to tender closing, or by attaching written proof by SARS of approved arrangements in terms of the tenderer's tax clearance; - the tenderer has failed to clarify or submit any supporting documentation within seven days of being requested to do so by the <i>Client</i> in writing.
C.3.9.2	Arithmetical errors and discrepancies: - If pricing for the tender is a lump sum offer without a breakdown of rates and prices in a pricing schedule and there is a discrepancy between the amount in words and the amount in figures, the amount in words shall govern. - If a pricing schedule in the form of a bill of quantities, a price list, activity schedule or other format applies, the <i>Client</i> shall check all substantively responsive tenders for errors and discrepancies in the pricing schedule and offer form, and correct such errors and discrepancies in the following manner: - o Where there is a discrepancy between the unit rate and the total price for any line item that is obtained by multiplying the unit rate and the quantity stated for that line item, the unit rate shall prevail and the total price for that line item shall be corrected, unless in the opinion of the <i>Client</i> there is an obvious misplacement of the decimal point in the unit rate, in which case the total price for that line item shall prevail and the unit rate shall be corrected. - o Where there is an error in the total of the prices either as a result of corrections made in accordance with the above or in the tenderer's addition of prices, the total of the prices shall be corrected. - o Where there is a discrepancy between the total of the prices in the pricing schedule and the total tender amount, or a discrepancy between the total amount in words and the total amount in figures, the amount corresponding to the correct total of the prices in the pricing schedule shall prevail and the others corrected. - Tenderers shall be notified by the <i>Client</i> of corrections made in accordance with C.3.9.2 and requested to accept the corrections including, where applicable, a corrected total tender offer. If the tenderer fails to accept the corrections so notified



Clause	Tender Data
	within a stated period after receipt of the <i>Client's</i> request to do so, the tender will be rejected. - If corrections made in accordance with C.3.9.2 results in a change in the total tender amount of any of the tenderers, all substantively responsive tenderers shall be notified of the corrected amounts by the <i>Client</i>, to ensure transparency of the correction process. If local content provisions apply to this tender, the arithmetical error checking process will include arithmetic checking of Local Content percentage as well.
C.3.11	The procedure for the evaluation of responsive tenders is Method 1 (Price and Preference) Price will be scored using the Formula $P_s = 80(1 - ((P_t - P_{min})/P_{min}))$ where: 1. P_s is the number of points scored for comparative price of tender under consideration; 2. P_{min} is the comparative price of the lowest acceptable tender offer; 3. P_t is the comparative price of tender offer under consideration. Preference will be scored as follows: Up to 20 tender evaluation points will be awarded to tenderers who complete the preferencing schedule and who are found to be eligible for the preference claimed. The maximum attainable combined score for price and preference is 80+20=100 points. All responsive tender offers are subject to a comprehensive risk assessment in terms of: 1. Financial viability and sustainability; 2. Evaluation and validation of the required information provided by the tenderer in inter alia returnable schedules. The <i>Client</i> reserves the right to request, in writing, additional information from tenderers to clarify their offer if deemed necessary for risk assessment purposes. Failure on the part of the tenderer to provide the additional information within seven days after receipt of such a request will disqualify the tender. Tender offers which present an unacceptable high risk to the <i>Client</i> will be passed over for award.
C.3.13.1	Tender offers will only be considered if all the requirements as stated in the Conditions of Tender and Tender Data are complied with. Specific emphasis is placed on the following criteria for responsiveness: 1. Valid B-BBEE Status Level Verification Certificate of main Contractor, or a sworn affidavit; 2. the tenderer is registered on the Central Supplier Database (CSD) by close of tender; 3. the tenderer is registered with the Construction Industry Development Board (CIDB) in the appropriate contractor grading designation (6ME or higher) stated in this Tender Data by close of tender; 4. A valid Letter of Good standing from the Department of Labour (Compensation Commissioner) for COIDA, where the nature of business listed on the document must be related to the scope of works in this document; 5. Printout or screenshot from SAQCC website or copy of the SAQCC Authorized Practitioner Card of a Category B6 Practitioner, authorized to install and maintain refrigeration systems, who is within the employment of the Tendering company and registered in the company's name. 6. A valid Letter of Good Standing of Financial Account from the chiller supplier. 7. Manufacturer's data sheets for chiller, cooling towers, pumps and water treatment system. 8. Proof of Local Office located in the Western Cape (e.g lease agreement, utility bill can be submitted as proof) 9. A proposed programme of the works. 10. the tenderer submits this complete tender document from page 1 to page 101 inclusive, with all returnable schedules duly completed and priced as per the instructions pertaining to each schedule and section, and requirements stated in this Tender Data at the close of tender; 11. the tenderer or any of its directors is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector;

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Clause	Tender Data
	12. the tenderer has not: - abused the <i>Client's</i> Supply Chain Management System, evidence of which can be clearly demonstrated by the <i>Client</i>; - failed to complete any previous contract due to the tenderer's own fault for any organ of state within the last 2 years; - submitted more than one offer (including participation in joint venture arrangements with others), and 13. has completed inter alia the Compulsory Enterprise Questionnaire and the Declaration of Interests (WCBD4), meets the local content minimum thresholds (if applicable) and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the <i>Client</i> or potentially compromise the tender process.

WESTERN CAPE GOVERNMENT: HEALTH DIRECTORATE: SUPPLY CHAIN (INFRASTRUCTURE SOURCING) BID OPENED 11:00	
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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement**

Part T2: Returnable documents	
T2.1 List of returnable documents	Page 12
T2.2 Returnable schedules	Page 14

WESTERN CAPE GOVERNMENT: HEALTH
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WESTERN CAPE GOVERNMENT

DEPARTMENT OF HEALTH AND WELLNESS

Groote Schuur Hospital - Chiller & Cooling Towers Replacement

T2.1 List of returnable documents

IMPORTANT: The tenderer must complete all returnable schedules. Use the "Check" column to tick completion of each returnable schedule as a verification procedure to ensure all schedules are duly completed. Please see instructions for completion of returnable schedules under heading T2.2 following on the next page.

1. Returnable schedules required for tender evaluation and contracting purposes

Schedule No	Schedule Description & Location	Check
Tender Schedules:		
T01	Tender offer signature and authority of signatory Page 15	☐
T02	Compulsory Enterprise Questionnaire Page 21	☐
T03	WCBD 6.1 (a): Preference Certificate (80:20) Page 24	☐
T04	WCBD4: Declaration of interest Page 30	☐
T05	Addenda / Notices issued to tenderers Page 37	☐
T06	Schedule of work experience Page 38	☐
Contract Schedules:		
C01	C1.1 Form of Offer and Acceptance Page 42	☐
C02	C1.2 Contract Data Part Two: Data provided by the Contractor Page 51	☐
	C1.3 Proforma Performance Bond Page 52	☐
C03	Pricing Summary Page 58	☐
C04	Price List Page 60	☐
C05	Contract information required from Contractor Page 93	☐
C06	Amendments by Contractor Page 94	☐
C07	Contractor's Equipment schedule Page 95	☐
C08	Contractor's schedule of subcontractors Page 96	☐
C09	Contractor's proposed work programme Page 97	☐
C10	Contractor's health & safety plan Page 98	☐
C11	Contractor's environmental management plan Page 99	☐

2. Returnable Documents to be submitted with tender

Document	Check
1. Valid B-BBEE Status Level Verification Certificate of main Contractor, or a sworn affidavit;	☐
2. Valid proof of registration as a Supplier on the Central Supplier Database (CSD), including details of successful bank verification and tax compliance.	☐
3. Valid proof of registration as a contractor with the Construction Industry Development Board (CIDB), the minimum grading of which is specified in the Tender Data (6ME);	☐

4. A valid Letter of Good standing from the Department of Labour (Compensation Commissioner) for COLDIA, where the nature of business listed on the document must be related to the scope of works in this document;	☐
5. Printout or screenshot from SAQCC website or copy of the SAQCC Authorized Practitioner Card of a Category B6 Practitioner, authorized to install and maintain refrigeration systems, who is within the employment of the Tendering company and registered in the company's name.	☐
6. A valid Letter of Good Standing of Financial Account from the chiller supplier.	☐
7. Manufacturer's data sheets for chiller, cooling towers, pumps and water treatment system, as specified in 3.4 DETAILED TECHNICAL SPECIFICATION OF WATER CHILLER REPLACEMENT.	☐
8. Proof of Local Office located in the Western Cape (e.g lease agreement, utility bill can be submitted as proof)	☐
9. Proposed work programme as specified in Section C3, Schedule C09	☐

WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement**

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2026-10-021).....
SIGNED2).....
SIGNED**T2.2 Returnable schedules****Important information for completing returnable schedules**

1. The returnable schedules list T2.1 shows all the returnable schedules which need to be completed and returned for tender evaluation and contracting purposes. This list includes both document-standard and project-specific schedules. List T2.1 should be used as a checklist by the tenderer to verify that all returnable schedules have been duly completed, to avoid the tender being rejected as non-responsive due to an incomplete submission.
2. Each returnable schedule is numbered, starting at Schedule T01 and following a consecutively incremented whole number sequence through the tender document to the final schedule number assigned, as per the returnable schedules list.
3. Although all returnable schedules are numbered and follow in numeric sequence, they are not all grouped together in a single location in this tender document. Returnable schedules are divided into 2 groups:
 - i. Tender Schedules
 - ii. Contract Schedules

The first group of schedules (Tender Schedules) follow directly from here on forward in Part T2.2, with the remainder (Contract Schedules) following in various sub-sections of Part C of this tender document. Schedules can be quickly located by their document page number given in the list of returnable schedules T2.1.

4. The tenderer must furnish all the information required for each returnable schedule with the indicated amount of detail to ensure compliancy of the tender with responsiveness criteria. Please note: If any returnable schedule or part thereof is not applicable to the tenderer, that schedule or part thereof must be clearly marked "Not Applicable" (N/A), and not simply left blank. Schedules left blank without any indication of response by the tenderer to the requested information in the schedule, will be taken as an omission of the requested information.
5. Some schedules may either require, or have as an option, additional pages of information to be appended by the tenderer when submitting the tender. In each case the exact number of additional pages must be indicated in the space provided on that schedule, or indicated as NIL if no additional pages are appended. All appended pages must be clearly marked with the schedule number to which they belong.

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2026-10-021).....
SIGNED2).....
SIGNED**SCHEDULE T01: Tender offer signature and authority of signatory**

The purpose of this Schedule is:

Section 1: To obtain the necessary information about the tendering entity and the official tender offer signature of the tenderer;

Section 2: To establish authority of the signatory to sign the tender offer and all other documents and/or correspondence in connection with and relating to the tender.

INSTRUCTIONS FOR COMPLETING SCHEDULE T01:

Tendering entities may be sole proprietors, partnerships, trusts, companies, close corporations or consortia / joint ventures. Schedule T01 must be completed as follows:

- **If the tendering entity is a sole proprietor, trust, partnership, company or close corporation**, then complete both this page and Section 2.1 of this Schedule, and leave Sections 2.2 and 2.3 blank.
- **If the tendering entity is a consortium or joint venture**, then complete both this page and Sections 2.2 and 2.3 of this Schedule, and leave Section 2.1 blank.
- The contact details below must be the officially designated contact addresses which will be used by the *Client* for any and all communication in regard to this tender.

Section 1: Official tender offer signature

THE TENDERING ENTITY IS: (Circle or mark with X the applicable option)

Sole proprietor	Partnership	Trust	Company	Close corporation	Consortium	Joint venture
-----------------	-------------	-------	---------	-------------------	------------	---------------

NAME OF THE TENDERING ENTITY:

.....
 (Legally correct full name of the tendering entity)

Registration number of the tendering entity:

CONTACT DETAILS:

Physical & Postal Address:

.....

.....

.....

..... (Postal Code)

Telephone number:

Mobile number:

Email address:

Section 1 (continued...)

For the purpose of simplifying the tender document and tender submission process, the official tender offer signature below by the tenderer shall apply to this tender document as a whole, inclusive of all forms and returnable schedules which in the past required separate signatures on each form, including the Form of Offer.

DULY AUTHORISED REPRESENTATIVE TO DEPOSE TO AFFIDAVIT/SOLEMNLY AFFIRM

Declaration and signature to be provided by the duly authorised representative of the entity under oath or solemnly affirmed before a Commissioner of Oaths, failure of which will disqualify the tender submission.

I, hereby swear/solemnly affirm

- i. that the information disclosed in this tender document is true and accurate;
- ii. that I understand the contents of this tender document;
- iii. that the entity undertakes to independently arrive at any offer at any time to the *Client* without any consultation, communication, agreement or arrangement with any competitor. In addition, that there will be 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 the *Client*;
- iv. that the entity is aware of, and undertakes not to, disclose the terms of any tender, formal or informal, directly or indirectly, to any competitor, prior to the awarding of the contract, and
- v. that the authorised signature below serves as the required signature for ALL returnable schedules, including but not limited to the Form of Offer and Acceptance, Preference Certificate, Declaration of Interest and others.

AUTHORISED SIGNATURE OF TENDERER

WESTERN CAPE GOVERNMENT: HEALTH	
DIRECTORATE: SUPPLY CHAIN (INFRASTRUCTURE SOURCING) BID OPENED 11:00	
2026-10-02	
1)..... SIGNED	2)..... SIGNED

TO BE COMPLETED BY COMMISSIONER OF OATHS:

I certify that before administering the oath/solemn affirmation I asked the deponent the following questions and wrote down his/her answers in his/her presence:

- | | |
|--|---------------|
| 1.1 Do you know and understand the contents of this declaration? | ANSWER: |
| 1.2 Do you have any objection to taking the prescribed oath and wish to make a solemn affirmation instead? | ANSWER: |
| 1.3 Do you consider this declaration to be binding on your conscience? | ANSWER: |

I certify that the deponent has acknowledged that he/she knows and understands the contents of this document inclusive of all declarations therein, which was sworn to/solemnly affirmed before me and the deponent's signature placed thereon in my presence.

.....
SIGNATURE **FULL NAMES** (Commissioner of Oaths)

Designation (rank)ex officio: Republic of South Africa

Date:

Place

Address:

Commissioner's Stamp

Section 2: Authority of signatory**2.1: Resolution of board of *Trustees/Directors/Members/Partners**

Notes:

1. *Delete which is not applicable.
2. IMPORTANT: This resolution must be signed by ALL the trustees/directors/members/partners of the tendering entity.
3. Should the number of trustees/directors/members/partners exceed the space available below, additional names and signatures must be supplied on a separate page.

RESOLUTION by the *Proprietor/Board of *Trustees/Directors/Members/Partners of:

.....
 (Legally correct full name and registration number, if applicable, of the tendering entity)

Taken at On
 (Place) (Date)

	Name of Proprietor/Trustee/Director/Member/Partner	Capacity	Signature
1			
2			
3			
4			
5			
6			

(Append separate page if not enough space)

RESOLVED that:

1. The entity submits a tender to the Department of Health and Wellness in respect of Tender No: **WCGHIC0001/2026: Groote Schuur Hospital - Chiller & Cooling Towers Replacement**
2. *Mr/Mrs/Ms:

in *his/her capacity as:
 (Position in the entity)

and who will sign the tender offer in Section 1 of this Schedule, be, and is hereby authorised, to sign the tender, and any and all other documents and/or correspondence in connection with and relating to the tender and any and all documentation, resulting from the award of the tender to the entity mentioned above.

Number of additional pages appended by the tenderer to this Schedule:(If nil, enter NIL).

WESTERN CAPE GOVERNMENT: HEALTH DIRECTORATE: SUPPLY CHAIN (INFRASTRUCTURE SOURCING) BID OPENED 11:00 2026-10-02 1)..... 2)..... SIGNED SIGNED	
---	--

2.2: Resolution to enter into Consortium / Joint Venture

Notes:

1. *Delete which is not applicable
2. A separate copy of this Section 2.2 must be duly completed, signed and submitted for each consortium/joint venture partner.
3. IMPORTANT: This resolution must be signed by ALL the trustees/directors/members/partners of the entity entering into the consortium/joint venture.
4. Should the number of representatives exceed the space available below, additional names and signatures must be supplied on a separate page.

RESOLUTION by the *Proprietor/Board of *Trustees/Directors/Members/Partners of:.....
(Legally correct full name and registration number, if applicable, of the entity)Taken at On
(Place) (Date)

WESTERN CAPE GOVERNMENT: HEALTH
DIRECTORATE: SUPPLY CHAIN
(INFRASTRUCTURE SOURCING)
BID OPENED 11:00

2026-10-02

1)..... 2).....
SIGNED SIGNED

	Name of Proprietor/Trustee/Director/Member/Partner	Capacity	Signature
1			
2			
3			
4			
5			
6			

(Append separate page if not enough space)

RESOLVED that:

1. The entity submits a tender, in consortium/joint venture with the following entities to the Department of Health and Wellness in respect of Tender No **WCGHIC0001/2026: Groote Schuur Hospital - Chiller & Cooling Towers Replacement**

	Full legally correct name of entity	Registration No (if applicable)
1		
2		
3		
4		
5		
6		

(Append separate page if not enough space)

Number of additional pages appended by the tenderer to this Schedule:(If nil, enter NIL).

2.3: Resolution to tender as Consortium / Joint Venture

Notes:

1. IMPORTANT: This resolution must be signed by ALL the representatives of the tendering consortium/joint venture.
2. Should the number of representatives exceed the space available below, additional names and signatures must be supplied on a separate page.
3. Enter the entity details and representative details in the same and corresponding numerical sequence into the respective tables below.

RESOLUTION of a meeting of the duly authorised representatives of the following legal entities who have entered into a consortium/joint venture to jointly tender for Tender No: **WCGHIC0001/2026: Groote Schuur Hospital - Chiller & Cooling Towers Replacement**

	Full legally correct name of entity	Registration No (if applicable)
1		
2		
3		
4		
5		
6		

(Append separate page if not enough space)

Held at On.....
(Place) (Date)

	Name of authorised representative	Capacity	Signature
1			
2			
3			
4			
5			
6			

(Append separate page if not enough space)

WESTERN CAPE GOVERNMENT: HEALTH DIRECTORATE: SUPPLY CHAIN (INFRASTRUCTURE SOURCING) BID OPENED 11:00 2026-10-02 1)..... 2)..... SIGNED SIGNED	
---	--

RESOLVED that:

- A. The abovementioned entities submit a tender in consortium/ joint venture to the Department in respect of the tender mentioned above.
- B. *Mr/Mrs/Ms:
 in *his/her capacity as:
 (Position in the tendering consortium/joint venture)
- and who will sign the tender offer in Section 1 of this Schedule, be, and is hereby authorised, to sign the tender, and any and all other documents and/or correspondence in connection with and relating to the tender, as well as to sign any contract, and any and all documentation, resulting from the award of the tender to the entities in the consortium/joint venture mentioned above.
- C. The entities constituting the consortium/joint venture, notwithstanding its composition, shall conduct all business under the name and style of:

 (Consortium/joint venture name)
- D. The entities to the consortium/joint venture accept joint and several liability with the parties above for the due fulfillment of the obligations of the consortium/joint venture deriving from, and in any way connected with, the contract to be entered into with the Department in respect of the tender mentioned above.
- E. Any of the entities to the consortium/joint venture intending to terminate the consortium/joint venture agreement, for whatever reason, shall give the Department 30 days written notice of such intention. Notwithstanding such decision to terminate, the entities shall remain jointly and severally liable to the Department for the due fulfillment of the obligations of the consortium/joint venture as mentioned under item D above.
- F. No entity to the consortium/joint venture shall, without the prior written consent of the other entities to the consortium and of the Department, cede any of its rights or assign any of its obligations under the consortium/joint venture agreement in relation to the contract with the Department referred to herein.
- G. The entities choose as domicilium citandi et executandi of the consortium/joint venture for all purposes arising from the consortium/joint venture agreement and the contract with the Department in respect of the tender mentioned above, the physical address and contact details as furnished on the first page of this Schedule.

Number of additional pages appended by the tenderer to this Schedule:(If nil, enter NIL).

WESTERN CAPE GOVERNMENT: HEALTH DIRECTORATE: SUPPLY CHAIN (INFRASTRUCTURE SOURCING) BID OPENED 11:00 2026-10-02 1)..... 2)..... SIGNED SIGNED	
---	--

WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement**

WESTERN CAPE GOVERNMENT: HEALTH
 DIRECTORATE: SUPPLY CHAIN
 (INFRASTRUCTURE SOURCING)
 BID OPENED 11:00

2026-10-02

1).....
 SIGNED

2).....
 SIGNED

SCHEDULE T02: Compulsory Enterprise Questionnaire

Note: In the case of a consortium/joint venture, separate enterprise questionnaires as per this schedule in respect of each consortium/joint venture partner must be completed and submitted.

The tenderer must be shown to be tax compliant either via an attached printout of a CSD tax compliance verification report dated no more than one week prior to tender closing, or by attaching written proof by SARS of approved arrangements in terms of the tenderer's tax clearance

Section 1: Name of enterprise: Address of enterprise:																										
Section 2: VAT registration number, if any:																										
Section 3.1: CIDB registration number, if any:	Section 3.2: CSD Registration Number:																									
Section 4: Particulars of sole proprietors and partners in partnerships																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">Name*</th> <th style="padding: 5px;">Identity number*</th> <th style="padding: 5px;">Personal income tax number*</th> </tr> </thead> <tbody> <tr><td style="height: 20px;"></td><td></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td><td></td></tr> </tbody> </table>	Name*	Identity number*	Personal income tax number*																							
Name*	Identity number*	Personal income tax number*																								
* Complete only if sole proprietor or partnership and append separate page if more than 6 partners																										
Section 5: Particulars of companies and close corporations Company registration number..... Close corporation number..... Tax reference number.....																										

Section 6: Record of service of the state

Indicate by marking the relevant boxes with a cross, if any sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months in the service of any of the following:

- | | |
|--|---|
| ☐ a member of any municipal council | ☐ an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| ☐ a member of any provincial legislature | ☐ a member of an accounting authority of any national or provincial public entity |
| ☐ a member of the National Assembly or the National Council of Province | ☐ an employee of Parliament or a provincial legislature |
| ☐ a member of the board of directors of any municipal entity | |
| ☐ an official of any municipality or municipal entity | |

If any of the above boxes are marked, disclose the following:

Name of sole proprietor, partner, director, manager, principal shareholder or stakeholder	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		current	Within last 12 months

Append separate page if not enough space

WESTERN CAPE GOVERNMENT: HEALTH
 DIRECTORATE: SUPPLY CHAIN
 (INFRASTRUCTURE SOURCING)
 BID OPENED 11:00

2026-10-02

1).....
SIGNED

2).....
SIGNED

Section 7: Record of spouses, children and parents in the service of the state

Indicate by marking the relevant boxes with a cross, if any spouse, child or parent of a sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months been in the service of any of the following:

- | | |
|--|---|
| ☐ a member of any municipal council | ☐ an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| ☐ a member of any provincial legislature | |
| ☐ a member of the National Assembly or the National Council of Province | ☐ a member of an accounting authority of any national or provincial public entity |
| ☐ a member of the board of directors of any municipal entity | ☐ an employee of Parliament or a provincial legislature |
| ☐ an official of any municipality or municipal entity | |

Name of spouse, child or parent	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		current	Within last 12 months

Append separate page if not enough space

The undersigned, who warrants that he/she is duly authorised to do so on behalf of the enterprise:

- i) authorizes the *Client* to perform online or other tax verification procedures as necessary prior to tender award to ensure that the enterprise tax matters are in order;
- ii) confirms that neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
- iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- iv) confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest;
- iv) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

AUTHORISED SIGNATURE OF TENDERER AS PER SCHEDULE T01 (TENDER OFFER SIGNATURE AND AUTHORITY OF SIGNATORY) OF THIS DOCUMENT SERVES AS SIGNATURE FOR THIS SCHEDULE

Number of additional pages appended by the tenderer to this Schedule:(If nil, enter NIL).

WESTERN CAPE GOVERNMENT: HEALTH DIRECTORATE: SUPPLY CHAIN (INFRASTRUCTURE SOURCING) BID OPENED 11:00 2026-10-02	
1)..... SIGNED	2)..... SIGNED

WESTERN CAPE GOVERNMENT

DEPARTMENT OF HEALTH AND WELLNESS

Groote Schuur Hospital - Chiller & Cooling Towers Replacement

WESTERN CAPE GOVERNMENT: HEALTH
DIRECTORATE: SUPPLY CHAIN
(INFRASTRUCTURE SOURCING)
BID OPENED 11:00

2026-10-02

1)..... 2).....
SIGNED SIGNED

SCHEDULE T03: WCBD 6.1(a): PREFERENCE CERTIFICATE (80:20)

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022 AND IN TERMS OF THE WESTERN CAPE GOVERNMENT'S INTERIM STRATEGY AS IT RELATES TO PREFERENCE POINTS

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 (TENDERERS) MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER, PREFERENTIAL PROCUREMENT REGULATIONS, 2022 AND THE BROAD BASED BLACK ECONOMIC EMPOWERMENT ACT AND THE CODES OF GOOD PRACTICE

1. DEFINITIONS

- 1.1 **"acceptable tender"** means any tender which, in all respects, complies with the specifications and conditions of tender as set out in the tender document.
- 1.2 **"affidavit"** is a type of verified statement or showing, or in other words, it contains a verification, meaning it is under oath or penalty of perjury, and this serves as evidence to its veracity and is required for court proceedings.
- 1.3 **"all applicable taxes"** includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- 1.4 **"B-BBEE"** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- 1.5 **"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;
- 1.6 **"bid"** means a written offer on the official bid documents or invitation of price quotations and "tender" is the act of bidding /tendering;
- 1.7 **"Code of Good Practice"** means the generic codes or the sector codes as the case may be;
- 1.8 **"consortium or joint venture"** 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;
- 1.9 **"contract"** means the agreement that results from the acceptance of a bid by an organ of state;
- 1.10 **"EME"** is an Exempted Micro Enterprise with an annual total revenue of R10 million or less.
- 1.11 **"Firm price"** means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- 1.12 **"Large Enterprise"** is any enterprise with an annual total revenue above R50 million;
- 1.13 **"non-firm prices"** means all prices other than "firm" prices;
- 1.14 **"person"** includes a juristic person;
- 1.15 **"price"** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- 1.16 **"proof of B-BBEE status level contributor"** means-
 - (a) The B-BBEE status level certificate issued by an authorized body or person;
 - (b) A sworn affidavit as prescribed in terms of the B-BBEE Codes of Good Practice; or

(c) Any other requirement prescribed in terms of the Broad-Based Black Economic Empowerment Act.

- 1.17 **QSE** is a Qualifying Small Enterprise with an annual total revenue between R10 million and R50 million;
- 1.18 **"rand value"** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- 1.19 **"sub-contract"** means the primary contractor's assigning, leasing, making out work to, or employing, another person to support such primary contractor in the execution of part of a project in terms of the contract.
- 1.20 **"tender"** means a written offer in the form determined by an organ of state in response to an invitation to provide or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- 1.21 **"tender for income-generating contracts"** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions;
- 1.22 **"the Act"** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000);
- 1.23 **"the Regulations"** means the Preferential Procurement Regulations, 2022;
- 1.24 **"total revenue"** bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act and promulgated in the *Government Gazette* on 11 October 2013;
- 1.25 **"trust"** means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- 1.26 **"trustee"** means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.

2 GENERAL CONDITIONS

- 2.1 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).
- 2.2 Preference point system for this bid:
- The value of this bid is estimated **not to exceed R50 000 000** (all applicable taxes included) and therefore **the 80/20 preference point system shall be applicable.**
- 2.3 Preference points for this bid shall be awarded for:
- (a) Price; and
 - (b) B-BBEE Status Level of Contribution.
- 2.4 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

WESTERN CAPE GOVERNMENT: HEALTH
DIRECTORATE: SUPPLY CHAIN
(INFRASTRUCTURE SOURCING)
BID OPENED 11:00

2026-10-02

1).....
2).....

- 2.5 Failure on the part of a bidder to fill in, sign this form and submit in the circumstances prescribed in the Codes of Good Practice either a B-BBEE Verification Certificate issued by a Verification Agency accredited by the South African Accreditation System (SANAS) or an affidavit confirming annual total revenue and level of black ownership together with the bid or an affidavit issued by Companies Intellectual Property Commission, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.
- 2.6 The Department 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 Department.

3. ADJUDICATION USING A POINT SYSTEM

- 3.1 Subject to Section 2 (1) (f) of the Preferential Procurement Policy Framework Act, 2000, the **bidder obtaining the highest number of total points** will be awarded the contract.
- 3.2 A tenderer must submit proof of its B-BBEE status level of contributor in order to claim points for B-BBEE.
- 3.3 A tenderer failing to submit proof of B-BBEE status level of contributor or is a non-compliant contributor to B-BBEE will not be disqualified but will only score:
- (a) points out of 80 for price; and
 - (b) 0 points out of 20 for B-BBEE
- 3.4 Points scored must be rounded off to the nearest 2 decimal places.
- 3.5 In the event that two or more bids have scored equal total points, the successful bid must be the one scoring the highest number of preference points for B-BBEE.
- 3.6 As per section 2 (1) (f) of the Preferential Procurement Policy Framework Act, 2000, the contract may be awarded to a bidder other than the one scoring the highest number of total points based on objective criteria in addition to those contemplated in paragraph (d) and (e) of the Act that justifies the award to another tenderer provided that it has been stipulated upfront in the tendering conditions.
- 3.7 Should two or more bids be equal in all respects; the award shall be decided by the drawing of lots.

4. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES**4.1 POINTS AWARDED FOR PRICE****4.1.1 THE 80/20 PREFERENCE POINT SYSTEM**

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

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

Where

- P_s = Points scored for price of bid under consideration
- P_t = Price of tender under consideration
- $P_{\min}$ = Price of lowest acceptable tender

WESTERN CAPE GOVERNMENT: HEALTH
 DIRECTORATE: SUPPLY CHAIN
 (INFRASTRUCTURE SOURCING)
 BID OPENED 11:00

2026-10-02

1)..... 2).....
 SIGNED SIGNED

5. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT**5.1 POINTS AWARDED FOR PRICE**

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

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

Where

- P_s = Points scored for price of tender under consideration
- P_t = Price of tender under consideration
- $P_{\max}$ = Price of highest acceptable tender

6. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTION

- 6.1 In terms of WCG interim strategy, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor		Number of points (80/20 system)
1		20
2		18
3		14
4		12
5		8
6		6
7		4
8		2
Non-compliant contributor		0

WESTERN CAPE GOVERNMENT: HEALTH
DIRECTORATE: SUPPLY CHAIN
(INFRASTRUCTURE SOURCING)
BID OPENED 11:00

2026-10-02

1)..... 2).....
SIGNED SIGNED

- 6.2 An **EME** must submit a valid, originally certified affidavit confirming annual turnover and level of black ownership or an affidavit issued by Companies Intellectual Property Commission
- 6.3 A **QSE that is less than 51 per cent (50% or less) black owned** must be verified in terms of the QSE scorecard issued via Government Gazette and submit a valid, original or a legible certified copy of a B-BBEE Verification Certificate issued by SANAS.
- 6.4 A **QSE that is at least 51 per cent black owned (51% or higher)** must submit a valid, originally certified affidavit confirming turnover and level of black ownership as well as declare its empowering status or an affidavit issued by Companies Intellectual Property Commission.
- 6.5 A **large enterprise** must submit a valid, original or originally certified copy of a B-BBEE Verification Certificate issued by a verification agency accredited by SANAS.
- 6.6 A trust, consortium or joint venture, will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate.
- 6.7 A trust, consortium or joint venture (including unincorporated consortia and joint ventures) must submit a consolidated B-BBEE status level verification certificate for every separate tender.
- 6.6 Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.

7 BID DECLARATION

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

8 B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPH 6

- 8.1 B-BBEE Status Level of Contribution..... = **(maximum of 20 points)**

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 6.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or an affidavit confirming annual total revenue and level of black ownership in terms of the relevant sector code applicable to the tender.

9 SUB-CONTRACTING

- 9.1 Will any portion of the contract be sub-contracted? **YES / NO** (delete which is not applicable)

- 9.1.1 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? **YES / NO** (delete which is not applicable)

- 9.1.2 Sub-contracting relates to a **particular** contract and if sub-contracting is applicable, the bidder to state in their response to a particular RFQ that a portion of that contract will be sub-contracted.

10. DECLARATION WITH REGARD TO COMPANY/FIRM

10.1 Name of company/ entity:

10.2 VAT registration number:

10.3 Company Registration number:

10.4 TYPE OF COMPANY/ FIRM

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

[SELECT APPLICABLE ONE]



10.5 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-BBEE status level of contribution indicated in paragraph 7 above, qualifies the company/ firm for the preference(s) shown and I/we acknowledge that:

- (a) The Western Cape Government reserves the right to audit the B-BBEE status claim submitted by the bidder.
- (b) As set out in Section 13O of the B-BBEE Act as amended, any misrepresentation constitutes a criminal offence. A person commits an offence if that person knowingly:
- (i) misrepresents or attempts to misrepresent the B-BBEE status of an enterprise;
 - (ii) provides false information or misrepresents information to a B-BBEE Verification Professional in order to secure a particular B-BBEE status or any benefit associated with compliance to the B-BBEE Act;
 - (iii) provides false information or misrepresents information relevant to assessing the B-BBEE status of an enterprise to any organ of state or public entity; or
 - (iv) engages in a fronting practice.
- (c) If a B-BBEE verification professional or any procurement officer or other official of an organ of state or public entity becomes aware of the commission of, or any attempt to commit any offence referred to in paragraph 10.5 (a) above will be reported to an appropriate law enforcement agency for investigation.
- (d) Any person convicted of an offence by a court is liable in the case of contravention of 10.5 (b) to a fine or to imprisonment for a period not exceeding 10 years or to both a fine and such imprisonment or, if the convicted person is not a natural person to a fine not exceeding 10 per cent of its annual turnover.
- (e) The purchaser may, if it becomes aware that a bidder may have obtained its B-BBEE status level of contribution on a fraudulent basis, investigate the matter. Should the investigation warrant a restriction be imposed, this will be referred to the National Treasury for investigation, processing and imposing the restriction on the National Treasury's List of Restricted Suppliers. The bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, may be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied.
- (f) The purchaser may, in addition to any other remedy it may have –
- (i) disqualify the person from the bidding process;
 - (ii) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (iii) 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; and

(iv) forward the matter for criminal prosecution.

(g) The information furnished is true and correct.

(h) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 2 of this form.

AUTHORISED SIGNATURE OF TENDERER AS PER SCHEDULE T01 (TENDER OFFER SIGNATURE AND AUTHORITY OF SIGNATORY) OF THIS DOCUMENT SERVES AS SIGNATURE FOR THIS SCHEDULE

Number of additional pages appended by the tenderer to this Schedule:(If nil, enter NIL).

WESTERN CAPE GOVERNMENT: HEALTH
 DIRECTORATE: SUPPLY CHAIN
 (INFRASTRUCTURE SOURCING)
 BID OPENED 11:00

2026-10-02

1).....	2).....
SIGNED	SIGNED

WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****SCHEDULE T04: WCBD 4: DECLARATION OF INTERESTS, BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES AND INDEPENDENT BID DETERMINATION****DECLARATION OF INTERESTS, BIDDERS PAST SCM PRACTICES AND INDEPENDENT BID DETERMINATION**

1. To give effect to the requirements of the Western Cape Provincial Treasury Instructions, 2019: Supply Chain Management (Goods and Services), Public Finance Management Act (PFMA) Supply Chain Management (SCM) Instruction No. 3 of 2021/2022 - SBD 4 Declaration of Interest, Section 4 (1)(b)(iii) of the Competition Act No. 89 of 1998 as amended together with its associated regulations, the Prevention and Combating of Corrupt Activities Act No 12 of 2004 and regulations pertaining to the tender defaulters register, Paragraph 16A9 of the National Treasury Regulations and/or any other applicable legislation.
2. Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.
3. All prospective bidders intending to do business with the Institution must be registered on the Central Supplier Database (CSD) by bid closing date.
4. It is advisable to register on the Western Cape Supplier Evidence Bank (WCSEB) to ensure that the compulsory schedules (included in this bid), i.e., WCBD4 and WCBD 6.1 and BBBEE certificate/affidavit are annually updated (before expiry) on the WCSEB.
5. The status of enterprises and persons listed on the National Treasury's Register for Tender Defaulters will be housed on the ePS. Institutions may not under any circumstances procure from enterprises and persons listed on the Database of Tender Defaulters.
6. The status of suppliers listed on the National Treasury's Database of Restricted Suppliers will be housed on the ePS; however, it remains incumbent on institutions to check the National Treasury Database of Restricted Suppliers before the conclusion of any procurement process. For suppliers listed as restricted, institutions must apply due diligence and risk assessment before deciding to proceed with procurement from any such supplier.

7. Definitions

"bid" means a bidder's response to an institution's invitation to participate in a procurement process which may include a bid, price quotation or proposal;

"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;

"business interest" means -

- (a) a right or entitlement to share in profits, revenue or assets of an entity;
- (b) a real or personal right in property;
- (c) a right to remuneration or any other private gain or benefit, or
- (d) includes any interest contemplated in paragraphs (a), (b) or (c) acquired through an intermediary and any potential interest in terms of any of those paragraphs;

"Consortium or Joint Venture" 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;

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

"Corruption"- General offences of corruption are defined in the Combating of Corrupt Activities Act, 2004 (Act No 12 of 2004) as:

WESTERN CAPE GOVERNMENT: HEALTH
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(INFRASTRUCTURE SOURCING)
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Any person who directly or indirectly -

- (a) accepts or agrees or offers to accept a gratification from any other person, whether for the benefit of himself or herself or for the benefit of another person; or
- (b) gives or agrees or offers to give to any other person any gratification, whether for the benefit of that other person or for the benefit of another person,

in order to act personally or by influencing another person so to act, in a manner—

- (i) that amounts to the-

- (aa) illegal, dishonest, unauthorised, incomplete, or biased; or
- (bb) misuse or selling of information or material acquired in the course of the exercise, carrying out or performance of any powers, duties or functions arising out of a constitutional, statutory, contractual or any other legal obligation;

- (ii) that amounts to-

- (aa) the abuse of a position of authority;
- (bb) a breach of trust; or
- (cc) the violation of a legal duty or a set of rules,

- (iii) designed to achieve an unjustified result; or

- (iv) that amounts to any other unauthorised or improper inducement to do or not to do anything,

is guilty of the offence of corruption.

“CSD” means the Central Supplier Database maintained by National Treasury;

“employee”, in relation to –

- (a) a department, means a person contemplated in section 8 of the Public Service Act, 1994 but excludes a person appointed in terms of section 12A of that Act; and
- (b) a public entity, means a person employed by the public entity;

“entity” means any -

- (a) association of persons, whether or not incorporated or registered in terms of any law, including a company, corporation, trust, partnership, close corporation, joint venture or consortium; or
- (b) sole proprietorship;

“entity conducting business with the Institution” means an entity that contracts or applies or tenders for the sale, lease or supply of goods or services to the Province;

“Family member” means a person's -

- (a) spouse; or
- (b) child, parent, brother, sister, whether such a relationship results from birth, marriage or adoption or some other legal arrangement (as the case may be);

“intermediary” means a person through whom an interest is acquired, and includes a representative or agent or any other person who has been granted authority to act on behalf of another person;

“Institution” means –

a provincial department or provincial public entity listed in Schedule 3C of the Act;

“Provincial Government Western Cape (PGWC)” means

- (a) the Institution of the Western Cape, and
- (b) a provincial public entity;

“RWOEE” means -

Remunerative Work Outside of the Employee's Employment

“spouse” means a person's -

- (a) partner in marriage or civil union according to legislation;



- (b) partner in a customary union according to indigenous law; or
 - (c) partner with whom he or she cohabits and who is publicly acknowledged by the person as his or her life partner or permanent companion.
8. Regulation 13(c) of the Public Service Regulations (PSR) 2016, effective 1 February 2017, prohibits any employee from conducting business with an organ of state, or holding a directorship in a public or private company doing business with an organ of state unless the employee is a director (in an official capacity) of a company listed in schedules 2 and 3 of the Public Finance Management Act.
- a) Therefore, by 31 January 2017 all employees who are conducting business with an organ of state should either have:
- i. resigned as an employee of the government institution or;
 - ii. cease conducting business with an organ of state or;
 - iii. resign as a director/ shareholder/ owner/ member of an entity that conducts business with an organ of state.
9. Any legal person, or their family members, may make an offer or offers in terms of this invitation to bid. In view of potential conflict of interest, in the event that the resulting bid, or part thereof, be awarded to family members of persons employed by an organ of state, 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 Institution.
10. The bid of any bidder may be disregarded if that bidder or any of its directors have abused the institution's supply chain management system; committed fraud or any other improper conduct in relation to such system; or failed to perform on any previous contract.
11. 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). Collusive bidding is a *per se* prohibition meaning that it cannot be justified under any grounds.
12. 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 authorises 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.
13. Communication between partners in a joint venture or consortium will not be construed as collusive bidding.
14. 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.

WESTERN CAPE GOVERNMENT: HEALTH DIRECTORATE: SUPPLY CHAIN (INFRASTRUCTURE SOURCING) BID OPENED 11:00	
2026-10-02	
1)..... SIGNED	2)..... SIGNED

SECTION A: DETAILS OF THE ENTITY

A1.	CSD Registration Number IMPORTANT: PLEASE NOTE:	MAAA.....
A2	Name of the Entity	
A3.	Entity registration Number (where applicable)	
A4.	Entity Type	
A5.	Tax Reference Number	

Full details of directors, shareholder, member, partner, trustee, sole proprietor or any persons with a right or entitlement to share in profits, revenue or assets of an entity, of the entity should be disclosed in the Table A below.

TABLE A

FULL NAME	DESIGNATION <i>(Where a director is a shareholder, both should be confirmed.)</i>	IDENTITY NUMBER	PERSONAL TAX REFERENCE NO.	PERCENTAGE INTEREST IN THE ENTITY

(if not enough space, attach additional pages)

WESTERN CAPE GOVERNMENT: HEALTH
 DIRECTORATE: SUPPLY CHAIN
 (INFRASTRUCTURE SOURCING)
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1)..... 2).....
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SECTION B: DECLARATION OF THE BIDDER'S INTEREST

The supply chain management system of an institution must, irrespective of the procurement process followed, prohibit any award to an employee of the state, who either individually or as a director of a public or private company or a member of a close corporation, seek to conduct business with the WCG, unless such employee is in an official capacity a director of a company listed in Schedule 2 or 3 of the PFMA as prescribed by the Public Service Regulation 13 (c).

Furthermore, an employee employed by an organ of state conducting remunerative work outside the public enterprise should first obtain the necessary approval (RWOPS), failure to submit proof of such authority, where applicable, may result in disciplinary action.

B1.	Are any persons listed in Table A identified on the CSD as employees of the Institution? (If yes, refer to Public Service Circular EIM 1/2016 to exercise the listed actions)	☐ NO	☐ YES
B2.	Are any employees of the entity also employees of an organ of state? (If yes complete Table B and attach their approved "RWOP")	☐ NO	☐ YES
B3.	Are any family members of the persons listed in Table A employees of an organ of state? (If yes complete Table B)	☐ NO	☐ YES

TABLE B

Details of persons connected with the bidder who are employees of the Institution as defined should be disclosed in Table B below.

FULL NAME OF EMPLOYEE	IDENTITY NUMBER	DEPARTMENT/ ENTITY OF EMPLOYMENT	DESIGNATION / RELATIONSHIP TO BIDDER**	INSTITUTION EMPLOYEE NO./PERSAL NO. (Indicate if not known)

(if not enough space, attach additional pages)

WESTERN CAPE GOVERNMENT: HEALTH DIRECTORATE: SUPPLY CHAIN (INFRASTRUCTURE SOURCING) BID OPENED 11:00 2026-10-02 1)..... SIGNED 2)..... SIGNED	
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SECTION C: PERFORMANCE MANAGEMENT AND BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

To enable the prospective bidder to provide evidence of past and current performance.

C1. Did the entity conduct business with an organ of state in the last twelve months?
(If yes complete Table C)

NO	YES
----	-----

C2.
TABLE C

Complete the below table to the maximum of the last 5 contracts.

NAME OF CONTRACTOR	PROVINCIAL DEPARTMENT OR PROVINCIAL ENTITY	TYPE OF SERVICES OR COMMODITY	CONTRACT / ORDER NUMBER	PERIOD OF CONTRACT	VALUE OF CONTRACT

(if not enough space, attach additional pages)

C3. Is the entity or its principals listed on the National Database as companies or persons prohibited from doing business with the public sector?

NO	YES
----	-----

C4. Is the entity or its principals listed on the National Treasury Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No. 12 of 2004)?

NO	YES
----	-----

(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.)

C5. If yes to C3 or C4, were you informed in writing about the listing on the database of restricted suppliers or Register for Tender Defaulters by National Treasury?

NO	YES	N/A
----	-----	-----

C6. Was the entity or persons listed in Table A convicted for fraud or corruption during the past five years in a court of law (including a court outside the Republic of South Africa)?

NO	YES
----	-----

C7 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?

NO	YES
----	-----

WESTERN CAPE GOVERNMENT: HEALTH
DIRECTORATE: SUPPLY CHAIN
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SECTION D: DULY AUTHORISED REPRESENTATIVE TO DEPOSE TO AFFIDAVIT

See reference to authorised signature below.

AUTHORISED SIGNATURE OF TENDERER AND AFFIDAVIT AS PER SCHEDULE T01 (TENDER OFFER SIGNATURE AND AUTHORITY OF SIGNATORY) OF THIS DOCUMENT SERVES AS SIGNATURE AND AFFIDAVIT FOR THIS SCHEDULE

Number of additional pages appended by the tenderer to this Schedule:(If nil, enter NIL).

If you know of any corrupt, fraudulent or collusive actions in the Institution, please report it by calling the National Hotline 0800 701 701

This form must be completed annually. Should the information herein declared change in the course of the year or before the next renewal or in relation to any bid, quotation or contract, it is the entity's responsibility to advise the Institution in writing of the change in such details.

WESTERN CAPE GOVERNMENT: HEALTH
DIRECTORATE: SUPPLY CHAIN
(INFRASTRUCTURE SOURCING)
BID OPENED 11:00

2026-10-02

1).....
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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****SCHEDULE T05: Addenda / Notice(s) issued to tenderers**

We confirm that the following communications / addenda / notice(s) to tenderers received from the *Client* before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer (If no addenda/notices mark schedule NIL, if not enough space, attach additional pages):

ADDENDUM No	DATE	SUBJECT MATTER OF ADDENDUM / NOTICE

Documentary evidence of addenda / notices issued to tenderers indicating proof of receipt must accompany this Schedule.

AUTHORISED SIGNATURE OF TENDERER AS PER SCHEDULE T01 (TENDER OFFER SIGNATURE AND AUTHORITY OF SIGNATORY) OF THIS DOCUMENT SERVES AS SIGNATURE FOR THIS SCHEDULE

Number of additional pages appended by the tenderer to this Schedule:(If nil, enter NIL).

WESTERN CAPE GOVERNMENT: HEALTH DIRECTORATE: SUPPLY CHAIN (INFRASTRUCTURE SOURCING) BID OPENED 11:00 2026-10-02 1)..... 2)..... SIGNED SIGNED	
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WESTERN CAPE GOVERNMENT

DEPARTMENT OF HEALTH AND WELLNESS

Groote Schuur Hospital - Chiller & Cooling Towers Replacement

SCHEDULE T06: Schedule of work experience

The tenderer must provide in the spaces provided below a list of the last five completed contracts of a similar nature as this tender which were awarded to him, as well as those currently being undertaken. This information is subject to verification and tenderers must note that the adequacy of the contractor's work experience will be material in the *Client's* risk assessment for awarding this contract.

COMPLETED CONTRACTS			
CLIENT (NAME, TEL No)	NATURE OF WORK	VALUE (R)	DATE COMPLETED

(Append separate page if not enough space)

WESTERN CAPE GOVERNMENT: HEALTH
DIRECTORATE: SUPPLY CHAIN
(INFRASTRUCTURE SOURCING)
 BID OPENED 11:00

2026-10-02

1).....
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CURRENT CONTRACTS			
CLIENT (NAME, TEL No and FAX No)	NATURE OF WORK	VALUE (R)	ANTICIPATED COMPLETION DATE

(Append separate page if not enough space)

AUTHORISED SIGNATURE OF TENDERER AS PER SCHEDULE T01 (TENDER OFFER SIGNATURE AND AUTHORITY OF SIGNATORY) OF THIS DOCUMENT SERVES AS SIGNATURE FOR THIS SCHEDULE

Number of additional pages appended by the tenderer to this Schedule:(If nil, enter NIL).

WESTERN CAPE GOVERNMENT: HEALTH DIRECTORATE: SUPPLY CHAIN (INFRASTRUCTURE SOURCING) BID OPENED 11:00 2026-10-02 1)..... 2)..... SIGNED SIGNED	
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WESTERN CAPE GOVERNMENT

DEPARTMENT OF HEALTH AND WELLNESS

Groote Schuur Hospital - Chiller & Cooling Towers Replacement

NEC4 ENGINEERING AND CONSTRUCTION SHORT CONTRACT (ECSC4)

Delivery & Maintenance of Infrastructure

A contract between the Department of Health and Wellness

and

Name of Contractor:

The Contract

Compiled in accordance with CIDB Standard for Uniformity in Engineering and Construction Works Contracts (August 2019)

Part C1: Agreement and Contract Data

Page 41

C1.1 Form of Offer and Acceptance

Page 42

C1.2 Contract Data

Page 46

C1.3 Proforma Performance Bond

Page 52

WESTERN CAPE GOVERNMENT: HEALTH
DIRECTORATE: SUPPLY CHAIN
(INFRASTRUCTURE SOURCING)
BID OPENED 11:00

Part C2: Pricing Data

2026-10-02

Page 54

C2.1 Pricing assumptions & instructions

Page 55

C2.2 Pricing schedule

Page 58

1)..... 2).....
SIGNED SIGNED

Part C3: Scope of work

Page 67

Scope

Page 68

Part C4: Site Information

Page 100

Appendix: Drawings, schematics & annexures

Page 101

NOTE: The complete contract documentation comprises the following:

- This document, from and including page 1 forward, up to and including the last page (page 101) in this document page count;
- All items included by reference or otherwise in this document;
- All addenda/notices issued by the *Client* to tenderers prior to tender closing;
- All deviations included in the Schedule of Deviations on page 44 of this document;
- All additional pages appended by the tenderer to returnable Contract Schedules which are accepted by the *Client*.

WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement**

Part C1: Agreement and Contract Data	
C1.1 Form of Offer and Acceptance	Page 42
Schedule C01: Form of Offer and Acceptance	Page 42
C1.2 Contract Data	Page 46
Contract Data Part One	Page 46
Schedule C02: Contract Data Part Two	Page 51
C1.3 Proforma Performance Bond	Page 52

WESTERN CAPE GOVERNMENT: HEALTH
DIRECTORATE: SUPPLY CHAIN
(INFRASTRUCTURE SOURCING)
BID OPENED 11:00

2026-10-02

1)..... 2).....
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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****C1.1 Form of Offer and Acceptance****SCHEDULE C01 : C1.1 Form of Offer and Acceptance****The Contractor's Offer**

The *Client*, identified in the Acceptance signature block, has solicited offers to enter into a contract for the procurement of: **Tender No: WCGHIC0001/2026: Groote Schuur Hospital - Chiller & Cooling Towers Replacement**

The tenderer, identified in the offer signature block, has examined the documents listed in the Tender Data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the Conditions of Tender.

By the representative of the tenderer, deemed to be duly authorised, signing this Offer, the tenderer offers to perform all of the obligations and liabilities of the *Contractor* under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the *conditions of contract* identified in the Contract Data.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS:

.....

.....Rand (in words);

R..... (in figures).

This offer may be accepted by the *Client* by signing the *Client's* Acceptance and returning one copy of this document to the tenderer before the end of the period of validity stated in the Tender Data, whereupon the tenderer becomes the party named as the *Contractor* in the *conditions of contract* identified in the Contract Data.

For the tenderer:

**AUTHORISED SIGNATURE OF TENDERER AS PER
SCHEDULE T01 (TENDER OFFER SIGNATURE AND
AUTHORITY OF SIGNATORY) OF THIS DOCUMENT
SERVES AS SIGNATURE FOR THIS SCHEDULE**

Tenderer MUST complete the following:

CIDB Reg No.....

CSD Reg No.....

B-BBEE Status Level.....

Name of organisation **as per Schedule T01**

Name and capacity of signatory **as per Schedule T01**

Address of organisation **as per Schedule T01**

WESTERN CAPE GOVERNMENT: HEALTH
DIRECTORATE: SUPPLY CHAIN
(INFRASTRUCTURE SOURCING)
BID OPENED 11:00

2026-10-02

1).....
SIGNED

2).....
SIGNED

The Client's Acceptance

By signing this Acceptance, the *Client* identified below accepts the tenderer's offer. In consideration thereof, the *Client* shall pay the *Contractor* the amount due in accordance with the *conditions of contract* identified in the Contract Data. Acceptance of the tenderer's offer shall form an Agreement between the *Client* and the tenderer upon the terms and conditions contained in this Agreement and in the contract that is the subject of this Agreement.

The terms of the contract, are contained in:

- Part C1: Agreement and Contract Data, (which includes this agreement)
- Part C2: Pricing data
- Part C3: Scope of work.
- Part C4: Site information

and drawings, schedules and documents or parts thereof, which may be incorporated by reference into Parts C1 to C4 above.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto as listed in the tender schedules as well as any changes to the terms of the offer agreed by the tenderer and the *Client* during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this Agreement. No amendments to or deviations from said documents are valid unless contained in this schedule.

The tenderer shall arrange for the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of this contract. Failure to fulfil any of these obligations in accordance with the terms stipulated, shall constitute a repudiation of this Agreement.

This Agreement comes into effect on the *starting date* as stated in the Contract Data.

For the *Client*: **WESTERN CAPE GOVERNMENT**

DEPARTMENT OF HEALTH AND WELLNESS: HEAD OFFICE

22nd Floor
4 Dorp Street
Cape Town
8001

SIGNATURE OF <i>Client</i>

Name:

Capacity:

Name and signature of witness:

.....

Date:

WESTERN CAPE GOVERNMENT: HEALTH	
DIRECTORATE: SUPPLY CHAIN	
(INFRASTRUCTURE SOURCING)	
BID OPENED 11:00	
2026-10-02	
1).....	2).....
SIGNED	SIGNED

Schedule of Deviations

(Append separate page if not enough space)

1 Subject:	.....
Details:	.....
	
	
2 Subject:	.....
Details:	.....
	
	
3 Subject:	.....
Details:	.....
	
	
4 Subject:	.....
Details:	.....
	
	
5 Subject:	.....
Details:	.....
	
	

By the duly authorized representatives signing this Agreement, the *Client* and the tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the Tender Data and addenda thereto as listed in the tender schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the tenderer and the *Client* during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the Parties arising from this Agreement.

WESTERN CAPE GOVERNMENT: HEALTH DIRECTORATE: SUPPLY CHAIN (INFRASTRUCTURE SOURCING) BID OPENED 11:00	
2026-10-02	
1).....	2).....
SIGNED	SIGNED

For the Tenderer:

AUTHORISED SIGNATURE OF TENDERER (Only required if the Schedule of Deviations contains entries)

Name:

Capacity:

Name and address of organisation:

.....

Name and signature of witness:

.....

Date:

WESTERN CAPE GOVERNMENT: HEALTH
 DIRECTORATE: SUPPLY CHAIN
 (INFRASTRUCTURE SOURCING)
 BID OPENED 11:00

2026-10-02

1).....
SIGNED

2).....
SIGNED

For the Client: WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS: HEAD OFFICE**

22nd Floor
 4 Dorp Street
 Cape Town
 8001

SIGNATURE OF Client (Only required if the Schedule of Deviations contains entries)

Name:

Capacity:

Name and signature of witness:

.....

Date:

Number of additional pages appended by the tenderer to this schedule:(If nil, enter NIL).

WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****Contract Data****C1.2 Contract Data Part One****Data provided by the Client**

Clause	Contract Data																								
1 General	The <i>conditions of contract</i> are the clauses of, and additional conditions to, the NEC4 Engineering and Construction Short Contract (June 2017), available from ECS Associates (tel 011-803-3008, email admin@ecs.co.za), tenderers to obtain copies at their own cost.																								
Clause 10.1	The <i>Client</i> is <table border="1"> <tr> <td>Name:</td><td>DEPARTMENT OF HEALTH AND WELLNESS: HEAD OFFICE WESTERN CAPE GOVERNMENT</td></tr> <tr> <td>Address Line 1</td><td>22nd Floor</td></tr> <tr> <td>Address Line 2</td><td>4 Dorp Street</td></tr> <tr> <td>Address Line 3</td><td>Cape Town</td></tr> <tr> <td>Postal Code:</td><td>8001</td></tr> </table> * Address for electronic communications The <i>Client</i> is <table border="1"> <tr> <td>Name:</td><td>GROOTE SCHUUR HOSPITAL</td></tr> <tr> <td>Assisted by:</td><td>DEPARTMENT OF HEALTH AND WELLNESS: HEAD OFFICE WESTERN CAPE GOVERNMENT</td></tr> <tr> <td>Address Line 1</td><td>Engineering Department</td></tr> <tr> <td>Address Line 2</td><td>Groote Schuur Hospital</td></tr> <tr> <td>Address Line 3</td><td>Main Road</td></tr> <tr> <td>Postal Code:</td><td>Observatory 7925</td></tr> <tr> <td>Email address:*</td><td>Denton.Smith@westerncape.gov.za</td></tr> </table> * Address for electronic communications The address for electronic communications is as above or as may be notified in writing to the <i>Contractor</i> from time to time during execution of the contract.	Name:	DEPARTMENT OF HEALTH AND WELLNESS: HEAD OFFICE WESTERN CAPE GOVERNMENT	Address Line 1	22nd Floor	Address Line 2	4 Dorp Street	Address Line 3	Cape Town	Postal Code:	8001	Name:	GROOTE SCHUUR HOSPITAL	Assisted by:	DEPARTMENT OF HEALTH AND WELLNESS: HEAD OFFICE WESTERN CAPE GOVERNMENT	Address Line 1	Engineering Department	Address Line 2	Groote Schuur Hospital	Address Line 3	Main Road	Postal Code:	Observatory 7925	Email address:*	Denton.Smith@westerncape.gov.za
Name:	DEPARTMENT OF HEALTH AND WELLNESS: HEAD OFFICE WESTERN CAPE GOVERNMENT																								
Address Line 1	22nd Floor																								
Address Line 2	4 Dorp Street																								
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Address Line 3	Main Road																								
Postal Code:	Observatory 7925																								
Email address:*	Denton.Smith@westerncape.gov.za																								
Clause 11.2(1)	The <i>works</i> are Tender No WCGHIC0001/2026: Groote Schuur Hospital - Chiller & Cooling Towers Replacement.																								
Clause 11.2(15)	The Scope is in Part C3: Scope of Work in this document.																								
Clause 11.2(16)	The <i>site</i> is as described in the Site Information of this document.																								
Clause 13.2	The <i>period for reply</i> is 2 weeks.																								
Clause 16.1	The <i>Client</i> gives access to the <i>site</i> within 4 weeks of the starting date, subject to receipt of all the required information and documents (bonds, guarantees, insurance certificates, OHS plan, and other information required by this contract) as																								

WESTERN CAPE GOVERNMENT: HEALTH
DIRECTORATE: SUPPLY CHAIN
(INFRASTRUCTURE SOURCING)
BID OPENED 11:00

2026-10-02

1)..... 2).....
SIGNED SIGNED

Clause	Contract Data
	stated in the letter of notification of appointment of the Contractor by the Client. A delay by the Contractor to provide the required information and documents to the satisfaction of the Client within 4 weeks of the <i>starting date</i> will delay access, and is not a compensation event.
3 Time	
Clause 30.1	The <i>starting date</i> is the date of receipt of the letter of notification of appointment of the Contractor issued by the Client (in the case of email notification the date on which the email is sent by the Client).
Clause 30.1	The completion dates are (refer to Works Information 1.8.1): - Sectional completion (installation): the date following 26 weeks after date of site access. - Final completion (service and maintenance): the date following 52 weeks after sectional completion.
4 Quality management	
Clause 41.1	The <i>defects date</i> is 52 weeks after Sectional Completion.
Clause 42.3	The <i>defect correction period</i> is 2 weeks .
5 Payment	
Clause 50.1	The <i>assessment day</i> is the last day of each month.
Clause 50.6	The <i>delay damages</i> are R 2000.00 per day .
Clause 50.7	No clause
Clause 51.1	Delete the first sentence of Clause 51.1 and replace with the following: The Client certifies a payment within one week of the assessment day. The Contractor prepares a tax invoice for the exact amount certified by the Client. The Contractor submits the tax invoice together with the corresponding payment certificate to the Client for payment. Incomplete and incorrect payment submissions are returned within one week to the Contractor for correction. Payment is made within thirty days of receipt of a complete and correct Contractor's payment submission.
Clause 51.2	No clause
8 Liabilities and insurance	
Clause 82.4	For any one event, the liability of the Contractor to the Client for loss of or damage to the Client's property is an unlimited amount..
Clause 83.3	The minimum amount of cover for the first insurance item stated in the Insurance Table is R2 000 000 (two million rand) .
Clause 83.3	The minimum amount of cover for the third insurance item stated in the Insurance Table is R10 000 000 (ten million rand) .
Clause 83.3	The minimum amount of cover for the fourth insurance item stated in the Insurance Table is R10 000 000 (ten million rand) .

WESTERN CAPE GOVERNMENT: HEALTH
DIRECTORATE: SUPPLY CHAIN
(INFRASTRUCTURE SOURCING)
BID OPENED 11:00

2026-10-02

1)..... 2).....
SIGNED SIGNED

Clause	Contract Data
9 Termination and resolving disputes	
Clause 93.1	The <i>Adjudicator</i> is the person selected by the Parties as follows: A Party may at any time notify the other Party of the names of two persons chosen from the panel of NEC <i>Adjudicators</i> set up by the Joint Civils Division of the Institution of Civil Engineers (ICE)(UK) and the South African Institution for Civil Engineering (SAICE) (see www.jointcivils.co.za) whose availability to act as the <i>Adjudicator</i> , has been confirmed by the notifying Party. The other party selects one of the two persons chosen to be the <i>Adjudicator</i> within the <i>period for reply</i> of receiving the notice, failing which the person chosen by the notifying Party will be the <i>Adjudicator</i> . The Parties appoint the <i>Adjudicator</i> under the NEC4 <i>Adjudicator's Contract</i> , June 2017.
Clause 93.2(2)	The <i>Adjudicator nominating body</i> is The Chairman of the Joint Civils Division of the Institution of Civil Engineers (ICE)(UK) and the South African Institution for Civil Engineering (SAICE) (see www.jointcivils.co.za).
Clause 93.4	The <i>tribunal</i> is arbitration . The arbitration procedure is as set out in the Rules of the Arbitration Foundation of Southern Africa .
Z Additional conditions of contract	
Clause Z1	Insurance Policy Documents The contractor will have to submit proof of minimum insurance covers pertaining in this contract, in no later than 10 working days upon receiving a Letter of Intent to Award of this contract from the <i>Client</i>. Failure to do so will render the tender being non-responsive. A complete insurance policy document from an Accredited Insurer with a minimum Public Liability Insurance for R 10 million (Ten Million Rand). Note that only fully completed documents from an accredited insurer will be accepted. No third-party documentation will be accepted. It must be clearly stated on the insurance cover that the supplier has a minimum Public Liability cover of R10 million (Ten Million Rand)
Clause Z2	Identified and defined terms The Contract Date is the date this contract came into existence.
Clause Z3	Acts or omissions by mandataries In terms of Section 37(2) of the Occupational health and Safety Act of 1993 (Act 85 of 1993), the <i>Contractor</i> hereby agrees that the <i>Client</i> is relieved of any and all of its liabilities in terms of Section 37(1) of this Act in respect of any acts or omissions of the <i>Contractor</i> and his employees to the extent permitted by this Act, and that this contract comprises the written agreement between the <i>Client</i> and the <i>Contractor</i> contemplated in section 37(2).
Clause Z4	Maintenance of mandatory registrations The <i>Contractor</i> ensures that his registrations with the Construction Industry Development Board (CIDB) and as a supplier on the Western Cape Supplier Evidence Bank (WCSEB) and the Central Supplier Database (CSD) are maintained until the Completion of the whole of the works.
Clause Z5	Compliance with good labour practice The <i>Contractor</i> is registered with, and provides a Certificate of Compliance issued by, the Building Industry Bargaining Council (BIBC) in terms of clause 6A of the Collective Agreement as published in the Government Gazette No 25769 dated 28 November 2003. The <i>Contractor</i> complies with all BIBC requirements in terms of registration and remuneration of employees in the Working Areas, and remains in good standing with the BIBC during the execution of the contract.



Clause	Contract Data
Clause Z8	Performance bond The <i>Contractor</i> gives the <i>Client</i> a performance bond, provided by a bank or insurer which the <i>Client</i> has accepted, for the amount stated in the Contract Data and in the form set out in the Scope. Insurers must be duly registered in terms of the Short-Term Insurance Act 1998 (Act 35 of 1998) and banks must be duly registered in terms of the Banks Act, 1990 (Act 94 of 1990). No alterations or amendments of the wording of the form of the performance bond will be accepted. A reason for not accepting the bank or (insurer is that its commercial position is not strong enough to carry the bond. If the bond was not given by the <i>starting date</i> it is given to the <i>Client</i> within four weeks of the <i>starting date</i>. The <i>Contractor</i> does not start work before acceptance of the bond by the <i>Client</i>. Alternatively, a cash deposit of the same amount is also acceptable as a performance bond. The amount of the performance bond is the sum of R 1 000 000(in figures) and one million Rand in words. The form of the performance bond is the Pro Forma Performance Guarantee in the Contract Data.
Clause Z9	No gifts/tokens/invitations from the <i>Contractor</i> to <i>Client's</i> officials Although there are formal prescripts and mechanisms in place to regulate and record the receipt of small tokens/gifts/invitations from contractors and service providers, officials of the <i>Client</i> are actively discouraged from accepting any such gifts/tokens/invitations. In terms of this contract, the <i>Contractor</i> shall not offer any gift/token/invitation which carries any monetary benefit, irrespective of value, directly or indirectly, to any official in the <i>Client's</i> service, before or after completion of this contract.
Clause Z10	No clause
Clause Z11	Non-working days and the December/January builders' break Non-working days stated herein are added to delays to the Completion Date assessed due to compensation events. Inclusion or exclusion of the annual December/January builders' break in determining and influencing the Completion Date set at the Contract Date is as stated herein, omission of which means EXCLUSION by default. If Completion is delayed until after the start of the builders' break, the full period of the builders' break is added in addition to delays to the Completion Date due to compensation events only if - the annual builders' break was EXCLUDED when setting the Completion Date at the Contract Date, and - the delay to Completion is not the <i>Contractor's</i> fault. If either Party issues communication in terms of this contract to the other at any time during the builders' break, the <i>period for reply</i> is extended by the remainder of the period of the builders' break at the time of the communication. Saturdays, Sundays and National public holidays of the Republic of South Africa are non-working days when assessing delays to the Completion Date due to compensation events. The full period of the annual builders' break of approximately 4 weeks in December/January during execution of this contract is EXCLUDED from the Completion Date as set at the Contract Date.
Clause Z12	No clause



Clause	Contract Data
Clause Z13	The <i>Contractor</i> provides this additional insurance to the insurances listed in the Insurance Table: A Coupon Policy for Special Risks Insurance issued by the South African Special Risks Insurance Association (SASRIA).
Clause Z14	No clause
Clause Z15	No clause
Clause Z16	Payment of subcontractors by the <i>Contractor</i> The <i>Contractor</i> pays a subcontractor within one week for all subcontracted work which in terms of this contract has been certified and paid to the <i>Contractor</i> .
Clause Z17	No clause
Clause Z18	No clause
Clause Z19	Cost of preparation of quotations for compensation events All costs associated with the preparation of quotations for compensation events for this contract are the <i>Contractor's</i> risk and are not reimbursable by the <i>Client</i> .
Clause Z20	<i>Contractor's</i> site attendance register The <i>Contractor</i> keeps an attendance register detailing identity, sign-in and sign-out by all people entering the site or location where the works is provided, details of which are made available to the <i>Client</i> upon request.
Clause Z21	No clause
Clause Z22	No clause

WESTERN CAPE GOVERNMENT: HEALTH DIRECTORATE: SUPPLY CHAIN (INFRASTRUCTURE SOURCING) BID OPENED 11:00	
2026-10-02	
1).....	2).....
SIGNED	SIGNED

WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****Contract Data****C1.2 Contract Data Part Two****SCHEDULE C02: Data provided by the Contractor**

Clause	Contract Data														
1 General Clause 10. 1	The <i>Contractor</i> is <table border="1"> <tr> <td>Name:</td><td></td></tr> <tr> <td>Address Line 1</td><td></td></tr> <tr> <td>Address Line 2</td><td></td></tr> <tr> <td>Address Line 3</td><td></td></tr> <tr> <td>Postal Code:</td><td></td></tr> <tr> <td>Contact no:</td><td></td></tr> <tr> <td>Email address*:</td><td></td></tr> </table> * Address for electronic communications	Name:		Address Line 1		Address Line 2		Address Line 3		Postal Code:		Contact no:		Email address*:	
Name:															
Address Line 1															
Address Line 2															
Address Line 3															
Postal Code:															
Contact no:															
Email address*:															
(Clause 11.2(5))															
Clause 11.2(6)	The <i>published list of Equipment</i> is the last edition of the list published by the Contractor's Plant Hire Association in their publication Hire SA in Africa (tel 011-293-7457).														
Clause 11.2(6)	The <i>percentage for adjustment for Equipment</i> is% (max +15% allowed).														
Clause 11.2(8)	The <i>fee percentage</i> is% (max 15% allowed).														
Clause 11.2(13)	The Price List is in Part C2: Pricing Data of this document														

AUTHORISED SIGNATURE OF TENDERER AS PER SCHEDULE T01 (TENDER OFFER SIGNATURE AND AUTHORITY OF SIGNATORY) OF THIS DOCUMENT SERVES AS SIGNATURE FOR THIS SCHEDULE

Number of additional pages appended by the tenderer to this Schedule:(If nil, enter NIL).

WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****Contract Data****C1.3 Proforma Performance bond****Pro Forma Performance Guarantee (Performance Bond)**

To: **WESTERN CAPE GOVERNMENT**
DEPARTMENT OF HEALTH AND WELLNESS: HEAD OFFICE
 22nd Floor
 4 Dorp Street
 Cape Town
 8001

WESTERN CAPE GOVERNMENT: HEALTH DIRECTORATE: SUPPLY CHAIN (INFRASTRUCTURE SOURCING) BID OPENED 11:00	
2026-10-02	
1).....	2).....
SIGNED	SIGNED

Sir,

PERFORMANCE GUARANTEE FOR THE EXECUTION OF A CONTRACT IN TERMS OF ADDITIONAL CLAUSE 28 OF THE NEC4 ENGINEERING AND CONSTRUCTION SHORT CONTRACT (ECSC4) JUNE 2017.

1 With reference to the contract between

.....
 (hereinafter referred to as the "Contractor") and the Western Cape Government in its Department of Health and Wellness, (hereinafter referred to as the "Client"), **Tender No: WCGHIC0001/2026**, for **Project: Groote Schuur Hospital - Chiller & Cooling Towers Replacement** (hereinafter referred to as the "Contract") in the amount of R, (in words

.....)
 (hereinafter referred to as the "Contract Sum"),

I / We,

in my/our capacity asand hereby representing

.....
 (hereinafter referred to as the "Guarantor")

advise that the Guarantor holds at the Client's disposal the sum of **R 1,000,000-00**

(in words: **one million rand**)

- 2 The Guarantor hereby renounces the benefits of the exceptions *non numeratae pecunia; non causa debiti; excussionis et divisionis*; and all other exceptions which could be pleaded against the enforcement of this guarantee, with the meaning and effect whereof I/we declare myself/ourselves to be conversant, and undertake to pay the Client the amount guaranteed, during the period when the claim is received by the Guarantor, on receipt of a written demand from the Client to do so, and which demand the Client may make if the Client has a right of recovery against the Contractor.
- 3 Subject to the above, but without in any way detracting from the Client's rights to adopt any of the procedures provided for in the Contract, the said demand can be made by the Client, at any stage prior to the expiry of this guarantee.

- 4 The amount paid by the Guarantor in terms of this guarantee may be retained by the *Client* on condition that upon the issue of the last final payment certificate, the *Client* shall account to the Guarantor showing how this amount has been expended and refund any balance due to the Guarantor.
- 5 The *Client* shall have the absolute right to arrange his affairs with the *Contractor* in any manner, which the *Client* deems, fit and the Guarantor shall not have the right to claim his release on account of any conduct alleged to be prejudicial to the Guarantor. Without derogating from the foregoing, any compromise, extension of the construction period, indulgence, release or variation of the *Contractor's* obligation shall not affect the validity of this guarantee.
- 6 This undertaking is neither negotiable nor transferable, and
- 6.1 must be surrendered to the Guarantor at the time when the *Client* accounts to the Guarantor in terms of clause 4 above, or
- 6.2 shall lapse 2 (two) weeks after the date of Completion of the whole of the works, and
- 6.3 shall not be interpreted as extending the Guarantor's liability to anything more than payment of the amount guaranteed

SIGNED AT **ON THIS** **DAY OF**

..... **20**.....

AS WITNESSES

1.

2.

By and on behalf of

.....

.....

.....
(insert the name and physical address of the guarantor)

NAME:.....

CAPACITY:.....
(duly authorised-Resolution to be attached)

DATE:.....

- A. No alterations and/or additions of the wording of this form will be accepted.**
- B. The physical address of the guarantor must be clearly indicated and will be regarded as the guarantor's *domicilium citandi et executandi*, for all purposes arising from this guarantee.**
- C. This GUARANTEE must be returned to:**.....

Guarantor's seal or stamp

WESTERN CAPE GOVERNMENT: HEALTH DIRECTORATE: SUPPLY CHAIN (INFRASTRUCTURE SOURCING) BID OPENED 11:00 2026-10-02 1)..... 2)..... SIGNED SIGNED	
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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement**

Part C2: Pricing Data	
C2.1 Pricing assumptions & instructions	Page 55
C2.2 Pricing schedule	Page 58
Schedule C03: Pricing Summary	Page 58
Schedule C04: Price List	Page 60

WESTERN CAPE GOVERNMENT: HEALTH
DIRECTORATE: SUPPLY CHAIN
(INFRASTRUCTURE SOURCING)
BID OPENED 11:00

2026-10-02

1)..... 2).....
SIGNED SIGNED

WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****C2.1 Pricing assumptions & instructions****Pricing assumptions & instructions****1. GENERAL**

- 1.1 It will be assumed that prices included in the pricing schedule are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders. (Refer to www.stanza.org.za or www.iso.org for information on standards).
- 1.2 The *Contractor* is paid for completed work i.e. work without Defects. This is a re-measurement contract and the Price List comprises only items measured in terms of the standard method of measurement using quantities and rates or stated as lump sums. Value related items are not used. Time related items are items measured using rates where the rate is a unit of time.
- 1.3 The method of measurement is according to the Sixth Edition of the Standard System of Measuring Builder's Work, amended 1999, published by the Association of South African Quantity Surveyors as well as the Model Preambles for Trades (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors, and, where applicable, the latest release of the Civil Engineering Standard Method of Measurement: South African Edition.
- 1.4 Use is made of method related charges for Equipment applied to Providing the Works based on durations shown in the Accepted Programme (if applicable), fixed charges for the use of Equipment that is required throughout the construction phase, time related charges for people working in a supervisory capacity for the period required, and lump sum charges for other facilities or services not directly related to performing work items typically included in other parts of the Price List.
- 1.5 The Price List needs to be read in conjunction with the drawings identified in the Scope.
- 1.6 In the event of any ambiguity or inconsistency between the statements in the *method of measurement* and this section, the interpretation given in these pricing assumptions, the latter shall prevail.
- 1.7 The units of measurement described in the Price List are metric units abbreviated as follows:

Abbreviation	Unit
%	percent
h	hour
ha	hectare
kg	kilogram
kl	kilolitre
km	kilometre
km-pass	kilometre-pass
kPa	kilopascal
kW	kilowatt
l	litre
m	metre
mm	millimetre
m ²	square metre
m ² -pass	square metre pass
m ³	cubic metre
m ³ -km	cubic metre-kilometre

WESTERN CAPE GOVERNMENT: HEALTH
 DIRECTORATE: SUPPLY CHAIN
 (INFRASTRUCTURE SOURCING)
 BID OPENED 11:00

2026-10-02

1)..... 2).....
 SIGNED SIGNED

MN	meganewton
MN.m	meganewton-metre
MPa	megapascal
No.	number
Prov sum	provisional sum
PC-sum	prime cost sum
R/only	Rate only
sum	Lump sum
t	ton (1000kg)
W/day	Work day

- 1.8 For the purpose of the Price List, the following words have the meanings hereby assigned to them:
- Unit: The unit of measurement for each item of work as defined in the relevant Standards or Specifications stated in the Scope of this document.
- Quantity: The number of units of work for each item.
- Rate: The agreed payment per unit of measurement.
- Price: The product of the quantity and the agreed rate for an item, or an agreed amount for an item, the extent of which is described in the Price List but the quantity of work of which is not measured in any units.
- 1.9 Descriptions in the Price List are abbreviated and comply generally with those in the Standards or Specifications stated in Scope of this document.
- 1.10 Unless otherwise stated, items are measured net in accordance with the drawings, and no allowance has been made in the quantities for waste.
- 1.11 The Prices and rates stated for each item in the Price List shall be treated as being fully inclusive of all work, risks, liabilities, obligations, overheads, profit and everything necessary as incurred or required by the Contractor in carrying out or providing that item.
- 1.12 An item against which no Price is entered will be treated as covered by other Prices or rates in the Price List.
- 1.13 All Prices in the Price List exclude VAT, while the total of Prices reflected in the Contractor's Offer includes VAT.
- 1.14 Where the Scope requires detailed shop drawings and designs or other information to be provided, all costs associated therewith are deemed to have been provided for and included in the unit rates and Prices tendered for such items.
- 1.15 Those parts of the contract to be constructed using labour-intensive methods (if applicable) have been marked as such in the pricing schedule and Scope. The works, or parts of the works so designated are to be constructed using labour-intensive methods only, and pricing for such items must make provision for this accordingly. The use of equipment to provide such works, other than Equipment specifically provided for in the Scope, is not allowed and in contravention of the contract. The items designated as labour-intensive are not necessarily an exhaustive list of all the activities which must be done labour-intensively, and this instruction does not override any of the requirements in the general labour-intensive specification in the Scope.

WESTERN CAPE GOVERNMENT: HEALTH DIRECTORATE: SUPPLY CHAIN (INFRASTRUCTURE SOURCING) BID OPENED 11:00	
2026-10-02	
1)..... SIGNED	2)..... SIGNED

2. CONTINGENCY AMOUNTS

- 2.1 The *Client's* contingency remains for the use of the *Client's* unforeseen risks. Written approval from the *Client's* Agent is required for the use of contingency funds.
- 2.2 The Contractor shall include the contingency amount listed in the Pricing Schedule in his calculations for the total price offer.

3. COMPENSATION EVENTS

- 2.1 Payment for items in the Price List which are associated with any budgetary allowances, provisional sums and prime costs are dealt with in the same manner as payment for compensation events, i.e. Defined Cost plus the percentage/s for overheads and profit as stated in the Contract Data.

4. THE TOTAL FINANCIAL OFFER FOR THIS TENDER

- 3.1 The financial offer of this tender is the total price reflected in the Pricing Summary of the Price List and, subsequently, in the *Contractor's* Offer.

5. MATERIAL CONFLICT WITH CONDITIONS OF CONTRACT

- 4.1 PLEASE NOTE: If anything in this Price List materially contradicts or is in conflict with any stipulation in the *conditions of contract*, the stipulation in the *conditions of contract* shall prevail.

WESTERN CAPE GOVERNMENT: HEALTH
 DIRECTORATE: SUPPLY CHAIN
 (INFRASTRUCTURE SOURCING)
 BID OPENED 11:00

2026-10-02

1).....
 SIGNED

2).....
 SIGNED

WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****C2.2 Pricing schedule****SCHEDULE C03: Pricing Summary****TOTAL PRICE OFFER FOR THIS CONTRACT**

Section 1: Preliminary & General Costs R.....

Section 2: HVAC Plant Equipment R.....

Section 3: General Items R.....

Contingency R 500 000-00

(for approval by the Engineer when deemed necessary).

This amount will be omitted from the contract amount

before site access. Will be used for unforeseen expenses.

Subtotal R.....

Add VAT at 15% R.....

TOTAL PRICE OFFER : R.....**This total price offer is to be carried over to C1.1: Form of Offer and Acceptance on page 42 of this document.**The Price List for this contract **is in Schedule C04**, and consists of the following sections:

- Section 1: (Preliminary & General Costs)
- Section 2: (Chiller Plant Equipment)
- Section 3: (General Items)

IMPORTANT: Please note the following:

1. Ensure that the fully priced Price List is returned with your bid/tender submission. Failure to do so will invalidate your tender.
2. Ensure that the pricing totals in the Price List are carried as appropriate to the Pricing Summary on page 60 of this document, and the total of the Prices from there to the Form of Offer and Acceptance on page 42 of this document. Failure to do so will invalidate your tender.
3. Please check the Tender Data (Clause C.2.10.5) for the requirements pertaining to submission of the priced document, and ensure that you comply with the stipulations thereof. Failure to comply will invalidate your tender.
4. All information given in the Scope must be taken into account for pricing. Unrealistic pricing in terms of the envisaged work will render your tender high-risk, and may therefore be ineligible for award.
5. All items in the Price List are to be priced EXCLUSIVE of VAT.
6. All items in the Price List must be priced. Non-priced items may render your bid/tender invalid – please see the Tender Data (Clause C.2.14) for details.

WESTERN CAPE GOVERNMENT: HEALTH
 DIRECTORATE: SUPPLY CHAIN
 (INFRASTRUCTURE SOURCING)
 BID OPENED 11:00

2026-10-02

1)..... 2).....
 SIGNED SIGNED

AUTHORISED SIGNATURE OF TENDERER AS PER SCHEDULE T01 (TENDER OFFER SIGNATURE AND AUTHORITY OF SIGNATORY) OF THIS DOCUMENT SERVES AS SIGNATURE FOR THIS SCHEDULE

Number of additional pages appended by the tenderer to this Schedule:(If nil, enter NIL).

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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****C2.2 Pricing schedule****SCHEDULE C04: Price List****SECTION NO.1 : PRELIMINARY AND GENERAL COSTS**

(Note : These prices shall be firm and not subject to price adjustment)

Item	Description	Unit	Qty	Supply Rate	Install Rate	Amount (excl. VAT)
	Allow for all the preliminary and general items required to provide the health & safety, mechanical and electrical installation for this project, but excluding items priced elsewhere in these Bills (These amounts will be paid pro rata to the rest of the amounts claimed by the contractor, relative to the tender amount).					
1	<u>CONTRACTUAL REQUIREMENTS</u>					
	Tenderers to allow for compliance with all the conditions of the contract.	sum	1			
2	<u>JOINT TRADES</u>					
	Tenderers to allow for all costs which may be required in order to co-ordinate and liaise with the other Trade Contractors, especially with the electrical contractor.	sum	1			
3	<u>SUPERVISOR</u>					
	Tenderer to allow for a full time working supervisor during the duration of the contract, who shall have the delegated authority to receive instructions and make decisions regarding the contract.	sum	1			
4	<u>SITE ESTABLISHMENT</u>					
	Tenderers to allow for all costs which may be required in order to place the necessary facilities on site for safe storage and orderly management purposes for the duration of the contract.	sum	1			
5	<u>REMOVAL OF WASTE</u>					
	Tenderer to allow for all costs associated with cleaning the site of all rubbish and waste caused by this contract.	sum	1			

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Item	Description	Unit	Qty	Supply Rate	Install Rate	Amount (excl. VAT)
6	<u>HEALTH AND SAFETY</u>					
	Health and Safety Plan, Compliance with all listed Regulations and other statutory requirements and submit a copy to the <i>Client's</i> Agent.	sum	1			
7	<u>GENERAL ITEMS</u>					
	Any additional, items that the Tenderer deems necessary for the successful and total completion of the portion of the work required for this Bill. Specify:					
(a)	Travelling	sum	1			
(b)	Construction guarantee	sum	1			
(c)	Protection against damage, hoisting and rigging	sum	1			
(d)	PPE, including task-specific PPE	sum	1			
(e)						
Total for SECTION No.1 Carried to Schedule C03 Pricing Summary		R				

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Groote Schuur Hospital - Chiller & Cooling Towers Replacement**SECTION NO.2 : HVAC PLANT EQUIPMENT**

(Note : These prices shall be firm and not subject to price adjustment)

Item	Description	Unit	Qty	Supply Rate	Install Rate	Amount (excl. VAT)
2.1	<u>CHILLERS</u>					
1	Supply and installation of a 1,8 MW water cooled screw chiller, as per the specification and drawings.	no	1			
2	Controls: Upgrading of existing Tracer Chiller Plant Manager for extra chiller, including controller, programming, sensors and cabling. Include cabling to four new isolation valves on condenser water lines.	sum	1			
3	Integration into existing Metasys BMS.	sum	1			
4	Extensions to concrete plinths to suit new chiller and pumps, as per the specifications.	sum	1			
5	Assembly of unit on site including rigging of chiller into the location in plantroom.					
6	Commissioning and testing of the chiller by supplier.	sum	1			
2.2	<u>PUMPS</u>					
	Duty figures for tender only; actual duties and selections to be determined by contractor and approved by <i>Client's Agent</i> before delivery to site.					
	Supply & install primary chilled water pump and condenser water pump complete with manifolds, valving, couplings, antivibration mounts, controls, strainers, inertia bases, etc. complete as per the specification and drawings.					
1	Primary chilled water pump (80l/s @ 160kPa)	no	1			
2	Condenser water pump (86l/s @ 250kPa)	no	1			
3	Rigging and assembly of pumps on site.	sum	2			
4	Commissioning and testing of the pump system by supplier.	sum	1			

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Item	Description	Unit	Qty	Supply Rate	Install Rate	Amount (excl. VAT)
2,3	<u>CHILLER AND PUMP RELATED EQUIPMENT</u>					
1	Supply and installation of valves as per the specification and drawings. Insulation to be included in piping item.					
	Shut off valves - 250 dia	no	1			
	Shut off valves - 200 dia	no	8			
	Non return valves - 200 dia	no	3			
	Strainers - 200 dia	no	2			
	Water treatment connection	no	2			
	Drain cock - 40 dia	no	3			
	Air release valves	no	3			
	Expansion bellows 200mm	no	6			
2	Supply and installation of gauges and sensors as per the specification and drawings					
	Thermometer	no	4			
	Pressure gauge	no	4			
	Binder point	no	8			
	Flow switch	no	2			
2,4	<u>CHILLED WATER PIPING</u>					
	Quantities are for tender purposes only and for claims, actual values must be measured on site.					
1	Supply and install BLACK STEEL CHILLED water piping to connect chiller to pump and to supply and return headers, complete with PIC insulation as per the specification and drawings. Design to be approved by Engineer.					
	Straight piping					
	250 dia	m	2			
	200 dia	m	66			
	150 dia	m	2			
	Tees, bends, reducers, etc.					
	250 dia	sum	1			
	200 dia	sum	1			
	150 dia	sum	1			
2	Supply and installation of all fittings, bracketing, hangers and spring mounts as required on the chilled water piping.	sum	1			
3	Painting and labelling of all chilled water equipment and piping	sum	1			
4	Supply and implementation of Corrosion and Deposit inhibitor and Biocide. Including a cleaning, flushing, pre-treatment chemical for the complete closed primary chilled water circuit for all 5 chillers.	sum	1			

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Item	Description	Unit	Qty	Supply Rate	Install Rate	Amount (excl. VAT)
2,5	<u>CONDENSER WATER PIPING</u>					
	Quantities are for tender purposes only and for claims, actual values must be measured on site.					
1	Supply and install GALVANIZED STEEL CONDENSER water piping to connect chiller to pump and cooling tower supply and return lines as per the specification and drawings. Design to be approved by Engineer.					
	Straight piping					
	250 dia	m	6			
	200 dia	m	78			
	Tees, bends, reducers, etc.					
	250 dia	sum	1			
	200 dia	sum	1			
2	Supply and installation of all fittings, bracketing, hangers and spring mounts as required on the condenser water piping.	sum	1			
3	Motorised isolation valve 200 dia	no	4			
4	Painting and labelling of all condenser water equipment and piping	sum	1			
2,6	<u>COOLING TOWERS</u>					
1	Supply and install cooling tower with 15 kW fan motor for duty as specified.	no	4			
2	Dismantling and removal of four existing units, crantage and rigging of new components to roof, assembly and commissioning of four new units	sum	1			
3	Connection to existing piping, refilling, leak testing.	sum	1			
4	Supply and install complete water treatment system.	sum	1			
5	Supply and implementation of Corrosion and Deposit inhibitor and Biocide. Include initial cleaning, pipe flushing, pre-treatment chemical for complete condenser water system. Include servicing and chemicals for 12 months.	sum	1			

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Item	Description	Unit	QTY	Supply Rate	Install Rate	Amount (excl. VAT)
2,7	<u>ELECTRICAL</u>					
1	Plantroom: Supply and installation of switchgear into existing panel and cabling to the new chiller and two new pumps complete with all wiring, contactors, breakers, overloads as specified and as required for a fully functional installation as per the design intent.	sum	1			
2	Roof H1 and H2: Upgrade two existing cooling tower power supply panels to suit new larger VSD's and cooling towers. Include switchgear and cabling to the four new cooling towers. Use existing board and also cabling where possible (to be approved). Include disconnection of existing equipment. Include power supplies to new water treatment plants.	sum	1			
3	15 kW VSD for cooling tower fan motors	no	4			
4	Power supply from plant room to cooling tower panels: Upgrade switchgear, breakers, etc. and cabling from A - level plantroom to the cooling tower and water treatment supply panels on the roofs H1 & H2 (item 2 and 3 above). Use existing board and also cabling where possible (to be approved).	sum	1			
Total for Schedule No.2 Carried to Schedule C03 Pricing Summary					R	

If tendered rates are unrealistically high, *Client* can use someone of their choice to do additional or extra work and the *contractor* will be responsible for the payment of the sub-contractor and charge the agreed mark-up rates (15%). The rates will be used for additional work not foreseen and must be approved by the *Client* as a *compensation event* before any work can start.

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SECTION NO.3 : GENERAL ITEMS

(Note : These prices shall be firm and not subject to price adjustment)

Item	Description	Unit	QTY	Supply Rate	Install Rate	Amount (excl. VAT)
1	Guarantee all work for 1 year inclusive of a written guarantee from the chiller manufacturer that the product application and installation was supervised and correctly installed.	sum	1			
2	Allow for commissioning and testing the complete installation as specified.	sum	1			
3	Allow for three sets of maintenance and operation manuals, including spare part lists as specified. Manuals to be supplied in hard copy and electronic form.	sum	1			
4	Allow for instructing the staff and maintenance in the correct operation of the installation.	sum	1			
5	Miscellaneous items not listed in the priced schedule but required for a complete and working installation, to be listed below:					
5.1	Certificate of Compliance for electrical work.	sum	1			
5.2	Certificate of Conformance for mechanical work	sum	1			
5.3						
5.4						
5.5						
5.6						
6	52 Week Maintenance Period	sum	1			
Total for SECTION No.3 Carried to Schedule C03 Pricing Summary					R	

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Number of additional pages appended by the tenderer to this Schedule:(If nil, enter NIL).

WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****Part C3: Scope of Work**

Scope	Page 68
Preamble to Scope	Page 68
1. Description of the works	Page 69
2. List of drawings, schematics & annexures	Page 73
3. Specifications, standards & workmanship	Page 74
4. Constraints on Providing the Works	Page 86
5. Requirements for the programme	Page 90
6. Services and other things provided by the <i>Client</i>	Page 92
7. Schedules & forms	
Schedule C05: Contract information required from <i>Contractor</i>	Page 93
Schedule C06: Amendments by <i>Contractor</i>	Page 94
Schedule C07: <i>Contractor's</i> Equipment schedule	Page 95
Schedule C08: <i>Contractor's</i> schedule of subcontractors	Page 96
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Schedule C10: <i>Contractor's</i> health & safety plan	Page 98
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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****Part C3: Scope of Work****Preamble to Scope****NEC4 defined terms and terms identified in the Contract Data**

The works are to be executed in accordance with the Scope forming part of the NEC4 *conditions of contract* as described in the Contract Data of this document. The Scope is meant to convey all relevant information required for the execution of the works clearly and unambiguously by following the formatting requirements of the *conditions of contract*, with due reference to defined terms and terms identified in the Contract Data.

Clause 11.1 of the *conditions of contract* stipulates that terms identified in the Contract Data are in italics, and defined terms have capital initials.

While every effort is made to ensure that the Scope conforms in full to these formatting requirements, there will always be a possibility that some defined terms and terms identified in the Contract Data may not be formatted in the prescribed manner in the Scope. This possibility increases when the Scope is voluminous and comprises different parts compiled by different contributors and disciplines.

THEREFORE, PLEASE NOTE:

For the purposes of clarity and to remove any ambiguity in regard to defined terms and terms identified in the Contract Data as referenced in the Scope, the following shall apply:

- All defined terms which do not have capital initials, shall be read as if they have capital initials, and
- all terms identified in the Contract Data which are not in italics, shall be read as if they are in italics.

Material conflict with *conditions of contract*

PLEASE NOTE: If anything in the Scope materially contradicts or is in conflict with any stipulation in the *conditions of contract*, the stipulation in the *conditions of contract* shall prevail.

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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****Part C3: Scope of Work****1. Description of the works****1.1 Overview**

The contract is for the supply, installation and commissioning of a new water chiller and the replacement of four existing cooling towers at Groote Schuur Hospital, followed by a 52-week maintenance period. The new chiller is additional to the four existing chillers located in the plantroom.

1.2 Purpose / Client's objectives

The aim is to restore the chilled water system to full capacity.

1.3 Location of the works

The works will be carried out at Groote Schuur Hospital. The location of the facility is as stated in the Site Information (Part C4).

1.4 Abbreviations and additional defined terms

Abbreviation	Unit
CoC	Certificate of Compliance

1.5 Start-up and management**1.5.1 Meetings**

A compulsory site meeting will be held and after acceptance of the winning Tenderer, a site access meeting.

Progress site meetings will be held, in which case the *Contractor* will be notified at least 48 hours in advance. Progress meetings between the *Client's Agent*, Department of Health Official at the facility or his duly appointed representative, and the *Contractor* shall be held at a time, date, and venue determined by the *Client's Agent*, to discuss the progress and quality of the maintenance and repair work. No additional compensation will be paid for this. The progress site meetings will be under the chairmanship of the *Client's Agent* or his Representative

A final inspection meeting will be held once all defects have been corrected at site, as pointed out and notified by the *Client's Agent*.

1.5.2 Workshops and training

Training will be given to the hospital staff regarding the operation and maintenance of all works.

1.5.3 Documentation

The following documentation will be provided by the *Client*:

- The Tender Document
- The Contract
- Drawings if applicable

1.5.4 Communication

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The *Client's Agent* can be contacted directly via any format during working hours. Any complaints, queries, questions etc. regarding the works, must be routed via the *Client*.

1.5.5 Agent on site

The Agent on site has the right to inspect the works of the contractor but may not issue instructions to the *Contractor*. The findings of the Agent on site should be relayed to the *Client's Agent*, who has the authority to issue instructions to the *Contractor*.

1.5.6 Quality assurance requirements

Only new genuine materials of high quality shall be used throughout the course of the project and shall be subject to the approval of the *Client's Agent*.

Equally approved 'products' or approved 'manufacturers' other than specified in the Pricing Schedule need to be approved by the *Client's Agent*, and may require the tenderer to supply the *Client's Agent* with a specification and samples of the product, for a review of performance and feedback purposes, timeously before the tenderer submits his price on IPS. All other tenderers will be notified of all "equally approved" products that are approved and accepted by the *Client's Agent*.

The *Contractor* is responsible for the timely ordering of all material and products required for this project and is solely responsible for the quality of these items. All items in the Pricing Schedule shall be for the supply and installation of new genuine "products and materials". Any defective/substandard products, defective/substandard materials, and poor workmanship shall be replaced and corrected with approved products/materials at the *Contractor's* own expense.

1.5.7 Contract change management control system

When changes in the works occur, the *Client* will obtain a quote from the *Contractor* for the new works. If the motivation for the changes is accepted by the *Client*, the *Client* will issue a compensation event to the *Contractor* and only then the changed works can be done.

1.5.8 Accounts and records

The *Contractor's* invoice:

The *Contractor* submits original valid tax invoices satisfying the requirements of the Works Information one week after receiving a payment certificate from the *Client*.

Where the *Contractor* does not submit the tax invoices within the time required, the period within which payment is made and the time allowed are extended by the length of time from the date that the *Contractor* should have submitted the tax invoices to the date that the tax invoices are submitted. All invoices should be addressed to the *Client's Agent* and must incorporate an invoice number, date, project reference number, the name of the facility where the works are carried out, banking particulars of the contractor, a description of the works completed with pricing in accordance with the contract.

Final account and final payment:

The *Contractor* cooperates with the *Client* in the preparation of the final account by timeously supplying all relevant documents on request, upon completion of the whole of the works:

- a) The *Client* submits the final account to the *Contractor* within 18 (eighteen) weeks of the Completion of the whole of the works;
- b) The *Contractor* gives written acceptance of the final account within 9 (nine) weeks of receipt thereof. On acceptance the *Client* issues the final payment certificate within 1 (one) week of the date of acceptance to the *Contractor*;
- c) If the *Contractor* disputes the correctness of the final account and such dispute is not resolved within the 9 (nine) week period (or such an extended period as the *Client* may allow on a request from the *Contractor*), the final payment certificate in terms of that final account is issued by the *Client* within 1 (one) week of the end of such period;

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- d) The amount certified in the final payment certificate separately includes the gross amount of the final account and the amounts previously certified during the execution of the works;
- e) The *Client* certifies 100% (one hundred percent) of the amount of the final account in the payment certificate where security in the form of a performance bond or payment reduction has been applied;
- f) The *Client* concurrently issues with the final payment certificate, a statement to both the *Client* and *Contractor* showing the total amount of tax certified;
- g) The *Client* pays to the *Contractor* the amount certified for payment in the final payment certificate within 4 (four) weeks of the date of issue of the final payment certificate, subject to the *Contractor* giving the *Client* a tax invoice for the amount due;
- h) Where the final payment certificate reflects an amount in favor of the *Client*, the *Contractor* pays the amount certified within 1 (one) week of the date of issue of the final payment certificate, subject to the *Client* giving the *Contractor* a tax invoice for the amount due.

1.6 Operating manuals and maintenance schedules

The Contractor shall prepare and supply O & M manuals for the successful operation and maintenance of the Installation. These shall be in hard copy and electronic form.

The manual shall include:

- A system description of the Installation.
- Step-by-step operating instructions.
- Full information of the Contractor including emergency telephone and fax numbers and contact persons.
- A list of equipment (and spares) giving the following information for each item:
Description:
Make:
Model No.:
Manufacturer/Agent: (Name, address, tel. & fax no.)
Comment: (indicate spares to be held if of a critical nature)
Catalogues and brochures
Set of as-installed drawings

A draft copy shall be submitted to the *Client's Agent* prior to commencement of commissioning.

Prior to handing over the installation to the *Client*, the *Contractor* shall supply 2 complete manuals which have been updated and which include all commissioning data, certificates of compliance, as well as "As-Installed" drawings.

Emergency calls shall be attended to immediately within 24 hours failing which the client will have the right to employ another Contractor and deduct the resulting cost from monies owed to the Contractor for this project or other projects for Health Department.

1.7 Procurement

Approval of equipment selection

The *Client* is required to inspect and test certain equipment listed in the specification under "Hold Points" at their place of manufacture and such Equipment may not be delivered to the contract Site, nor may the *Contractor* proceed with the manufacture and/or installation of such Equipment without prior written consent from the *Client*.

The *Contractor* must give the *Client's Agent* at least 7 days advance notice of the date at which such tests and inspections are to be carried out unless otherwise agreed by both parties.

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1.8 Construction**1.8.1 Completion**

This Works will have Sectional Completion, with the Installation Section being completed first, and the completion of the Service and Maintenance section constituting Final Completion

1.8.2 Progress inspections

The *Client* will hold inspections at his discretion during the contract to ensure that the *Contractor* meets the requirements of the specification and that the *Contractor* is fulfilling his responsibility regarding quality control.

Should remedial action be required, the *Client's Agent* will notify the *Contractor*, who shall rectify his work within 7 days.

1.8.3 Commissioning

All on-site testing of the various components as well as all commissioning activities shall be carried out in close co-operation with the *Client's Agent*.

All testing and commissioning shall be carried out in the presence of the *Client's Agent* or his duly authorised representative and shall at all times be thorough and in strict accordance with the specified requirements and approved procedures. All tests carried out without the *Client* being duly notified will be regarded as unofficial and may, at the discretion of the *Client*, have to be repeated at the cost of the *Contractor*.

1.8.4 Costs of re-inspections

Should the *Client's Agent*, after an inspection or test, find that the number of outstanding defects is of such a nature that he is unable to issue a meaningful list or certificate, or that due to the *Contractor* not attending to previous lists or reports, re-inspections are required, such re-inspections will be charged to the *Contractor* and deducted from the balance of his account by means of a compensation event. The *Client's Agent* will be compensated accordingly by the *Client*.

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WESTERN CAPE GOVERNMENT DEPARTMENT OF HEALTH AND WELLNESS

Groote Schuur Hospital - Chiller & Cooling Towers Replacement

Part C3: Scope of Work

2. List of drawings, schematics & annexures

The works are to be executed in accordance with the following design drawings, schematic representations and annexures which form part of this contract. The list below indicates which items are included in the Appendix to this document, and which are issued separately due to size or other considerations. It is the responsibility of tenderers to ensure they have obtained and considered all the listed items for preparing their tender, which is the assumption when tenders are evaluated.

Identification	Size	Description	Included in Appendix
Drawing 1	Pdf	Google Earth view of Hospital showing the location of the cooling towers	Yes
Drawing 2	Pdf	Proposed additional 5 th Chiller connections	Yes
Drawing 3	Pdf	As-built schematic of existing system	Yes
Drawing 4	Pdf	Isometric view of existing plantroom layout	Yes

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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****Part C3: Scope of Work****3. Specifications, standards and workmanship**

The works are to be executed subject to these specifications, standards and workmanship requirements. Please note that compliance with all these specifications and standards, including requirements in terms of qualifications, accreditation (where applicable) and work experience of both the tendering entity and its key people will be material in the *Client's* risk assessment for awarding this contract.

Standard Specifications

Where reference is made to the standard specifications in this contract, it means the latest edition of the documents which apply to the specific discipline involved in the works, as referenced under any of the headings below. The standard specifications may, due to their generality and completeness, also cover items not applicable to this particular contract.

Project specifications

Project specifications include amendments to the standard specifications as well as supplemental specifications applicable to work items not covered by the standard specifications. Project specifications, where applicable, may be found throughout the Works Information of this document, including works drawings. The *pricing schedule* may also contain references to standard specifications as well as project specifications, for clarification in terms of pricing for certain items, where applicable.

In the event of any discrepancy between the project specifications and a part of the standard specifications found in the Works Information of this document, the project specifications take precedence.

Accreditation, qualifications and work experience

Minimum requirements for work experience, qualifications and accreditation (where applicable) as well as minimum personnel are as stated under the headings below. The tenderer must supply the relevant information in regard to accreditations, qualifications and work experience for both the enterprise and key people who will be working on this contract on the appropriate returnable schedule in the Works Information

3.1 Statutory and regulatory requirements

The Contractor shall ensure that the Installation, including all equipment used, is designed, installed and maintained in compliance with the following drawings and regulations:

- PGWC Standard Specification for Mechanical Installations
- PGWC Standard Specification for Electrical Installations
- PGWC Standard Specification for Fire Detection
- PGWC – Technical Specification no 6A- Hot and Cold-water Services
- SANS 10142 –a.a.: Code of Practice for Wiring of Premises
- National Building Regulations – SANS 10400 and General
- SANS 10139
- SANS 530
- The Occupational Health and Safety Act: 1993 incorporated Regulations and Standards.
- Provincial Government Western Cape: Department of Health – Engineering & Support Services: Guideline Health and Safety Specification for Construction and Maintenance work at Hospitals and other Health institutions
- Construction Regulations, 2014 (GN No. R84 of 7 February 2014)
- All relevant SABS or SANS Specifications for products and materials
- Municipal By-laws and Regulations
- PGWC – Standard Paint Specification
- Government notice R155 – Asbestos Regulations, 2001 and Guide to Demolition Work Regulation 21 – Asbestos Regulations
- National Department Of Public Works: Specification Of Materials And Methods To Be Used: OW 371

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- Provincial Government Western Cape: Department of Health – Engineering & Support Services: Guideline Health and Safety Specification for Construction and Maintenance work at Hospitals and other Health institutions
- SABS 021-SABS code of practice: Waterproofing of buildings.
- Relevant sections of SANS 1200
- The Fire Brigade services act 1993 Act 99 of 1987 as amended,
- Municipal, local or, where applicable, other authorities' by-laws and regulations with regard to building, electrical, fire, gas, water, traffic and health requirements.

The *Tenderer* shall study these documents and acquaint himself with the contents thereof as no claims in this regard will be entertained. Before commencing with any work on site, the *Contractor* will be required to hand in a Health & Safety Plan for this contract as well as a detailed programme of activities with dates and materials to be used for approval. If not specified in the pricing schedule, only SABS approved materials will be used and the *Contractor* will guarantee his workmanship for a five-year period.

The *Contractor* shall exempt the *Client* from any claims, losses or expenditure that may arise as a result of the *Contractor's* negligence or failure to comply with the abovementioned regulations.

The *Contractor* shall be responsible for all notifications and payments required by any authority for inspections, tests and supply of any service required for this installation. The Tenderers are therefore required to fully acquaint themselves with these requirements prior to tendering.

The *Contractor* shall supply and install all notices and warning signs that are required by relevant laws or regulations, to the full approval of the *Client's* Agent and the applicable authorities. All uncertainties of any such requirements shall be clarified prior to tendering. The cost of all such notices shall be allowed for in the Tender.

3.2 General Conditions

Similar equally approved 'products' or approved 'manufacturers' other than specified in the Pricing Schedule or elsewhere need to be approved by the *Client's* Agent, and may require the tenderer to supply the *Client's* Agent with a specification and samples and of the product, for review and feedback purposes, timeously before the tenderer submits his price.

The Contractor is responsible for the timely ordering of all material and products required for this project and is solely responsible for the quality of these items. All items in the Pricing Schedule shall be for the supply and installation of genuine "products and materials". Any defective/substandard products, defective/substandard materials, and poor workmanship shall be replaced and corrected with approved products/materials at the Contractor's own expense.

If no particular product and materials are specified in the Pricing Schedule, the contractor shall supply SABS approved products and materials bearing the SABS mark and stamp. Where no applicable SABS specification exists, all material must comply with the equivalent IEC, BSI, DIN or IP specifications or be of the quality as specified

Contractors shall perform their own measurements on site before tendering or ordering of material, products, and equipment. The measurements given in the tender document are estimates only and for tendering purposes only so that contractors can tender.

Where applicable, the contractor shall use the guideline drawings provided by the Department when applicable to tender on the contract works for the replacement systems.

The contractor shall only price for the items as they are listed in the Pricing Schedule and as detailed in the is Specification, even though the final design may change, so as to ensure all contractors are tendering on an even playing field.

3.2.1 Identification of Personnel

All workers are to be clearly identifiable by means of laminated ID tags indicating the persons' name and company. To also contain a clear, recent and easily identifiable photo or company Logo no less than 30 x 40mm in size. The Departmental technical representative may be approached timeously to give possible aid in this. This is also applicable to subcontractors and are to be arranged and maintained by the main contractor. The main contractor site agent / foreman shall keep an up-to-date register of personnel on site and make it available to the Departmental Representative overseeing the project on request.

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3.2.2 Personnel Movement / Restricted Access

Contract personnel are only allowed to move freely as per the attached Access & Movements Plan. Failure to adhere will result in a person being escorted off the terrain by internal security personnel. Only the public areas that is being worked in will be open for access. The when and where of meals are for the contractor's own internal arrangements. Do note however that personnel are not allowed to wander over the terrain or into buildings over lunchtime. Personnel are also not allowed to move or rest in-between vehicles, vacant patient rooms or beds or in open view of the public. To this effect again refer to the applicable terrain plan.

3.2.3 Ablution Facilities

The contractor shall provide suitable ablution facilities for workers and no work may be laid to hand unless the facilities are available. The facility may make a toilet available to the contractor. In this case the contractor shall keep the area neat and tidy on a daily basis.

3.2.4 Supervisor / Foreman on Site

The contractor shall employ a full-time Site Supervisor. This shall under no circumstances be an ordinary worker that is merely appointed as such but someone who is fully competent and able to function in this capacity, manage other workers & subcontractors and be able to make instant, sound decisions on behalf of the company and for which the company will take full responsibility.

3.2.5 Occupational Health & Safety

It is expected of the contractor, as well as his/her agent on site to be fully acquainted with the Occupational Health & Safety Act and Regulations and see to it that their whole team and all those subcontracted by them adhere thereto at all times. In particular but not limited to, the following is to be noted:

All safety devices on Equipment are to be in good working order and may not be by-passed or modified in any way. This include personal Protective Gear.

All electrical extension leads are to be of sufficient gauge and minimal length for the work used for and be of the three-core (earthed) type. Unless marked as "Double Insulated" by the manufacturer, no Electrical Equipment may be used with a two-prong Euro-Type plug.

Workers involved with chiselling / cutting on cemented surfaces are to be supplied with ear plugs, contoured dust masks, safety helmets and wrap-around safety goggles with an ANSI rating of Z87 as a minimum standard. A new dust mask shall be issued daily per member directly involved with or working in the near vicinity of such work, for the duration of such work.

In addition, all personnel shall wear steel-tip safety boots. Personnel involved in the demolishing or building of bricked surfaces or ceilings shall also wear hard hats and be issued with suitable gloves.

If the Departmental Technician overseeing the project deems any material, process, or action to be unsafe or in contradiction with the Act, he will issue a written notice to the effect, signed for acceptance by the Contractor's agent and the applicable process will be stopped until the inherent risk is removed. Unless completely beyond the control of the contractor and not of his doing, this will not afford the contractor any extension of time.

3.2.6 Registers / Documentation Kept on Site

The following registers and document shall be kept on site, updated as required and be available to the Departmental representative upon request.

Staff Register	1. To include a copy of each Person's ID.	Start of Contract
	2. Have a table for the daily sign-in / out for each person.	Daily
	3. Have a section where each person has signed for his/her ID tag.	Start of Contract
	4. Contain a list of the PPE gear issued to each worker with accompanying signatures.	Start of Contract

	5. Contain documented proof that each worker was trained in and is competent with safe working procedures for the work he/she is expected to do. In aid of this the Local Department Technical representative will hold an official informative session with workers on the morning of official commencement of work on site.	
Subcontractors	Everything pertaining to the Main Contractor is also applicable to Sub-contractors. The responsibility to fulfil however remains with the Main Contractor.	Ongoing
Occupational Health & Safety / Risk Register	1. To contain an up to date section containing tick sheets for weekly safety checks on electrical equipment, hand tools and ladders. 2. Any and every incident / near incident has to be recorded in full, with dates, measures and responsibilities clearly indicated in order to prevent a re-occurrence. 3. All communication between the contractor and Dept Rep wrt potential risks are to be made in writing in the register and duly signed by both parties. Each entry to contain space for an action / review date, responsible person / entity and a completed / close-out comment. 4. All entries in the register shall be sequentially numbered. The register shall also carry an index in the front thereof containing the date, number, and description of each entry. The register shall remain with the Hospital after completion of the project. 5. Specifically with regards to the demolishing work, the contractor shall submit beforehand and for approval by the Department, a written method with which the said demolishing is to be handled to avoid risk of injury.	Ongoing
Specification & BoQ documents	The main Contractor's Site manager shall at all times have a copy of these documents at hand to refer to.	Ongoing

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3.2.7 Measurements, Sizes & Scaling

Drawings supplied are not to scale and only serve to identify areas and services within the area of work.

While measurements in the BoQ have been attempted to be as accurate as possible the onus is still on the contractor to confirm if in doubt. The BoQ only specifies units, areas in square and cubic metres and lengths in metres. Unless specific mention is made in the BoQ on a specific piece of material or method, all detailed specifications wrt materials & methods are contained in this specification. Pricing should therefore be done according to the quantities on the BoQ but in conjunction with the detailed descriptions in this document.

3.2.8 Interpretation of Specifications and Items in the Bill

The successful tenderer shall be deemed co-responsible for the correctness of the specifications and bill in terms of the following:

- It will be reasonably assumed that having seen the facility and having read the tendering docs in full and by putting forth a tender, the tenderer is in agreement with the materials and

methods described and shall wilfully and consciously forfeit any future claim with regards to possible different or miss-interpretation of the documents or given measurements.

- Unless specifically mentioned, it shall be assumed that whenever a component is mentioned in the specification or bill, it automatically includes all items associated with it and with the type of installation ie elbows, tee's fasteners, sealants, joints etc.

3.2.9 Electrical Work

All electrical work shall be according to the Department's Standard Specification for Electrical Work. The contractor shall submit wiring diagrams for approval. Electrical motors shall conform to BS 5000-99. All electrical work will be inspected by the department.

All electrical motors shall be provided with thermal overloads.

3.2.10 Insulation General

Clean and treat all surfaces before insulation. Prepare and paint steel surfaces in accordance with the Standard Specification with a base coat prior to insulation.

Do all pressure tests in the presence of the Department prior to insulation.

All thermal insulation work shall be executed by specialists in this field.

The final insulation surface shall have a neat, smooth and symmetrical finish. Use adhesives, sealants and coatings, which are compatible with the insulation material. Use only insulation materials, which do not produce toxic fumes when burning and have been approved by the Local Authorities.

Submit certified tests reports from independent institution approved by the department in which the following information is given

- The thermal conductivity of insulating materials at operating temperature.
- The surface spread of flame of insulating materials, adhesives and other finishes.
- The permeance of vapour barrier systems (chilled water systems)
- The sound absorption co-efficient of insulation materials (internal insulated ducts)

The surface spread of flame of insulation cladding shall be in accordance with BS 476 Class I.

Use only insulation, adhesives and finishes which are resistant to rotting, mould, fungus growth, decay and attack by vermin.

3.3 Important Notes:

3.3.1 Detail Design Drawing (Shop Drawings)

The contractor shall submit to the *Client's* Agent, in accordance with the construction programme, but not later than the period as stated in the Special Conditions of Contract, two copies of each shop drawing for approval. A marked-up copy with the *Client's* Agent and, if applicable, Architect's or facility's comments will be returned to the Contractor, who will update the original accordingly, after which the original shall be submitted to the *Client's* Agent for his signature. The *Client's* Agent approval shall not relieve the Contractor of his responsibility for erection or installation or of errors or omissions in the shop drawings.

The Contractor will be required to produce the following Detailed Design Drawings:

- Electrical Systems
- General Arrangement Drawings
- Schematic and Circuit Diagrams
- Basic Logic Diagram
- Interconnection Diagrams
- Mechanical Systems
- General Arrangement Drawing
- Process Flow Diagram
- Instrumentation System
- Control Diagrams
- Sequence Diagrams

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3.3.2 Logic Diagrams

The drawings shall be sufficiently detailed to enable the *Client's* staff to maintain, dismantle re-assemble and adjust all parts of the works. The layouts shall indicate the location of all manual and automatic control devices, control panels, sensors, etc.

The writing diagrams shall indicate all motor kilowatt ratings and circuit breaker and contractor ratings and protection settings.

3.3.3 'As Installed' Drawings

Drawings shall be updated as work progresses in order that the "As Installed" drawings on completion reflect the final installation.

Two (2) complete sets of electronic copies shall be supplied to the *Client's* Agent together with one set of paper prints per O & M manual.

3.3.4 Progress Inspections

The *Client's* Agent will hold inspections at his discretion during the contract to ensure that the Contractor meets the requirements of the Specification and that the Contractor is fulfilling his responsibility regarding quality control.

Should remedial action be required, the *Client's* Agent will issue the appropriate notice according to NEC3 rules and the Contractor shall rectify his work accordingly.

3.3.5 Training of *Client's* Personnel

Once the Contractor has completed and commissioned the Installation and issued the O & M manuals to the satisfaction of the *Client's* Agent, he/she shall teach the *Client's* personnel the proper operation and maintenance of the plant.

The Contractor shall give the Engineer sufficient time to make the necessary arrangements.

The Contractor will remain responsible to operate the Installation on a daily basis until he has adequately trained such personnel.

3.3.6 Tools, Equipment and Test Instruments

The Contractor shall provide all tools and equipment necessary for the proper and efficient execution of the work.

The Contractor shall provide all test instruments necessary for the proper testing of equipment or systems to ensure that the specified requirements are met.

The Contractor shall provide valid calibration certificates for all instruments.

3.3.7 Maintenance Tools

The Contractor shall provide one complete set of all special tools required for testing, dismantling or operating all items of equipment.

Duplicate keys shall be provided for all control panels, instrument locks, etc.

3.3.8 GUARANTEE

A guarantee period of a full 12-months or more, if guaranteed by the manufacturers, shall commence from the date of beneficial use of the water chiller and the cooling towers. It is required that all systems shall be serviced and checked in accordance with the manufacturer's requirements.

3.4 DETAILED TECHNICAL SPECIFICATION OF WATER CHILLER REPLACEMENT

3.4.1 SUMMARY OF WORK

Supply and install new chiller with chilled and condenser water pumps in designated place in plantroom Concrete base plinths to be modified as necessary to suit new chiller. Additional piping to

be installed to connect chiller and pumps to existing chilled and condenser water piping systems. Provide power supplies for new equipment.

Remove existing cooling towers on roof and replace with four new cooling towers. Include a new water treatment system. Existing piping to be retained. Existing power supply to be upgraded. New equipment to be lifted by crane onto roof and rigged into position.

Control system to be modified to incorporate new equipment. Entire chilled water system including existing four chillers, and new cooling towers, to be completed and commissioned.

3.4.2 CHILLER

Supply new chiller as specified below and according to 3.4.14 SCHEDULE OF DETAILED SPECIFICATION DATA and DETAILS OF CONTRACTOR'S OFFER on page 84, which gives acceptable tolerances.

- a) Cooling capacity; nominal 1836 kW.
- b) Single screw compressor, variable speed
- c) Single circuit
- d) Shell-and-tube evaporator and condenser.
- e) R-134A Refrigerant.
- f) Daikin, Trane, Carrier, Aermec, and similar or equivalent chillers will be accepted as replacement chillers, as the Department of Health & Wellness has standardised on these brands. Tenderers must complete the Schedule below, with details of the chillers offered. Chillers offered must be equal to or better than specified in the Schedule of Detailed Specification Data below.

Details of the equipment offered must be entered into 3.4.14 SCHEDULE OF DETAILED SPECIFICATION DATA and DETAILS OF CONTRACTOR'S OFFER on page 84. Full specification/manufacturers detailed data sheets, specific to the model and options selected, must be issued with tender. Failure to do so will invalidate your tender.

3.4.3 PLANTROOM, POSITIONING OF NEW PLANT AND PLINTH

The positions of the new chiller and pumps as shown in the tender drawings are indicative only, and the final exact position must be determined with, and approved by, the *Client's Agent*, taking into account serviceability, pipe runs and other relevant factors.

If necessary to suit the size and position of the new chiller and pumps, the existing plinths must be modified.

3.4.4 CHILLED WATER PIPING

Supply and install BLACK STEEL CHILLED WATER piping of 200mm NB in the chiller plantroom to connect the new chiller to the stubs already provided on the existing supply and return piping headers, and to the new chilled water pump, to provide a fully functioning system. Piping must be medium quality black steel piping conforming to EN 10255:2004. If medium black, the internal surface must be coated with a corrosion resistant lining.

Drawing 2 in the Appendix gives a conceptual indication of a proposed piping arrangement. The routing must follow the general approach of the existing piping. The final detail design and routing must be approved by the *Client's Agent* before commencement of work.

3.4.4.1. VALVES

Valves up to a diameter of 50mm shall be ball valves. All ball valves shall be SABS approved. Ball valves used on insulated chilled water lines will be long stem valves.

Butterfly valves of a diameter over 50mm shall have cast iron bodies with suitable rubber lining inside and flanged ends, or wafer type fitting between flanges. Lever operation is acceptable. Lever gearbox operation shall have position indication and locking mechanism.

Butterfly valves shall not be used for throttling or balancing purposes.

3.4.4.2. CHECK VALVES

Check valves for water shall have cast iron or cast steel bodies with flanged ends for valves with a diameter of 65 mm and over.

Working parts of check valves are to be spring loaded, completely guided or swing flap operation and fabricated of stainless steel or bronze with elastic seats.

Check valves shall be of the non-slam type with horizontal or vertical installation.

3.4.4.3. AIR VENTS

Air vents for water shall be automatic and shall have bodies of cast iron with screwed ends, floats, float mechanisms and all working parts of stainless steel.

Air vents for water shall be selected to the manufacturer's recommendation regarding working water temperatures and pressures.

Outlets from air vents for water shall be piped to the nearest drain points.

Air vents shall be installed on vent pipes of 15 mm dia. at all high points in the systems.

Manual vent pipes shall be provided with ball valves shall be installed at all high points in the system in positions readily accessible.

Air vents and vent pipes shall be taken up to 200 mm above the highest point in the system, and then bent downwards and connected to the nearest drain.

Automatic air vents shall be installed in every section of chilled and hot water piping systems (4 piping systems each).

The air vents shall be installed in enlarged tees at high points. The tees shall be installed instead of bends.

3.4.4.4. PIPING INSULATION

Insulate the new piping with pre-formed rigid polyisocyanurate (PIC) insulation with a density of at least 32 kg/m³ and with the minimum thickness of 50mm. Maximum thermal conductivity is 0,023 W/mK.

Use appropriate adhesive for all joints, and a vapour retarder mastic to ensure a vapour seal.

The insulation must be covered and reinforced with a glass fibre cloth impregnated with a polyester resin. This must be painted with at least two coats of a heavy duty washable, flexible, flame-retardant acrylic paint. Site standard identification colours must be used, labelled with multiple directional flow arrows according to the site standard.

3.4.4.5. INSULATION OF VALVES:

Insulate valves and fittings with a 25 mm thick non-asbestos plastic compound covered by a 15 mm thick layer of non-asbestos hard setting compound, trowelled to a neat, smooth and symmetrical finish or accommodated in a neat sheet metal cladding to suit the rest of the insulation.

3.4.5. CONDENSER WATER PIPING

Supply and install GALVANIZED STEEL CONDENSER water piping of 200mm NB in the plantroom to connect the new chiller to the new condenser water pump and to the existing overhead 250 NB main supply and return water pipes to the cooling towers. There are four connection points into the existing pipes, two on the supply line and two on the return line. Each of these requires a motorized isolation valve to be supplied and installed on the new pipe near the connection into the existing pipe.

Drawing 2 in the Appendix gives a conceptual indication of a proposed piping arrangement. The routing must follow the general approach of the existing piping. The final detail design and routing must be approved by the Client's Agent before commencement of work (see Hold Point 3. Below).

Piping and valves must be painted with heavy duty paint and labelled, including directional arrows, according to site specific standard.

The existing main condenser water lines from the A-level chiller plantroom to the cooling towers located on roofs H1 and H2 will remain in place, so the new piping work will be limited to the A-level chiller plantroom only.

3.4.6. COOLING TOWERS

The four existing cooling towers are to be dismantled and removed completely from the hospital site. Four new cooling towers are to be supplied and installed. These must be almost identical in physical size to the existing BAC units, in order to allow installation in the existing location on roofs H1 and H2 of the New Main Building, and to allow the existing piping and connections to be used with only minor modifications if necessary. Two units are installed on roof H1 and the other two on roof H2.

The new cooling towers must be delivered in disassembled form to allow lifting by crane onto the roof

and rigging onto the specific locations where final assembly will be done.

Duty specifications are below and according to item 3.4.14 SCHEDULE OF DETAILED SPECIFICATION DATA and DETAILS OF CONTRACTOR'S OFFER on page 84, which gives acceptable tolerances.

Quantity: 4
 Total Heat Rejection 2160 kW each (at 35°C/29°C water temp. 23°C wet bulb temp.)
 Water Flow Rate 86,1 l/s each

Details of the equipment offered must be entered into 3.4.14 SCHEDULE OF DETAILED SPECIFICATION DATA and DETAILS OF CONTRACTOR'S OFFER on page 84. Full specification/manufacturers detailed data sheets, specific to the model and options selected, must be issued with tender. Failure to do so will invalidate your tender.

3.4.7. WATER TREATMENT SYSTEM

The existing water treatment system must be dismantled and removed from site. A new system must be supplied and installed, connected to the condenser water circuits on both sets of cooling towers, and commissioned together with the cooling towers.

The system must incorporate the following, or superior:

- TDS sensor and automatic controller for bleed valve
- Water flow meter
- Corrosion inhibitor injection pump and dose controller
- Biocide dosing pump and timer
- Tanks for chemicals, with bund tray
- Enclosure: heavy duty to protect above components from weather
- Complete electrical power and control system

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Full specification/manufacturers detailed data sheets, specific to the model and options selected, must be issued with tender. Failure to do so will invalidate your tender

3.4.8. ELECTRICAL

3.4.8.1. PLANTROOM ON A-LEVEL

Supply and install power supplies and cabling to the new chiller and two new pumps complete with all wiring, contactors, breakers, overloads as required for a fully functional installation as per the design intent. The existing DB in the plantroom must be used to house the new power supplies. Contractor to verify that circuit breaker and cable sizes and ratings are correct, and that the supply to the existing DB is adequate.

3.4.8.2. ROOFS H1 AND H2 – COOLING TOWERS

Upgrade the two existing cooling tower power supply panels to suit new cooling towers which require larger fan motor VSD's than existing units (15 kW vs. 7,5 kW). Include VSD's, switchgear and cabling to the four new cooling towers. Use existing boards and also cabling where possible (to be approved).

Include power supplies and connection to new water treatment plants.

Include disconnection of all existing equipment.

3.4.8.3. POWER SUPPLY FROM PLANT ROOM TO COOLING TOWER PANELS:

Upgrade switchgear, breakers, etc. and cabling from A - level plantroom to the cooling tower control panels on the roofs H1 & H2.

Use existing board and also existing cabling where possible (to be approved).

3.4.9. CONTROL & MONITORING SYSTEMS

The existing Tracer Synchrony Plant Manager must be upgraded and modified to incorporate the new fifth chiller in addition to the existing four chillers. Pressure transducers for the two new pumps must be supplied and installed, and also any other components needed to integrate the new chiller and its pumps with the existing four chillers and the four new cooling towers, in order to provide a complete working system.

The logic of the control algorithms must be developed with and agreed by the *Client's Agent* before commissioning.

3.4.9.1. Condenser water from the fifth chiller:

The control algorithm must have a function that optimizes the routing of the condenser water from the fifth chiller to either of the cooling tower pairs situated on H1 or H2, depending on the operating status of each of the existing four chillers, and other relevant parameters. The four motorized isolation valves in the condenser water piping system are to ensure that the condenser water from the fifth chiller is routed either to the H1 pair of cooling towers, or to the H2 pair of cooling towers, and that the two water systems are kept isolated from each other. Each pair of cooling towers must never be subjected to excessive water flows beyond their safe design capability.

3.4.9.2. Secondary chilled water pump control:

The secondary chilled water system will remain as it is, with no modifications to the pumps or to the piping. The increased capacity of the primary chilled water system may allow for a slight increase in the capacity of the secondary system, but this will be limited by the capacity of the secondary pumps.

3.4.9.3. Overall maximum capacity and chiller availability

It is envisaged that the system is very unlikely to function with all five chillers in operation, as the existing chillers no. 1, 2 and 3 are in poor condition and possibly unreliable. It is expected that only three or four chillers will be available even when there is a high system demand, and for this reason a fifth cooling tower was not considered to be necessary. Control algorithm must be able to take into account, and adjust for, chillers that are unavailable at times.

3.4.9.4. Integration with BMS

There is an existing Johnson Controls Metasys BMS that uses a BACnet signal from the Chiller Plant Manager to provide monitoring data on the BMS display. The information from the additional chiller and pumps must be integrated into the BMS graphics and database to allow monitoring by the BMS operators. This function must be fully commissioned and integrated into the existing system.

3.4.10. COMMISSIONING

For the chiller, the two new pumps, cooling towers, water treatment and the integrated Plant Manager control system, testing and commissioning must be done by the supplier's service agent and approved before overall system commissioning. The product suppliers and *Client's Agent* must witness the commissioning and approve and sign off the result sheets.

The full system testing and commissioning must be done over the full range of flows, load and capacities of the equipment, and in the various operating modes and configurations, and run for sufficient time to reach full operating temperatures and pressures where possible. Detailed results of temperatures, pressures, motor current, load percentage, etc. of main equipment must be recorded. *Client's Agent* and Contractor must witness and sign off result sheets.

3.4.11 The installation of the chillers and cooling towers complete with all the necessary water piping connections, electrics, rigging, pumps, valves, fittings, gauges, sensors, commissioning, etc. and all other items not specially mentioned but required for a complete and working installation so as to fulfil the purpose of the Works (*Client's objectives*), must be completed at **sectional completion**.

3.4.12 The contractor shall draw up a **Program and Work Method** for the correct installation of the equipment. The Work Method shall be implemented.

HOLD POINTS: Contractor must submit documentation, and/or obtain approvals at certain points known as hold points and may not proceed with work until approval has been obtained from *Clients Agent*. Hold points will be as follows:

1. Design selection data sheet from product supplier for chiller, the two new pumps, cooling towers;
2. Diagram and statement, including control logic, describing integrated Chiller Plant Manager for entire system;
3. Workshop drawing for the chiller and pumps showing connections to existing piping, position of chiller and pumps, location of valves, and routing and sizing of pipes;
4. For electrical work, diagrams of power supplies and control circuits, showing details of cable sizes, switchgear ratings, etc.
5. Builder's work such as demolition, plinth, core drilling, roof modifications, walls and drains.
6. Work plan approved and signed off by facility management;
7. Health and Safety Plan;

8. Certificate of Compliance for each electrical panel and associated circuitry, and
9. Certificate of Conformance for mechanical system work.

3.4.13 The chiller is part of a chilled water system supplying the hospital, and any interruption of this system carries large risks, including loss of life. The programme, with any proposed downtime and interruptions must be planned, shown and approved by the *Client's* Agent before execution. There may be changes required from time to time as hospital operating requirements change.

3.4.14 SCHEDULE OF DETAILED SPECIFICATION DATA and DETAILS OF CONTRACTOR'S OFFER

For the items listed below, full manufacturers detailed data sheets, specific to the model and options selected, must be provided with tender, or tender will be disqualified. Information on manufacturers detailed data sheets will be considered and will take precedence over data incorrectly entered hereunder. The *Client* reserves the right to verify the information submitted directly with the manufacturer's agent.

A. CHILLER	SPECIFICATION DATA	CONTRACTOR'S OFFER
Make		
Model Number (give complete model designation number for options selected)	EPJ1P1 AdaptiR	
Cooling Capacity (kW) +80/-50 kW, at Chilled Water 11,5°C/6°C Cond Water 29°C/35°C	1836	
Minimum EER (kW/kW) at above conditions	5,5	
Part Load performance Minimum IPLV (kW/kW) at above conditions	10,9	
Qty and type of compressors	1 x Screw Variable speed	
Refrigerant type	R134a	
No. of independent refrigerant circuits	1	
Evaporator type	Shell and tube	
Condenser type	Shell and tube	
Dimensions L x W x H (m)	4,1 x 1,9 x 2,1	
Estimated period for delivery to site (weeks)		

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B. COOLING TOWERS

**SPECIFICATION
DATA**
(each of 4 units)

CONTRACTOR'S OFFER

Make	BAC	
Model Number (give complete model designation number for options selected)	S3E 8518-07M/H	
THR (kW), +50kW/-50kW, at 35°C/29°C water temp. 23°C wet bulb temp.	2160	
Water Flow Rate (l/s)	86,1	
Fan Motor Power (kW)	15	
Estimated period for delivery to site (weeks)		
C. CHILLED WATER PUMP		Pump curve must be submitted, clearly marked to show operating point, power and efficiency values.
Flow rate (l/s)*	80	
Pressure (kPa)*	160	
Make/Model/Size		
Material of Impeller/Casing	Bronze impeller	
Motor rating (kW/rpm)		
Estimated period for delivery to site (weeks)		
D. CONDENSER WATER PUMP		Pump curve must be submitted, clearly marked to show operating point, power and efficiency values.
Flow rate (l/s)*	86	
Pressure (kPa)*	250	
Make/Model/Size		
Material of Impeller/Casing	Bronze impeller	
Motor rating (kW/rpm)		
Estimated period for delivery to site (weeks)		

* Pump duty figures are for tender only; actual duties and selections to be determined by contractor and approved by Client's Agent before delivery to site.

WESTERN CAPE GOVERNMENT

DEPARTMENT OF HEALTH AND WELLNESS

Groote Schuur Hospital - Chiller & Cooling Towers Replacement

Part C3: Scope of Work

4. Constraints on Providing the Works

The works are to be executed subject to the following constraints:

4.1 Working Areas including sharing thereof by other contractors, staff, and members of the public

Client's direct contractors

The *Client* may instruct work to be executed and installed in the works by one or more direct contractors, with the understanding that:

- The *Contractor* permits all such work by direct contractors;
- The type and extent of such work is described in the tender document, and the *Contractor* makes reasonable provision in his work program for such work;
- The payment of direct contractors is the responsibility of the *Client*;
- A direct contractor is subject to reasonable controls as required by the *Contractor* and all direct contractors, the work or installations undertaken, insurances related thereto and the associated risks including expense or loss caused by direct contractors, are the direct responsibility of the *Client*; and
- Normal working hours are from Monday till Fridays from 07h00 – 16h00.

4.2 Site Conditions

It will be required of the contractor to work on a fully functional facility. Extra care must be taken not to cause injury or harm to staff or visitors or to cause delays on the facility site.

Work areas must be made secure so that visitors cannot enter the construction site.

If electric tools are being used, it must be tested by the Workshop which will issue a document that the tools are safe to use inside the hospital. For all grinding, welding or flame work a hot work permit must be issued for that specific day.

4.3 Occupational Hygiene & Safety

Exposure of workers to occupational health hazards and risks is very common in any work environment, especially in construction. Occupational exposure is a major problem and leads to medical conditions like cancers, skin disorders, and noise induced hearing loss, etc. All Contractors must ensure that adequate health and hygiene measures are put in place to prevent exposure to these hazards. Prevent inhalation, ingestion, absorption, and noise induction

4.4 Plant and Scaffolding

The tenderer must provide all plant, scaffolding, crange, ladders, cables, etc., and must make do allowance in his tender therefore. The Tenderer shall allow in the Quotation for all labour, material, construction plant, temporary works and everything else necessary for the execution and completion of the Works in accordance with the Quotation documents. Only new material of high quality that conform to SABS standards will be used.

4.5 Negligence

Where any known facility/ service is damaged due to the Contractor's negligence, the Contractor will make good such damage or bear the cost of the repairs.

4.6 Material and Work Quality and Tolerances

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All work shall be finished to a degree of accuracy and neatness as per specification or drawing. No poor-quality work or inferior materials will be accepted. Only new materials of high quality shall be used throughout and shall be subject to the approval of the *Client's* Agent.

Unless specified in the Pricing Schedule, all materials shall conform in respect of quality, manufacture, tests and performance, with the requirements of the SABS standards or, where no such standards exist, they shall conform to the appropriate current specification of the British Standard Institution. Materials manufactured in South Africa shall be used wherever possible. Imported materials shall comply with the requirements of the relevant SABS or British Standard Specifications, although these materials need not necessarily bear the SABS mark. Where no applicable SABS specification exists, all material must comply with the equivalent DIN, IEC, IP or BSS specifications or be of the quality as specified. All materials shall be suitable for the particular site conditions. These conditions shall include weather conditions as well as prevailing conditions during installation and subsequent permanent use. Should the materials or components not be suitable for use under temporary site conditions where applicable the Contractor shall provide at his own cost, suitable protection until these unfavourable site conditions cease to exist.

Uniformity - All items of the same make and type shall where at all possible be used throughout the installation, to ensure interchange ability and ease of maintenance. Deviation from the above will only be allowed after receiving approval in writing from the Chief Engineer, Directorate: Engineering and Technical Services.

The contractor shall obtain written approval from the *Client's* Agent before major orders (>R5000) are placed.

4.7 Materials & Tools

The contractor shall satisfy himself of the continuous availability of materials required. No extension of time or additional compensation will be granted if material cannot be obtained locally or has to be sourced elsewhere. All tools and equipment must be provided by the Contractor to complete the maintenance or repair work, these to include chainsaws, hand saws and electrical tools like drills, angle grinder, saw etc.

All hand tools for maintaining the building and civil infrastructure.

Protective coating, brushes, solvents, etc.
Ladders, scaffolding, harnesses and safety ropes.
Safety equipment
Cleaning tools and materials
Respirator
Safety goggles
Working gloves

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4.8 Hours of Work

The Contractor shall undertake to carry out the works during normal working hours. PRIOR arrangements for working outside normal working hours MUST BE MADE by the Contractor which must be approved in writing by, the User Department or CEO of the Institution. Such work done outside normal working hours shall be at the Contractor's own risk and costs. Normal working hours is from Monday till Fridays from 7h30 – 16h00.

4.9 Site Security

All Contractor's staff to report to the Workshop or designated facility representative before undertaking any servicing, repair or maintenance work. All staff must wear the company uniform or dress displaying the company Logo and must have Identification tags to display the company name, personnel name and photo.

4.10 Rubbish & Waste

All rubbish and waste arising from the work shall be removed by the Contractor on a daily basis before he/she leave the site to leave the site(s) and building(s) clean and tidy.

4.11 Tender Documentation

Should there be any discrepancies between the Specification in the Tender Documentation and the drawings or list of applicable documents in section 2 of this document, it should be clarified with the *Client's Agent* in writing. The latest revisions of any Specification or Code issued by the SABS/ISO or other Standards referred to in this Specification, will be applicable. This specification has preference over any additional documentation submitted by the Tenderer. Deviations from this specification will only be considered if indicated as such in this document. If the Tenderer wishes to clarify certain aspects of his offer, he may do so in an additional document that will be subject to the aforementioned preference.

4.12 Registrations, Regulations & Standards

Tenderers must be registered with the Building Industry Bargaining Council (BIBC) and provide the Certificate of Compliance issued by the BIBC in terms of Clause 6A of the Collective Agreement as published in Government Gazette No 22772 dated 1 November 2001. All work carried out by the Contractor shall comply with the South African Building Specifications as indicated in this contract.

4.13 Terms of Payment and Structure of Contractor's Invoice

All payment claims must be submitted by means of an invoice to the *Client's Agent* for review and processing on a month-to-month basis for completed work activities at site. The invoice shall clearly indicate the tender number which is the order number, facility and project name. On addition the invoice will have an invoice number, date, contractor's company name, address and bank details.

The *Contractor* shall be requested at site access to complete a Logis and Bas Registration form of which needs to be certified by the *Contractor's Bank* that his/her bank details are correct. This will enable Health Department to do electronic payments. (If the Contractor is not yet registered at Health) If you are not on the Western Cape Supplier Database (WCSD), please contact the Database Helpdesk on 0861 – 225 577 or 021 – 680 4666 or e-mail: supplierdatabase@quadrem.com

4.14 Compensation Events

Compensation Events shall only be considered in isolated cases. All compensation events shall be approved in writing by the *Client's Agent* for the *Contractor* to action.

4.15 Construction Site & Plant & Equipment

For safety purposes the construction site shall be cordoned off to secure the construction site when the Contractor starts with his/her work. The plant and equipment used on site shall not interfere with the activities of the facility or hospital or obstructing the entrances or road inside the buildings or on the premises. Flushable or chemical toilets shall be provided by the contractor to his/her workers during the contract period.

4.16 Claims for Delays & Inclement Weather

Rain and inclement weather claims will only be approved by the *Client's Agent* if external works were to be carried out on the days claimed. No claims for inclement weather will be entertained if internal work activities (if any) could have been carried out during the specified period.

4.17 Notices

The Contractor shall install all notices required in terms of Statutory Regulations and shall amongst others, include the following:

- Prohibiting unauthorised persons from entering.
- Prohibiting unauthorised persons from handling or interfering with electrical apparatus.
- Directions and procedures to be followed in case of fire.
- Instructions for resuscitation of persons suffering from the effects of electrical shock.

4.18 Storage of material

The Contractor shall provide the necessary storage facilities to ensure that all material and equipment is safely stored and protected against any possible loss or damage. If storage is provided on-site, it will be used at own risk and no claims due to theft or damage of stored equipment will be entertained. The area shall be left neat and tidy at the conclusion of the contract.

4.19 Sub-Contractors

Unless specialist works are required as part of this contract, a *Contractor* shall not be permitted to subcontract more than 25% of this contract to another contractor, as per p.24: Clause 7-8. Any other circumstances require the *Contractor* to timeously notify the *Client*, who will review the *Contractor's* application and provide feedback to the *Contractor* in writing. In all cases, the *Contractor* will be liable for all works, actions, etc. executed by the sub-contractor.

4.20 Viewing of Site

Tenderers should note and take account of the nature of the site as no claims for additional expenses due to the nature of the site will be considered during the contract stage.

The tenderer must view the site, structures, etc. and acquaint him/herself thoroughly with the conditions under which the works are to be executed. Any conditions or defects which may adversely affect the execution and/or performance of the works is to be reported to the Engineer, in writing, before any work is put in hand, as no claim of whatever kind arising, out of his failure to do so, will be entertained.

Should any additional inspections of the site be required over and above the compulsory site meeting, the Tenderer shall be responsible for making arrangements with the Officer in charge of the site's electrical systems regarding the availability of the installation to the Tenderer for inspection for the purpose of preparing his tender.

4.21 Availability of the System

The on-going operational requirements of the Hospital should be taken into account at all times during the contract.

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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****Part C3: Scope of Work****5. Requirements for the programme**

- 5.1 The *Contractor* submits a first programme to the *Client* for acceptance within **two weeks** from letter of appointment.
- 5.2 The *Contractor* shows on each programme which he submits for acceptance
- the starting date, access date/s and the Completion Date,
 - planned Completion,
 - the order and timing of the operations which the *Contractor* plans to do in order to Provide the Works,
 - the order and timing of the work of the *Client* and others as last agreed with them by the *Contractor* or, if not so agreed, as stated in this Scope,
 - the dates when the *Contractor* plans to complete work needed to allow the *Client* and others to do their work,
 - provisions for
 - float,
 - time risk allowances,
 - health and safety requirements and
 - the procedures as set out in this contract,
 - the dates when, in order to Provide the Works in accordance with this programme, the *Contractor* will need
 - access to a part of the site if later than its access date,
 - acceptances,
 - Major Equipment: Chiller, cooling towers
 - Plant and Materials and other things to be provided by the *Client* and,
 - information from others,
 - for each operation, a statement of how the *Contractor* plans to do the work identifying the principal Equipment and other resources which he plans to use and
 - other information which this Scope requires the *Contractor* to show on a programme submitted for acceptance.
- 5.3 Within two weeks of the *Contractor* submitting a programme to him for acceptance, the *Client* either accepts the programme or notifies the *Contractor* of his reasons for not accepting it. A reason for not accepting a programme is that
- the *Contractor's* plans which it shows are not practicable,
 - it does not show the information which this contract requires,
 - it does not represent the *Contractor's* plans realistically or
 - It does not comply with the Scope.
- 5.4 When revising the programme, the *Contractor* shows on each revised programme
- the actual progress achieved on each operation and its effect upon the timing of the remaining work,
 - the effects of implemented compensation events,
 - how the *Contractor* plans to deal with any delays and to correct notified Defects and
 - any other changes which the *Contractor* proposes to make to the currently accepted programme.
- 5.5 The *Contractor* submits a revised programme to the *Client* for acceptance
- within the period for reply after the *Client* has instructed him to,
 - when the *Contractor* chooses to and, in any case,
 - at no longer than an interval of every four weeks from the *starting date* until Completion of the whole of the works.
- 5.6 Acceptance of any programme where anticipated Completion is shown to be later than the Completion Date, does not alter the Completion Date nor negate the *Contractor's* liability for *delay damages*.

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- 5.7 All compensation event claims for events arising after the Completion Date which would not have had any effect if the contract had been completed by the Completion Date, remain the *Contractor's* risk.
- 5.8 All float in the programme shall be available for the *Client's* benefit to absorb delays to the Completion Date when assessing compensation events, except for termination float (if any) in the programme. Termination float is the final portion of float in a programme where anticipated Completion is programmed to be earlier than the Completion Date.

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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****Part C3: Scope of Work****6. Services and other things provided by the Client**

Electricity and water is available on site.

Electricity and water access points may not always be in close proximity to the works. It is the responsibility of the contractor to supply his own extension cables/tools/piping to perform the necessary work and to ensure that all the necessary safety precautions are adhered to and that the use of these services is managed strictly to avoid wastage.

Alternatively the Contractor will be required to procure clean water, where necessary, and a suitable portable power generator for the duration of the project.

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DEPARTMENT OF HEALTH AND WELLNESS

Groote Schuur Hospital - Chiller & Cooling Towers Replacement

Part C3: Scope of Work

SCHEDULE C05: Contract information required from Contractor

The *Client* requires the following information pertaining to the work for this contract to be furnished at the time of tender. The tenderer must provide ALL the information as stipulated in this schedule.

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Number of additional pages appended by the tenderer to this Schedule:(If nil, enter NIL).

WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****Part C3: Scope of Work****SCHEDULE C06: Amendments by Contractor**

The tenderer should record any amendments (i.e deviations, qualifications, alterations or modifications) he may wish to make to the tender documents in this Schedule. Alternatively, a tenderer may state such amendments in a covering letter and append such letter to this Schedule.

The tenderer's attention is drawn to clause C.3.8 of the Standard Conditions of Tender referenced in the Tender Data regarding the *Client's* handling of material deviations and qualifications. If no amendments are allowed for this tender, clause C.3.8 will state so and same would also be indicated in the table below. If amendments are allowed but none desired by the tenderer, this Schedule is to be marked NIL in the table below.

IMPORTANT: No alternative tender will be considered unless a tender free of qualifications and strictly on the basis of the Tender Documents is also submitted.

PAGE / ITEM	CLAUSE / DESCRIPTION
	NO ALTERATIONS/AMENDMENTS BY CONTRACTOR ALLOWED FOR THIS CONTRACT.

(If not enough space, attach additional pages. If no amendments are desired, mark NIL.)

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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****Part C3: Scope of Work****SCHEDULE C07: Contractor's Equipment schedule**

The tenderer must furnish the details of the Equipment required for the execution of this contract. The tenderer must differentiate, where applicable, between Equipment immediately available, Equipment which will become available by virtue of outstanding orders, and Equipment to be acquired or hired for the works should the tenderer be awarded the contract.

EQUIPMENT DESCRIPTION (Type, size, capacity, etc)	AVAILABLE (A) ON ORDER (O) HIRED (H)	NUMBER OF

(Append separate page if not enough space, or enter NIL if nil)

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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****Part C3: Scope of Work****SCHEDULE C08: Contractor's schedule of subcontractors**

The tenderer hereby notifies the *Client* of his intention to use the following subcontractors for work in this contract. Acceptance of this tender does not constitute approval of all or any of the listed subcontractors by the *Client*. Should any of the subcontractors not be approved subsequent to acceptance of this tender, this in no way invalidates this tender, and the tendered unit rates for the various items of work remain final and binding, even in the event of a subcontractor not listed below being approved by the *Client*.

WORK TYPE OR CATEGORY	SUBCONTRACTOR (Name, address, contact person, phone, fax, organisation details, experience)	WORK ITEMS (As per bill of quantities)	ESTIMATED COST
TOTAL SUBCONTRACTED AMOUNT (Excluding VAT)			R

(Append separate page if not enough space, or enter NIL if nil)

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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****Part C3: Scope of Work****SCHEDULE C09: Contractor's proposed work programme**

The tenderer must append a proposed work breakdown and programme, reflecting the proposed sequence and rate of execution of the various activities comprising the work for the contract, to the deliverable documents.

This programme must be in the form of a sufficiently detailed bar chart (Gantt chart) or similar acceptable time/activity form as per the Scope reflecting the proposed sequence and rate/duration of the various activities and the quantities of work that will be carried out every week under each of the items comprising the work scope for this contract. Working hours for the execution of this contract must be indicated, and the programme must clearly indicate project milestones where applicable and the critical path of the activities through the work schedule.

The tenderer must take into account all requirements as per the project specifications referenced in the Contract Data of this document when drawing up the programme.

Requirements for the programme:

The *Contractor* needs to provide the *Client* with a programme containing at least the following:

- a) Date of ordering the chiller and cooling towers;
- b) Date of chiller leaving factory in country of origin;
- c) Commencement date of site works and preparation;
- d) Starting and completion dates for building work;
- e) Delivery date of chillers and cooling towers to site;
- f) Starting and completion dates for electrical work;
- g) Starting and completion dates for pipework;
- h) Completion date for chiller and each cooling tower;
- i) Commissioning starting and completion dates;
- j) Contractors planned sectional and final completion dates; Breakdown of the work to be done and time allocated to each task, including workshop drawings; and
- k) Key dates for the *Client* to provide access and services, and other unforeseen items brought to the attention of the *Client's* Agent.

Details of the Contractor's proposed work programme must be appended to this Schedule.

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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****Part C3: Scope of Work****SCHEDULE C10: Contractor's health & safety plan**

Tenderers are to note the requirements of the Occupational Health and Safety (OHS) Act No. 85 of 1993 and the Construction Regulations 2014 (as amended) issued in terms of Section 43 of the Act. The tenderer shall be deemed to have read and fully understood the requirements of the above Act and Regulations and to have allowed for all costs in compliance therewith.

In this regard the *Contractor* shall submit a detailed Health and Safety Plan in respect of the Works in order to demonstrate the necessary competencies and resources to perform the Works all in accordance with the Act and Regulations. The Health and Safety Plan shall cover inter-alia the following details:

- The safety management structure including the names of all designated persons such as the construction supervisor and any other competent persons;
- Safety method statements and procedures to be adopted to ensure compliance with the OHS Act.

Aspects to be dealt with shall be in accordance with the *Client's* Health and Safety specification as issued, which may include inter alia the following:

- Public vehicular and pedestrian traffic accommodation measures;
- Control of the movement of construction vehicles;
- The storage and use of materials;
- The use of tools, vehicles and plant;
- Temporary support structures;
- Dealing with working at height;
- The use of batch plants;
- Excavation work;
- Demolition work;
- Security, access control and the exclusion of unauthorised persons.
- The provision and use of temporary services;
- Compliance with way leaves, permissions and permits;
- Safety equipment, devices and clothing to be employed;
- Emergency procedures;
- Provision of welfare facilities;
- Induction and training;
- Provision and maintenance of the health and safety file and other documentation;
- Arrangements for monitoring and control to ensure compliance with the safety plan.

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Tenderers are to note that the *Contractor* is required to ensure that all sub-contractors or others engaged in the performance of the contract also comply with the above requirements.

The *Contractor* will only be given access to start work after approval of his detailed Health and Safety Plan, which must be submitted to the *Client* after award of this contract.

Occupational Health and Safety -37.2 Mandatary Agreement, as provided in the Annexure A, must be signed and submitted after appointment.

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WESTERN CAPE GOVERNMENT

DEPARTMENT OF HEALTH AND WELLNESS

Groote Schuur Hospital - Chiller & Cooling Towers Replacement

Part C3: Scope of Work

SCHEDULE C11: Contractor's environmental management plan

Not Applicable to this contract

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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****Part C4: Site Information**

Site Information

Page 100

Description of the Site**The address of the site where the work will be carried out is:**

Groote Schuur Hospital (New Main Building)

Main Road

Observatory, Cape Town

Contact person in the area:

Mr. Denton Smith

Designation: Deputy Director: Engineering

Tel: 021 404 3163/620; 072 869 7238

Email: Denton.Smith@westerncape.gov.za

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WESTERN CAPE GOVERNMENT**DEPARTMENT OF HEALTH AND WELLNESS****Groote Schuur Hospital - Chiller & Cooling Towers Replacement****Appendix: Drawings, schematics & annexures**

The Appendix to this contract is a separate document, independent of the main contract document (this document) and does not follow, or integrate with, the page numbering sequence of the main contract document. The Appendix may contain the **Price List** as well as drawings, schematics and annexures ("items") which are referenced in this document, and which are indicated as included in the Appendix.

PLEASE NOTE:

ALL items which are referenced in the main contract document form part of the complete contract documentation for this contract, irrespective of whether they are physically included in the Appendix or not. It is the responsibility of the tenderer to ensure he acquires and considers all the items referenced in this document in the preparation of his tender, which is the assumption when tenders are evaluated.

The Appendix consists of a total of **5** pages of various sizes and orientation, as a separate document.

All drawings are in electronic .pdf format

- | | |
|------------|--|
| Drawing 1 | Google Earth view of Hospital showing the location of the cooling towers |
| Drawing 2 | Proposed additional 5th Chiller connections |
| Drawing 3 | As-built schematic of existing system |
| Drawing 4 | Isometric view of existing plantroom layout. |
| Annexure A | Occupational Health and Safety -37.2 Mandatary Agreement |

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