



health

Department:
Health
North West Province
REPUBLIC OF SOUTH AFRICA

**PROVISIONAL
BILLS OF QUANTITIES
FOR**

**THE COMPLETION OF SEKHING COMMUNITY
HEALTH CENTRE**

TENDER NUMBER.: NWDOH/PS/019/11

**ISSUED BY: THE HEAD OF DEPARTMENT
DEPARTMENT OF HEALTH
CNR. SEKAME & FIRST STREET
NEW OFFICE PARK
MAHIKENG
2745
TEL: 018 391 4550**

BIDDERS NAME:	
CIDB REGISTRATION NUMBER:	
CSD REGISTRATION NUMBER:	
CONTACT NUMBER:	
TENDER AMOUNT	
TENDER AMOUNT IN WORDS	

MINIMUM CIDB GRADING 7GB OR HIGHER



health

Department:
Health
North West Provincial Government
REPUBLIC OF SOUTH AFRICA



Health Office Park
Private Bag X 2068
MMABATHO
2735

SUPPLY CHAIN MANAGEMENT

Tel: +27 (18) 391 4236
Email: RPulenyane@nwpg.gov.za
www.health.gov.za

INVITATION TO BID: NWDOH/PS/019/11: COMPLETION OF THE SEKHING COMMUNITY HEALTH CENTRE, DR RUTH SEGOMOTSI MOMPATI DISTRICT. NORTH WEST PROVINCE. CIDB GRADING 7GB OR HIGHER

Open bids are hereby invited for Completion of the Sekhing Community Health Centre, Dr Ruth Segomotsi Mompoti District. North West Province. CIDB GRADING 7GB or higher

The conditions contained in the Preferential Procurement Policy Framework Act and 2022 PPPFA Regulations, National Treasury Implementation Guide: Preferential Procurement Regulations 2022, the General Conditions of Contract (GCC) and/ NEC 3 Engineering & Construction Contract, i.e. Annexure "A" and the attached bid forms, as well as any other conditions accompanying this invitation, are applicable.

1. The work procedure the bidder proposes to follow in order to obtain the required result must be clearly outlined and its terms may not conflict with those contained in the General Conditions of Contract.
2. All the documents accompanying this invitation to bid must be completed in detail where applicable, and together with all documentation required in considering the bid, be sealed in an envelope and be deposited in the bid box before the closing date and time.
3. The proposals in a sealed envelope and marked with the Bid Number , Company Name, Closing Date and Closing Time should be deposited in the Bid Box situated at the entrance of the **Department of Health North West, New Office Park Building, Ground floor, Corner First Street and Sekame, Mmabatho [Behind the Crossing Mall]. No correspondence will be entered into regarding non-submission/attachment of required documents after bid closure. Failure to submit all the required documents will render your bid non-responsive**
4. Duly completed and signed original bid documents issued by the Department should be sealed in an envelope marked:

Bid number : NWDOH/PS/019/11

Company Name :

Closing date : 02 NOVEMBER 2023

Closing time : 11H00

Technical enquiries : Mr Roelof de Jager 060 980 1547

No telegraphic or facsimile bids will be considered.

5. In terms of the PFMA Treasury Regulations 2005:-

A. Regulation 16A9. 1 [e] and [f] the Accounting Officer of the Department may-

- i. Reject a proposal for the award of a contract if the recommended bidder has committed a corrupt or fraudulent act in competing for the particular contract, or
- ii. Cancel a contract awarded to a supplier of goods or services
 - If the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract, or
 - If any official or other role-player committed any corrupt or fraudulent act during the bidding process or the execution of that contract that benefitted that supplier.

B. Regulation 16A9.2 [a] and [b] the accounting officer or accounting authority-

- i. May disregard the bid of any bidder if that bidder, or any of its directors-
 - Have abused the institution's supply chain management system
 - Have committed fraud or any other improper conduct in relation to such system.

C. Bidders may NOT buy gifts for or ask for cell phone numbers from Bid Committee Members or contract managers during briefing sessions, evaluation and adjudication of bids. In terms of the NATIONAL TREASURY MINUTE3/3/3/2/10 DATED 23 APRIL 2006-CODE OF CONDUCT FOR BID ADJUDICATION COMMITTEES governing the Conduct of all Bid Committees, Stakeholders and SCM Practitioners involved in the SCM processes:-

- i. Bid information and documentation are confidential
- ii. No unauthorized communication should be made with a bidder/contractor by any member, stakeholder or SCM Practitioner prior to or after any meeting during the evaluation and adjudication of bids

D. IN TERMS OF THE NATIONAL TREASURY SCM PRACTICE NOTE NUMBER: SCM 4 OF 2003; CODE OF CONDUCT FOR SUPPLY CHAIN MANAGEMENT PRACTITIONERS -

"6.5. No person should:-

"6.5.1 Interfere with the supply chain management system of an Institution

"6.5.2 Amend or tamper with any bid after its submission

6. Bidders should ensure that all the relevant documentation required in considering bids are submitted. **Failure to submit all the required documents may render your bid non-responsive**
7. The Department will not be held responsible for missing or duplicated documents. **Bidders are required to sign, number sequentially and initial on each page of the bidding documents. Bid documents must be binded.**
8. It is the ultimate responsibility of every bidder to ensure that his/her bid is duly deposited in the Bid Box situated at the entrance of the Department of Health North West, New Office Park Building, Ground floor, Corner First Street and Sekame, Mmabatho on time before the closing date and time. **The Department of Health shall not be held responsible for any couriered bid documents that do not reach the Bid Box by the Closing date and time. – Couriered documents must be deposited in the bid box by Couriers before the closing date and time. No correspondence will be entered into regarding late bids and couriered documents that were not deposited in the bid box by the bid closing date and time.**
9. The Department of Health reserves the right to award any bid in whole or in part and the Department **does not bind itself to accept the lowest or any bid in whole and price alone is not a determining factor.**
10. National Treasury has per Circular no 3 OF 2015/2016 given instructions to all PFMA Institutions that with effect from 01 April 2016, no quotation or bid may be awarded to any supplier who is not registered as a Prospective Supplier on the National Treasury Central Service Provider Database [CSD]]. If you are not registered proceed to complete the registration of your company prior to submitting your bid. Refer to <https://secure.csd.gov.za/> to register your company. Ensure that all documentation on the database are updated and valid. Bidders should further note that the Central Supplier Database (CSD) will be utilized to confirm compliance to tax and other related matters. It is therefore the bidder's responsibility to ensure compliance in all respects.
11. For more information please contact the following:

ADMINISTRATION ENQUIRES:

- Ms R. Pulenyane 018 391 4236/ RPulenyane@nwpg.gov.za

TECHNICAL ENQUIRIES:

- : Mr Roelof de Jager 060 980 1547 / RdeJager@nwpg.gov.za

Potential bidder(s) must reduce all telephonic enquiries to writing and send them to the above email addresses.

12. CONDITIONS TO BID

This bid is issued under the condition that the bidder should at any stage during production or execution or on completion of the bid be subject to inspection. The premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by the representative of the Department of Health or organization acting on behalf of the State. The bidder shall provide, if required, all required facilities for inspections, tests and analysis of the land available, apparatus which may be required for the purpose of such inspection, tests and analysis free of charge unless otherwise specified. The bidder also agrees that the financial standing of the bidder may be examined as part of the inspection

13. RISK ANALYSIS

A risk analysis as per applicable legislation and prescripts shall be used to establish the competency and ability of the successful bidder for the project

14. BID CONDITIONS

- Late bids will not be considered. Please note that bids are late if they are received at the address given in the bid document after the bid closing date and time.
- Bids will be valid for a period of 90 days.
- All bid prices must be quoted in South African currency and must be VAT inclusive.
- All the Relevant Forms attached to this bid document must be completed and signed in black ink where applicable by a duly authorized official. Use of tippex and pencil in the bid document are not allowed. Where cancellation has been made, bidders should endorse with a signatures

15. BID ADMINISTRATION DOCUMENTS TO BE SUBMITTED BY ALL BIDDERS:

National Treasury has per **PFMA SCM INSTRUCTION NO.9 OF 2022/2023 MANDOTRY UTILISATION OF THE E-TENDER PORTAL FOR PUBLICATION OF BID OPPORTUNITIES, BID AWARDS AND ANY BID RELATED NOTIFICATIONS DATED 13 OCT 2022** prescribed the mandatory advertisement of bids on the e-tender Publication Portal by all departments. Constitutional institutions and public entities listed In Schedules 2 and 3 to the Public Finance Management Act (PFMA). 1999 (Act No.1 of 1999), hereafter referred to as PFMA compliant institutions. This application is aimed at ensuring that all potential service

providers have easy access to advertised bids and are provided with an opportunity to supply PFMA compliant institutions with goods and services, as they may require. With effect from 1 Nov 2022, all PFMA compliant institutions must submit the following information to the relevant treasury's e-Tender Publication Administrator in support its advertisement:

- a) Bid description;
- b) Bid number;
- c) Name of the PFMA compliant institution;
- d) The place where the bid is required;
- e) The closing date and time of the bid;
- f) The PFMA compliant institution's contact details (postal and physical address, Telephone number, etc.);
- g) The place where bids can be collected;
- h) The place where bids should be delivered; and
- i) The bid document, that is,
 - Invitation to Bid-which explains the bid administration requirements and the evaluation criteria, to be complied with by all bidders.
 - SBD Forms Prescribed by National Treasury- to be completed by all Bidders without exception
 - Technical Bid Specifications/Terms of Reference or Bill of Quantities requirements - depending on the technical nature of the bid.

16. BID ADMINISTRATIVE REQUIREMENTS/CRITERIA TO BE USED IN EVALUATING A BID

The National Treasury **Supply Chain Management Circular Ref 3/4/3/2/10 dated 10 May 2005**: Page 2 Paragraph 1 stipulates that "Bids may only be evaluated in accordance with the evaluation Criteria stipulated in the bid documentation"

All the under-mentioned documentation /criteria required to evaluate this bid must be sealed in an envelope and be deposited in the bid box before the closing date and time.

ALL BIDDERS ARE REQUIRED TO ENSURE THAT THE FOLLOWING DOCUMENTS ARE ATTACHED:-

- (a) Original, fully completed and signed applicable SBD Bid Documents and Preference Claim Forms in terms of the Preferential Procurements Regulations and National Treasury SCM prescripts. **NB. All Bidders are required to fully complete the SBD forms (SBD form 1, 4, 6.1,) as required by the National Treasury PFMA prescripts and the PPPFA Regulations AND to fully complete all other forms as required by the specification, without fail.**
- (b) Copies of Identity Documents of the Directors / Main Shareholders of the company.
- (c) Valid Tax Clearance Certificate/ Tax Compliance Status PIN or CSD Report- The Department will also verify the tax compliance status of bidder

- (d) **Only Bidders who collect bid documentation from the Health Department must attach a General Revenue Receipt of Five Hundred Rand (R500-00). Original or Copy of stamped Bank Deposit slip or Electronic Transfer printout or Departmental Revenue Receipt reflecting the name of the Bidder and Bid Number –Bidders are encouraged to download the bid documentation from the E-Tender**

Bank Name	: FNB
Account Name	: NW Health
Account holder	: NWPG
Branch code	: 250655
Account number	: 62811730747

- (e) Copy of Company Registration Certificate from the Registrar of Companies of all Parties indicating the names of directors or main shareholders of the company. **NB The old Company Registration certificates issued in terms of the repealed 1973 Companies Act which do not show the company Directors 'names are not acceptable. All bidders are required to submit the updated Company Registration Certificates issued by the Registrar of Companies in terms of the 2008 Companies Act, that is, a complete certificates which indicate the names of all Directors or main shareholders of the Company.**
- (f) Bidders are required to submit a valid B-BBEE Status level Verification Certificate or certified copies thereof, together with their bids, to substantiate their B-BBEE rating claims.
An EME is required to submit a sworn affidavit confirming their annual total revenue of R10 MILLION or less
- (g) Bidders who do not submit B-BBEE Status level Verification Certificates , a sworn affidavit or are non-compliant contributors to B-BBEE do not qualify for preference points for B-BBEE but shall not be disqualified from the bidding process , but will score points out of price only and zero [0] points out of B-BBEE.
- (h) **In the case of joint venture (JV) or Consortium the following documents must be attached to the Bid documents:-**
- Valid Tax Clearance Certificate pin of all Partners- / Tax Compliance Status PIN or CSD report- The Department will also verify the tax compliance status of bidder
 - Copies of Identity Documents of all Directors / Main Shareholders of the company.-
 - Joint venture agreement duly signed by all parties
 - A certificate or agreement regarding shareholder -ship of members

- Copies of Company Registration Certificates from the Registrar of Companies of all Parties to a Joint Venture indicating the names of directors or main shareholders of the companies to the joint venture.-**NB The old Company Registration certificates issued in terms of the repealed 1973 Companies Act which do not show the company Directors 'names are not acceptable. All bidders are required to submit the updated Company Registration Certificates issued by the Registrar of Companies in terms of the 2008 Companies Act, that is, a complete certificates which indicate the names of all Directors or main shareholders of the Company**
 - Valid Certificate or Original Certified copy of the Consolidated B-BBEE Status level verification Certificate.-An EME is required to submit a sworn affidavit confirming their annual total revenue of R10 MILLION or less -Bidders who do not submit B-BBEE Status level Verification Certificates , a sworn affidavit or are non-compliant contributors to B-BBEE do not qualify for preference points for B-BBEE but shall not be disqualified from the bidding process , but will score points out of price only and zero [0] points out of B-BBEE
- (i) A Trust, consortium or a joint venture are required to submit a Consolidated-BBEE Status Level Verification Certificate for every separate bid
 - (j) Public entities and tertiary institutions are required to submit B-BBEE Status level verification certificates together with their bids

All the bid documents should be completed, signed and sealed in an envelope and deposited in the Bid Box, situated at the entrance of the **Department of Health North West, New Office Park Building, Ground Floor, Corner First Street and Sekame, Mmabatho.**

16. VALIDITY OF B-BBEE STATUS LEVEL VERIFICATION CERTIFICATES

- AO/AAs must ensure that the B-BBEE Status Level Verification Certificates submitted are issued by the following agencies:
 - Tenderers other than EMEs
 - I. Verification agencies accredited by SANAS; or
 - Tenderers who qualify as EMEs
 - II. Sworn affidavit signed by the EME representative and attested by a Commissioner of oaths.

16.1 Verification agencies accredited by SANAS

- 16.1.1 These certificates are identifiable by a SANAS logo and a unique BVA number.
- 16.1.2 Confirmation of the validity of a B-BBEE Status Level Verification Certification can be done by tracing the name of the issuing

Verification Agency to the list of all SANAS accredited agencies. The list is accessible on <http://www.sanas.co.za/directory/bbee default.php>

16.1.3. The relevant BVA may be contacted to confirm whether such a certificate is valid.

16.1.4 As a minimum requirement, all valid B-BBEE Status Level Verification Certificates should have the following information detailed on the face of the certificate:

- The name and physical location of the measured entity
- The registration number and, where applicable, the VAT number of the measured entity;
- The date of issue and date expiry;
- The certification number for identification and reference;
- The scorecard that was used (for example QSE, Specialized or Generic);
- The name and / or logo of the Verification Agency;
- The SANAS logo
- The certificate must be signed by the authorized person from the Verification Agency; and
- The B-BBEE Status Level of Contribution obtained by the measured entity

17. VERIFICATION OF B-BBEE LEVELS IN RESPECT OF EMEs

17.1. In terms of the Generic Codes Practice, an enterprise including a sole propriety with annual total revenue of R10 million or less qualifies as an EME

17.2 in instances where Sector Charters are developed to address the transformation challenges of specific sectors or industries, the threshold for qualification as an EME may be different from the generic threshold of R10 million. In such instances, the relevant sector Charter threshold will therefore be used as a basis for a potential bidder to qualify as an EME. (For example the approved threshold for EMEs for the Tourism and Construction Sector Charters are R2.5 million and R1.5 million respectively)

17.3 An EME is required to submit a sworn affidavit confirming their annual total revenue of R10 million or less and level of black ownership to claim points.

17.4 An EME that is regarded as a Specialized Enterprise is required to submit a sworn affidavit confirming their annual turnover/allocated budget/ gross receipt of R10 million or

- 17.5 An EME may be measured in terms of the QSE scorecard should they wish to maximize their points and move to a higher B-BBEE recognition level. It is in this context that an EME may submit a B-BBEE verification certificate

18. FUNCTIONAL REQUIREMENTS

The evaluation criteria for measuring functionality, the weight of each criterion, the applicable values as well as the minimum qualifying score for functionality are contained in the technical Bid Specifications.

19. EVALUATION CRITERIA FOR THIS BID IS AS FOLLOWS

90/10 PREFERENTIAL POINTS

90 = Price

NOTE: All bid price/should be VAT inclusive.

10 = Preferential Points

(Points will be allocated according to specific goals table below)

Specific Goals	Procurement Transactions Preference Points allocated out of 10
B-BBEE Status level of Contributor	5
1	5
2	4
3, 4, 5, 6, 7, 8 and Non-compliant contributor	0
Enterprises located in a specific District Municipality, Township or region for work to be done or services to be rendered in that area (Mandatory)	2
Residing within the North West Province where the service is required.	2
Residing outside the North West Province	0
Designated Groups (any bid that meets 1 or more of the 5 will get the maximum points)	3
<ul style="list-style-type: none"> Enterprises 51% owned by black women. Enterprises 51% owned by people with disability. Enterprises 51% owned by black youth. Enterprises 51% owned by black military veterans Registered Cooperatives within the North West department of Health database 	3

NB: Points will be allocated to all those who submitted their BBBEE verification certificates/Sworn Affidavit and Confirmation of preferred address on CSD will be checked and printed by the SCM Practitioner for locality points

CHIEF DIRECTOR: SUPPLY CHAIN MANAGENT

DATE: 20230928

COMPLIANCE CHECKLIST

NB. THE BIDDERS MUST COMPLETE THE CHECKLIST TO VERIFY/CONFIRM WHETHER A BIDDER HAS ATTACHED ALL OF THE BID ADMINISTRATIVE REQUIREMENTS

NO	REQUIREMENT	HAVE YOU ATTACHED Answer Yes or No
1	Compulsory Briefing session	N/A
2	General Revenue Receipt should be attached by all bidders who obtained hardcopy bid documentation at the Offices of the Health Department-Original Bank Deposit slip or Electronic Transfer printout receipt reflecting the name of the Bidder and Bid Number. NB-Bidders who download the bid documentation from the E-Tender Website are exempted from this requirement. Bidders are encouraged to download the bid documentation from the E-Tender Website	
3	Original, fully Completed and signed applicable Bid Documents and Preference Claim Forms in terms of the Preferential Procurement Regulations. NB. All Bidders are required to fully complete the SBD forms as required by the National Treasury PFMA prescripts and the 2022 PPPFA Regulations <u>AND</u> fully complete all other forms as required by the specification, without fail. Any bidder having not complied with these requirements shall be disqualified. [Each of the following SBD form must be fully completed and signed.]	
3.1	Availability of signed and fully completed SBD 1- Invitation to bid	
3.2	Availability of signed and fully completed SBD 4- Declaration of Interest	
3.3	Availability of signed and fully completed SBD 6.1 - Preference Points Claim Form in Terms of the Preferential Procurement Regulations 2022	
4	Copies of Identity Documents of all Directors / Main Shareholders of the company.-	
5	Valid Tax Clearance Certificate / Tax Compliance Status PIN or CSD Report- Indicate the expiry date[s] of all the TCC The Department will also verify the tax compliance status of bidder	

6	Copy of Company Registration Certificate from the Registrar of Companies of all Parties indicating the names of directors or main shareholders of the company. NB The old Company Registration certificates issued in terms of the repealed 1973 Companies Act which do not show the company Directors 'names are not acceptable. All bidders are required to submit the updated Company Registration Certificates issued by the Registrar of Companies in terms of the 2008 Companies Act, that is, a complete certificates which indicate the names of all Directors or main shareholders of the Company without fail	
7	TOTAL BID PRICE INCLUDING VAT AMOUNT.....	
8	Bidders are required to submit a valid B-BBEE Status level Verification Certificate or certified copies thereof, together with their bids, to substantiate their B-BBEE rating claims. Confirmation not older than six months. An EME is required to submit a sworn affidavit confirming their annual total revenue of R10 MILLION or less -Bidders who do not submit B-BBEE Status level Verification Certificates , a sworn affidavit or are non-compliant contributors to B-BBEE do not qualify for preference points for B-BBEE but shall not be disqualified from the bidding process , but will score points out of price only and zero [0] points out of B-BBEE	
9 IN THE CASE OF JOINT VENTURE (JV) OR CONSORTIUM THE FOLLOWING DOCUMENTS MUST BE ATTACHED TO THE BID DOCUMENTS		
9.1	Valid Tax Clearance Certificate of all Partners- / Tax Compliance Status PIN or CSD report- The Department will also verify the tax compliance status of bidder Indicate the expiry date[s] of all the TCC of the JV partners.	
9.2	Copies of Identity Documents of all Directors / Main Shareholders of all Parties to the Joint Venture.	
9.3	Joint venture agreement duly signed by all parties	
9.4	General Revenue Receipt should be attached by all bidders who obtained hardcopy bid documentation at the Offices of the Health Department-.Original Bank Deposit slip or Electronic Transfer printout receipt reflecting the name of the Bidder and Bid Number NB-Bidders who download the bid documentation from the E-Tender Website are exempted from this requirement	

9.5	Copies of Company Registration Certificates from the Registrar of Companies of all Parties to a Joint Venture indicating the names of directors or main shareholders of the companies to the joint venture.- NB The old Company Registration certificates Issued in terms of the repealed 1973 Companies Act which do not show the company Directors 'names are not acceptable. All bidders are required to submit the updated Company Registration Certificates issued by the Registrar of Companies in terms of the 2008 Companies Act, that is, certificates which indicate the names of all Directors or main shareholders of the Company, without fail.	
9.6	Original Certificate or Original Certified copy of the Consolidated B-BBEE Status level verification Certificate or confirmation letter. An EME is required to submit a sworn affidavit confirming their annual total revenue of R10 MILLION or less Bidders who do not submit B-BBEE Status level Verification Certificates , a sworn affidavit or are non-compliant contributors to B-BBEE do not qualify for preference points for B-BBEE but shall not be disqualified from the bidding process , but will score points out of price only and zero [0] points out of B-BBEE	
10	A Trust, consortium or a joint venture are required to submit a consolidated B-BBEE Status Level Verification Certificate for every separate bid	
11	Public entities and tertiary institutions are required to submit B-BBEE Status level verification certificates together with their bids	
12	Duly completed and signed original bid documents issued by the Department should be sealed in an envelope marked: Bid number : NWDOH/PS/019/11 Company Name : Closing date : 02 NOVEMBER 2023 Closing time : 11H00	
13	Address and contact details:	

SIGNATURE BY BIDDER:

DATE:



Health Office Park
Private Bag X 2068
MMABATHO
2735

DEPARTMENTAL BID ADJUDICATION COMMITTEE

Enq: Ms G. Setshedi
Tel: +27 (18) 391 4374/4514
Email: GMalwane@nwpg.gov.za
www.health.nwpg.gov.za

1. PURPOSE

The advertise completion of Sekhing Community Health Centre, Dr Ruth Segomotsi Mompati District in North West Province.

2. BACKGROUND

The construction of the Sekhing Community Health Centre project was initially started in 2012. The initial contract period for the project was 22 months. However, the project has experienced numerous challenges. The contractor could not complete the project, and the department took the decision to terminate it. The outstanding work relates to all trades, including but not limited to the following:

- General building work,
- Electrical and electronic work (inclusive of Information and Communication Technology),
- Mechanical work (inclusive of heating, ventilation & air-conditioning, fire detection and suppression systems),
- Civil works (inclusive of water and sewer reticulation and treatment)

3. EXPECTED DELIVERABLES AND OUTCOMES

The Community Health Centre facility is to be fully completed aligned with the Department's norms and standards. The facility will deliver and provide primary health care services for the Greater Taung Sub District.

4. TIME FRAME/DURATION OF BID

Twelve (12) months.

5. TECHNICAL SPECIFICATIONS

The Bill of Quantities document is attached; the technical specification was assessed and approved by IDTS Technical Committee.

6. BIDDER REQUIREMENTS

- a) The bidder must be registered with Construction Industry Development Board (CIDB) with a grading designation of **Grade 7GB or higher**.
- b) Provide a valid COIDA letter of good standing.

- c) Construction Project Manager should have a Degree/National Diploma in Built environment with at least four (4) years relevant experience and a Professional registration certificate from SACPCMP as a Construction Project Manager **(Attach a copies of qualifications & professional registration certificate)**
- d) Construction Supervisor and/or Foreman should have a Degree/National Diploma in Built environment with at least four (4) years relevant experience **(Attach a detailed CV and copies of qualifications)**.
- e) Safety Officer should have a Degree/National Diploma in Occupational Health and Safety with at least four (4) years' relevant experience and Professional registration with SACPCMP as a Construction Health and Safety officer **(Attach a copies of qualifications & professional registration certificate)**.
- f) Bidder should have completed four (4) or more similar type projects (General Building) with a value of R15 million or more **(Attach letter of award and completion certificate)**.

7. SPECIAL CONDITIONS

The successful tenderer will purchase, at their cost, the JBCC Principal Building Agreement (2018 Edition 6.2, amended for Organs of State) document which will be entered into and signed by both parties

8. EVALUATION CRITERIA

90/10 PREFERENTIAL POINTS

90 = Price

NOTE: All bid price/should be VAT inclusive.

10 = Preferential Points

(Points will be allocated according to specific goals table below)

Specific Goals	Procurement Transactions Preference Points allocated out of 10
B-BBEE Status level of Contributor	5
1	5
2	4
3, 4, 5, 6, 7, 8 and Non-compliant contributor	0
Enterprises located in a specific District Municipality, Township or region for work to be done or services to be rendered in that area (Mandatory)	2
Residing within the North West Province where the service is required.	2
Residing outside the North West Province	0
Designated Groups (any bid that meets 1 or more of the 5 will get the maximum points)	3
<ul style="list-style-type: none">Enterprises 51% owned by black women.Enterprises 51% owned by people with disability.Enterprises 51% owned by black youth.Enterprises 51% owned by black military veteransRegistered Cooperatives within the North West department of Health database	3

Technical Enquiries to be directed to:

Name : Mr Roelof de Jager

Tel : 060 980 1547

PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE DEPARTMENT OF HEALTH

BID NUMBER:	NWDOH/PS/019/11	CLOSING DATE:	02 November 2023	CLOSING TIME:	11:00
DESCRIPTION	Completion of the Sekhing Community Health Centre, Dr Ruth Segomotsi Mompati District. North West Province. CIDB GRADING 7GB or higher				

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

DEPARTMENT OF HEALTH NORTH WEST, GROUND FLOOR

NEW OFFICE PARK BUILDING,

3801 CORNER FIRST STREET AND SEKAME

MMABATHO, 2735

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO

TECHNICAL ENQUIRIES MAY BE DIRECTED TO:

CONTACT PERSON	Ms Pulenyane	CONTACT PERSON	Mr R. de Jager
TELEPHONE NUMBER	018 391 4236	TELEPHONE NUMBER	060 980 1547
FACSIMILE NUMBER	N/A	FACSIMILE NUMBER	N/A
E-MAIL ADDRESS	RPulenyane@nwpg.gov.za	E-MAIL ADDRESS	RdeJager@nwpg.gov.za

SUPPLIER INFORMATION

NAME OF BIDDER			
POSTAL ADDRESS			
STREET ADDRESS			
TELEPHONE NUMBER	CODE	NUMBER	
CELLPHONE NUMBER			
FACSIMILE NUMBER	CODE	NUMBER	
E-MAIL ADDRESS			
VAT REGISTRATION NUMBER			
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:	OR	CENTRAL SUPPLIER DATABASE No: MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	[TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT [TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No

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

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED? <input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED? <input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]
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QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
DOES THE ENTITY HAVE A BRANCH IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?	<input type="checkbox"/> YES <input type="checkbox"/> NO
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.	

PART B TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

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

2. TAX COMPLIANCE REQUIREMENTS

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

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

SIGNATURE OF BIDDER:

.....

CAPACITY UNDER WHICH THIS BID IS SIGNED:

.....

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

DATE:

.....

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

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.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

2. Bidder's declaration

- 2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest¹ in the enterprise, employed by the state? **YES/NO**

- 2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State Institution

- 2.2 Do you, or any person connected with the bidder, have a relationship

¹ 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.

with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:

.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

2.3.1 If so, furnish particulars:

.....

3 DECLARATION

I, _____ the _____ undersigned,
 (name)..... in
 submitting the accompanying bid, do hereby make the following
 statements that I certify to be true and complete in every respect:

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from; and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium² will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring

² Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.

- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature Date

.....
Position Name of bidder

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 **To be completed by the organ of state**

(delete whichever is not applicable for this tender).

- a) The applicable preference point system for this tender is the **90/10** preference point system.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- (a) Price; and
(b) Specific Goals.

1.4 **To be completed by the organ of state:**

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	90
SPECIFIC GOALS	10
Total points for Price and SPECIFIC GOALS	100

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.6 The organ of state reserves the right to require of a tenderer, either before a tender is

adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

- (a) **"tender"** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **"price"** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **"rand value"** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **"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; and
- (e) **"the Act"** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

80/20	or	90/10	
$Ps = 80 \left(1 - \frac{Pt - Pmin}{Pmin} \right)$	or	$Ps = 90 \left(1 - \frac{Pt - Pmin}{Pmin} \right)$	

Where

- Ps = Points scored for price of tender under consideration
- Pt = Price of tender under consideration
- Pmin = Price of lowest acceptable tender

3.2. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

3.2.1. POINTS AWARDED FOR PRICE

A maximum of 80 or 90 points is allocated for price on the following basis:

$$\begin{array}{ccc} \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\ \\ \mathbf{Ps = 80 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right)} & \mathbf{or} & \mathbf{Ps = 90 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right)} \end{array}$$

Where

- Ps = Points scored for price of tender under consideration
- Pt = Price of tender under consideration
- Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:
- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
 - (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
 - (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

Specific Goals	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)
B-BBEE Status level of Contributor	5	
1	5	
2	4	
3, 4, 5, 6, 7, 8 and Non-compliant contributor	0	
Enterprises located in a specific District Municipality, Township or region for work to be done or services to be rendered in that area (Mandatory)	2	
Residing within the North West Province where the service is required.	2	
Residing outside the North West Province	0	
Designated Groups (any bid that meets 1 or more of the 5 will get the maximum points)	3	
<ul style="list-style-type: none"> Enterprises 51% owned by black women. Enterprises 51% owned by people with disability. Enterprises 51% owned by black youth. Enterprises 51% owned by black military veterans Registered Cooperatives within the North West department of Health database 	3	

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm.....

4.4. Company registration number:

4.5. 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

[TICK APPLICABLE BOX]

4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, 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; and
 - (e) forward the matter for criminal prosecution, if deemed necessary.

.....
SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME:

DATE:

ADDRESS:

.....

.....

.....

THE NATIONAL TREASURY

Republic of South Africa



GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT

July 2010

GOVERNMENT PROCUREMENT
GENERAL CONDITIONS OF CONTRACT
July 2010

NOTES

The purpose of this document is to:

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

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

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

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General Conditions of Contract

1. Definitions

1. The following terms shall be interpreted as indicated:
 - 1.1 "Closing time" means the date and hour specified in the bidding documents for the receipt of bids.
 - 1.2 "Contract" means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
 - 1.3 "Contract price" means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
 - 1.4 "Corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.
 - 1.5 "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
 - 1.6 "Country of origin" means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
 - 1.7 "Day" means calendar day.
 - 1.8 "Delivery" means delivery in compliance of the conditions of the contract or order.
 - 1.9 "Delivery ex stock" means immediate delivery directly from stock actually on hand.
 - 1.10 "Delivery into consignees store or to his site" means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
 - 1.11 "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the

RSA.

- 1.12 "Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 1.13 "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
- 1.14 "GCC" means the General Conditions of Contract.
- 1.15 "Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
- 1.16 "Imported content" means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.
- 1.17 "Local content" means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.
- 1.18 "Manufacture" means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- 1.19 "Order" means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.20 "Project site," where applicable, means the place indicated in bidding documents.
- 1.21 "Purchaser" means the organization purchasing the goods.
- 1.22 "Republic" means the Republic of South Africa.
- 1.23 "SCC" means the Special Conditions of Contract.
- 1.24 "Services" means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such

obligations of the supplier covered under the contract.

- 1.25 "Written" or "in writing" means handwritten in ink or any form of electronic or mechanical writing.

2. Application

- 2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.
- 2.2 Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.
- 2.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

3. General

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

4. Standards

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

5. Use of contract documents and information; inspection.

- 5.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- 5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.
- 5.3 Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.
- 5.4 The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.

6. Patent rights

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

7. Performance security

- 7.1 Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.
- 7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.
- 7.3 The performance security shall be denominated in the currency of the contract, or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:
- (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or
 - (b) a cashier's or certified cheque
- 7.4 The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in SCC.

8. Inspections, tests and analyses

- 8.1 All pre-bidding testing will be for the account of the bidder.
- 8.2 If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the Department or an organization acting on behalf of the Department.
- 8.3 If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
- 8.4 If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.5 Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6 Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
- 8.7 Any contract supplies may on or after delivery be inspected, tested or

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

- 8.8 The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 23 of GCC.

9. Packing

- 9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.

10. Delivery and documents

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

11. Insurance

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

12. Transportation

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

13. Incidental services

- 13.1 The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
- (a) performance or supervision of on-site assembly and/or commissioning of the supplied goods;
 - (b) furnishing of tools required for assembly and/or maintenance of the supplied goods;
 - (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;

- (d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and
- (e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.

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

14. Spare parts

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

- (a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and
- (b) in the event of termination of production of the spare parts:
 - (i) Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
 - (ii) following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

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

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

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

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

15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the purchaser may proceed to take

such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

16. Payment

- 16.1 The method and conditions of payment to be made to the supplier under this contract shall be specified in SCC.
- 16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.
- 16.3 Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.
- 16.4 Payment will be made in Rand unless otherwise stipulated in SCC.

17. Prices

- 17.1 Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized in SCC or in the purchaser's request for bid validity extension, as the case may be.

18. Contract amendments

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

19. Assignment

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

20. Subcontracts

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

21. Delays in the supplier's performance

- 21.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.
- 21.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.
- 21.3 No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.
- 21.4 The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the

supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.

21.5 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of penalties.

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

22. Penalties

22.1 Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.

23. Termination for default

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

- (a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;
- (b) if the Supplier fails to perform any other obligation(s) under the contract; or
- (c) if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

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

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

23.4 If a purchaser intends imposing a restriction on a supplier or any

person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the intended penalty as not objected against and may impose it on the supplier.

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

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

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

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

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

24. Anti-dumping and countervailing duties and rights

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

may be due to him

25. Force Majeure

- 25.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.
- 25.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

26. Termination for insolvency

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

27. Settlement of Disputes

- 27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.
- 27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.
- 27.4 Mediation proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.
- 27.5 Notwithstanding any reference to mediation and/or court proceedings herein,
- (a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and
 - (b) the purchaser shall pay the supplier any monies due the supplier.

28. Limitation of liability

- 28.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6;
- (a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and

- (b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.
- 29. Governing language** 29.1 The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.
- 30. Applicable law** 30.1 The contract shall be interpreted in accordance with South African laws, unless otherwise specified in SCC.
- 31. Notices** 31.1 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice
- 31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.
- 32. Taxes and duties** 32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.
- 32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.
- 32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Department must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African Revenue Services.
- 33. National Industrial Participation Programme (NIP)** 33.1 The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation.
- 34 Prohibition of Restrictive practices** 34.1 In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder (s) is / are or a contractor(s) was / were involved in collusive bidding (or bid rigging).
- 34.2 If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the purchaser, has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in the Competition Act No. 89 of 1998.

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

Js General Conditions of Contract (revised July 2010)



health

Department of
Health
North West Province
REPUBLIC OF SOUTH AFRICA

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE, DR. RUTH SEGOMOTSI MOMPATI DISTRICT IN THE NORTH WEST PROVINCE

PROVISIONAL BILLS OF QUANTITIES

SECTION 1 – PRELIMINARIES AND GENERALS

SECTION 2 – BUILDERS WORKS

SECTION 3 – PROVISIONAL SUMS

SECTION 4 – ELECTRICAL WORKS

SECTION 5 – ELETRONIC WORKS

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO 1</u></p> <p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES</u></p> <p>MEANING OF TERMS "TENDER / TENDERER"</p> <p>Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"</p> <p>BUILDING AGREEMENT AND PRELIMINARIES</p> <p>The JBCC Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described to be read in conjunction with the Contract Data issued with the tender.</p> <p>The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these bills of quantities / lump sum document, amended as hereinafter described</p> <p>The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause</p> <p>The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only.</p> <p>Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"</p> <p>Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries</p> <p>PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			
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<p>supplements shall take precedence notwithstanding anything to the contrary contained in the abovementioned documents</p> <p>TENDERER’S SELECTIONS</p> <p>Before submission of his tender the contractor is to complete the tenderer's selections in the contract data for organs of state and other public sector bodies</p> <p>STRUCTURE OF THIS PRELIMINARIES BILL</p> <p>Section A : A recital of the headings of the individual clauses in the aforementioned JBCC Principal Building Agreement</p> <p>Section B : A recital of the headings of the individual clauses in the aforementioned JBCC General Preliminaries</p> <p>Section C : Any special clauses to meet the particular circumstances of the project</p> <p>PRICING OF PRELIMINARIES</p> <p>Should the contractor select Option A in the contract data for organs of state and other public sector bodies for the adjustment of preliminaries, the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)</p> <p>PRICING OF BILLS OF QUANTITIES</p> <p>The contractor is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement.</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>				
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1	<p>Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the contractor's omission to price any item will be entertained</p> <p>Prices for all construction equipment, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary</p> <p>VALUE ADDED TAX</p> <p>Provision is made in the summary page of these bills of quantities / lump sum document for the inclusion of Value Added Tax (VAT).</p> <p><u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>Definitions (A1)</u></p> <p>DEFINITIONS AND INTERPRETATION</p> <p>Clause 1.0</p> <p>The following definitions replace corresponding definitions or are added to the definitions in the JBCC PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018), whatever the case may be</p> <p>ADVERSE WEATHER CONDITIONS: Adverse weather and inclement weather has the same meaning and used interchangeably and means any weather conditions i.e.: Rain, wind, snow, frost, temperature (cold or heat) that are not in the norm for the area where the construction takes place and during which no work is possible on site</p> <p>AGREEMENT: The completed Form of Offer and Acceptance, the completed JBCC® Principal Building Agreement and contract data for organs of state and other public sector bodies, the contract drawings, the priced document and any other documents reduced to writing and signed by the authorised representative or representatives of the parties</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			R
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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

	<p>CONSTRUCTION PERIOD: The period commencing on the date of possession of the site by the contractor and ending on the date of practical completion.</p> <p>CONTRACT PERIOD: The period commencing on the date of the letter of acceptance and ending on the date of final completion .</p> <p>COST FLUCTUATION shall mean contract price adjustment provision (CPAP) for the adjustment of fluctuation in the cost of labour, plant, material and goods as stated in the schedule.</p> <p>DEFAULT INTEREST: No Clause</p> <p>Clause 1.0</p> <p>The following definitions replace corresponding definitions or are added to the definitions in the JBCC PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018), whatever the case may be</p> <p>ADVERSE WEATHER CONDITIONS: Adverse weather and inclement weather has the same meaning and used interchangeably and means any weather conditions i.e.: Rain, wind, snow, frost, temperature (cold or heat) that not in the norm for the area where the construction takes place and during which no work is possible on site</p> <p>AGREEMENT: The completed Form of Offer and Acceptance, the completed JBCC® Principal Building Agreement and contract data for organs of state and other public sector bodies, the contract drawings, the priced document and any other documents reduced to writing and signed by the authorised representative or representatives of the parties</p> <p>CONSTRUCTION PERIOD: The period commencing on the date of possession of the site by the contractor and ending on the date of practical completion.</p> <p>CONTRACT PERIOD: The period commencing on the date of the letter of acceptance and ending on the date of final completion .</p> <p>COST FLUCTUATION shall mean contract price adjustment provision (CPAP) for the adjustment of fluctuation in the cost of labour, plant, material and goods as stated in the schedule.</p>			
	<p style="text-align: right;">Carried to Collection</p>		R	
	<p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			

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	<p>DEFAULT INTEREST: No Clause</p> <p>GUARANTEE FOR CONSTRUCTION: A security in terms of the DPWI's Guarantee for Construction form/s, obtained by the contractor from an institution approved by the employer [CD]</p> <p>INTEREST: The interest rates applicable on this contract whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999) as amended, calculated as simple interest, in respect of debts owing to the State, and will be the rate as published by the Minister of Justice and Correctional Services from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No 55 of 1975) as amended, calculated as simple interest, in respect of debts owing by the State</p> <p>LETTER OF ACCEPTANCE: The letter of formal acceptance of the Contractor's or Service Provider's Tender / Bid, issued and signed by the Employer</p> <p>PAYMENT CERTIFICATE: A certificate issued at regular agreed intervals [CD] by the principal agent to the parties certifying the amount due and payable in terms of Clause 25.3</p> <p>PRINCIPAL AGENT: The person or entity appointed by the employer and named in the contract data for organs of state and other public sector bodies. In the event of a principal agent not being appointed, then all the duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by the employer's representative as named in the contract data for organs of state and other public sector bodies</p> <p>TARGETED SUBCONTRACTORS: Subcontractors that must be appointed to a total of 30% or more of the contract sum, by the contractor, projects with a contract sum of the amount determined by the Minister in terms of the latest Preferential Procurement regulations, as may be amended from time to time.</p>	Item		
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries</p> <p>PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		R	

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
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	Value Related	Item		
	Time Related	Item		
	<u>Objective and Preparation (A2 - A11)</u>			
2	LAW, REGULATIONS AND NOTICES			
	Clause 2.0			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
3	OFFER AND ACCEPTANCE			
	Clause 3			
	Replace Clause 3.3 with the following:			
	This agreement shall come into force on the date of letter of acceptance and continue to be of force and effect until the end of the latent defects liability period [22.0] notwithstanding termination [29.0] or the certification of final completion [21.0] and final payment [25.0]			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
	Carried to Collection			
	Section No. 1			
	Section 1 - Preliminaries			
	Bill No 1 - Preliminaries			
	PROVISIONAL BILL OF QUANTITIES			
	BID NUMBER: NWDOH/PS/019/11			
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<p>4</p>	<p>CESSION AND ASSIGNEMENT</p> <p>Clause 4</p> <p>Ref Clause 6.7 [CD] - Clause 4.2</p> <p>Replace Clause 4.3 with the following: Where a contractor cedes any right or any monies due to or to become due under this agreement as security in favour of a financial institution, the prior written consent of the employer, which consent shall not be unreasonably withheld, must be obtained.</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	<p>Item</p> <p>Item</p> <p>Item</p>		
<p>5</p>	<p>EMPLOYERS' AGENTS</p> <p>Clause 5.0</p> <p>Replace last sentence of Clause 5.2 with the following: The original signed agreement shall be held by the Employer.</p> <p>Replace Clause 5.4 with the following: The Bills of Quantities shall not be used as a specification of material and goods or methods unless so instructed by the Principal Agent. The contractor may not use the Bills of Quantities for purpose of ordering material. All dimensions and quantities must be determined on site before ordering. In the event of discrepancy between the drawings and Bills of Quantity, the drawings shall take preference.</p> <p>Replace Clause 5.5 with the following: The parties may publish or disclose on any platform only the contract scope and contract amount.</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>	<p>Item</p> <p>Item</p>	<p>R</p>	

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6	<p style="text-align: right;">Time Related</p> <p>EMPLOYER'S AGENT</p> <p>Clause 6.0</p> <p>Replace Clause 6.5 with the following: Where the principal agent and/or an agent fails to act or is unable to act or ceases to be the principal agent or an agent in terms of this agreement, the employer shall appoint another principal agent and/or an agent.</p> <p>Add the following as Clause 6.7: In terms of the clauses listed hereunder, the employer has retained its authority and has not given a mandate to the principal agent, notwithstanding other provisions in the contract. The employer shall sign all documents in relation to clauses 4.2, 14.1.4, 14.4.1, 14.6, 15.1.4, , 15.4.1, 23.1, 23.2, 23.3, 23.7, 23.8, 26.1, 26.7, 26.12</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item		
7	<p>DESIGN RESPONSIBILITY</p> <p>Clause 7.0</p> <p>Replace first sentence of Clause 7.2 with the following Any design responsibility undertaken by a subcontractor specific component design and or compatibility design and</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item		
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		R	

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8	<p><u>INSURANCE AND SECURITIES</u></p> <p>WORKS INSURANCE</p> <p>Clause 8.0</p> <p>Replace Clause 8.4 with the following: The contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>			
		Item		
		Item		
		Item		
	9			
	<p>INDEMNITIES</p> <p>Clause 9.0</p> <p>Add the following to the end of the first sentence of Clause 9.2.7: “.... due to no fault of the contractor</p> <p>9.2.9 No Clause</p> <p>9.2.10 No Clause</p> <p>Add the following as clause 9.3: The employer's rights to claim damages for the contractor's omissions and actions will not be affected.</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>			
		Item		
		Item		
		Item		
	10			
	<p>INSURANCES</p> <p>Clause 10.0</p> <p>Replace Clause 10.1 with the following: The party responsible shall effect and keep the</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries</p> <p>PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		R	

<p>respective insurances [CD] in force, in favour of the employer as beneficiary , from the date of possession of the site until the issue of the certificate of practical completion and with an extension to cover the contractors obligations after the date of practical completion [8.2.2]</p>				
<p>Add the following as Clause 10.1.5.1: Hi Risk Insurance In the event of the project being executed in a geological area classified as a “High Risk Area”, that is an area which is subject to highly unstable sub-surface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply</p> <p>Add the following as Clause 10.1.5.1.1 Damage to the works The contractor shall, from the date of possession of the site until the date of the certificate of practical completion, bear the full risk of and hereby indemnifies and holds harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above. The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary</p> <p>When so instructed to do so by the principal agent, the contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor's own costs</p> <p>10.1.5.1.2 Injury to persons or loss of or damage to property The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above</p> <p>The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property, or personal property, or property contiguous to the site,</p>				
<p>Carried to Collection</p>			<p>R</p>	
<p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>				

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<p>whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract</p> <p>10.1.5.1.3 Replace Clause with the following: It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.1.5.1.1 and 10.1.5.1.2. Without limiting the contractor's obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the date of letter of acceptance, but before commencement of the works, submit to the employer proof of such insurance policy.</p> <p>10.1.5.1.4 Replace Clause with the following: The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractor's default of his obligations as set out in 10.1.5.1.1; 10.1.5.1.2 and 10.1.5.1.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole</p> <p>10.2 Replace Clause with the following: Where practical completion in sections is required [20.0), or where the works is for alterations and additions, the contractor shall effect and keep in force contract works insurance [10.1.1], supplementary insurance [10.1.2], public liability insurance [10.1.3] and where applicable, removal of lateral support insurance [10.1.4] and other insurances [10.1.5) in favour of the employer as beneficiary</p> <p>10.6 No Clause</p> <p>Add the following as Clause 10.11 In the event that an insurer dispute the amount of the claim to be paid to the employer, the contractor shall be liable to the employer for the difference between the claim (as determined by the employers QS appointed on the project) made by the employer and the amount that the insurer is willing to pay</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		Item	R	
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	Value Related	Item		
	Time Related	Item		
11	SECURITIES			
	Clause 11			
	<p>Add the following as to the relevant related Clauses follows:</p> <p>Add the following to Clause 11.1:</p> <p>In respect of contracts with a contract sum up to R1 million, the security to be provided by the contractor to the employer will be a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT).</p> <p>In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of C 1.0 Securities, as stated in the schedule. Such security shall be provided to the employer within fifteen (15) working days from commencement date. Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within fifteen (15) working days from commencement date, the security in terms of C 1.0 Option C shall be deemed to have been selected.</p> <p>The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5</p> <p>11.1.1 No Clause</p> <p>11.1.2 No Clause</p> <p>11.2.2 No Clause</p> <p>11.3 No Clause</p> <p>Replace Clause 11.4.1 with the following: Hand over the site to the contractor and withhold an amount equal to ten per cent (10%) of each interim payment certificate until practical completion is achieved. The value certified shall be subject to the adjustments in terms of 25.12.6 to 25.12.10.</p>			
	Carried to Collection		R	
	Section No. 1			
	Section 1 - Preliminaries			
	Bill No 1 - Preliminaries			
	PROVISIONAL BILL OF QUANTITIES			
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<p>11.5 No Clause</p> <p>11.6 No Clause</p> <p>11.7 No Clause</p> <p>11.8 No Clause</p> <p>11.9 No Clause</p> <p>11.10 No Clause</p> <p>Add the following as Clause 11.11: Where the security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>Add the following as Clause 11.11.1: The contractor shall furnish the employer with a cash deposit equal in value to ten percent (10%) of the contract sum (excluding VAT) within fifteen (15) working days from commencement date. Failure to furnish the employer with a cash deposit within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.</p> <p>Add the following as Clause 11.11.2: The employer shall be entitled to recover expense and loss from the cash deposit in terms of Clause 27.0 provided that the employer notifies the Contractor in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor.</p> <p>Add the following as Clause 11.11.3: Within fifteen (15) working days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT) and refund the balance to the contractor</p> <p>Add the following as Clause 11.11.4: Within fifteen (15) working days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor.</p> <p>Add the following as Clause 11.11.5: On the date of payment of the amount in the final payment certificate, the employer shall refund the</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>				
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	<p>remainder of the cash deposit to the contractor.</p> <p>Add the following as Clause 11.11.6: The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party.</p> <p>Add the following as Clause 11.12: Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>Add the following as Clause 11.12.1: The contractor shall furnish the employer with an acceptable variable construction guarantee equal in value to ten per cent (10%) of the contract sum (excluding VAT) within fifteen (15) working days after issuance of the letter of acceptance. Failure to submit an acceptable variable construction guarantee within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.</p> <p>Add the following as Clause 11.12.2: The variable construction guarantee shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender.</p> <p>Add the following as Clause 11.12.3: The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring.</p> <p>Add the following as Clause 11.12.4: Where the employer has a right of recovery against the contractor in terms of 27.0, the employer shall issue a written demand in terms of the variable construction guarantee.</p> <p>Add the following as Clause 11.13: Where security as a fixed construction guarantee of five per cent (5%) of the contract sum (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>Add the following as Clause 11.13.1: The contractor shall furnish a fixed construction guarantee to the employer equal in value to five per cent (5%) of the contract sum (excluding VAT).</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			
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<p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>	<p>Add the following as Clause 11.13.2: The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of the last certificate of practical completion.</p> <p>Add the following as Clause 11.13.3: The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring.</p> <p>Add the following as Clause 11.13.4: The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5.</p> <p>Add the following as Clause 11.13.5: Where the employer has a right of recovery against the contractor in terms of 27.0, the employer shall be entitled to issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction or from both.</p> <p>Add the following as Clause 11.14.1: Where security as a cash deposit of five per cent (5%) of the contract sum (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) has been selecte</p> <p>Add the following as Clause 11.14.2: The contractor shall furnish the employer with a cash deposit equal in value to five per cent (5%) of the contract sum (excluding VAT) within fifteen (15) working days from commencement date. Failure to submit a cash deposit within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.</p> <p>Add the following as Clause 11.14.3: Within fifteen (15) working days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor.</p> <p>Add the following as Clause 11.14.4: The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5.</p> <p>Add the following as Clause 11.14.5: Where the employer has a right of recovery against the contractor in terms of 27, the employer may recover from the payment reduction or cash deposit or from both.</p> <p style="text-align: right;">Carried to Collection</p>			<p style="text-align: center;">R</p>
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	<p>Add the following as Clause 11.15: Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected.</p> <p>Add the following as Clause 11.15.1: The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.6 to 25.12.10.</p> <p>Add the following as Clause 11.15.2: The employer shall be entitled to recover expense and loss from the cash deposit in terms of 27.0 provided that the employer notifies the Contractor in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor.</p> <p>Add the following as Clause 11.16: Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement.</p> <p>Add the following as Clause 11.17: Should the contractor fail to furnish the security in terms of 11.2 the employer, in his sole discretion, and without notification to the contractor, is entitled to change the contractor's selected form of security to that of a ten per cent (10%) payment reduction of the value certified in the payment certificate (excluding VAT).</p> <p>Add the following as to the relevant related Clauses as follows:</p> <p>Add the following to Clause 11.1:</p> <p>In respect of contracts with a contract sum up to R1 million, the security to be provided by the contractor to the employer will be a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT).</p> <p>In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of C 1.0 Securities, as stated in the schedule. Such security shall be provided to the employer within fifteen (15) working days from</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			
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	<p>commencement date. Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within fifteen (15) working days from commencement date, the security in terms of C 1.0 Option C shall be deemed to have been selected.</p> <p>The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5</p> <p>11.1.1 No Clause</p> <p>11.1.2 No Clause</p> <p>11.2.2 No Clause</p> <p>11.3 No Clause</p> <p>Replace Clause 11.4.1 with the following: Hand over the site to the contractor and withhold an amount equal to ten per cent (10%) of each interim payment certificate until practical completion is achieved. The value certified shall be subject to the adjustments in terms of 25.12.6 to 25.12.10.</p> <p>11.5 No Clause</p> <p>11.6 No Clause</p> <p>11.7 No Clause</p> <p>11.8 No Clause</p> <p>11.9 No Clause</p> <p>11.10 No Clause</p> <p>Add the following as Clause 11.11: Where the security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>Add the following as Clause 11.11.1: The contractor shall furnish the employer with a cash deposit equal in value to ten percent (10%) of the contract sum (excluding VAT) within fifteen (15) working days from commencement date. Failure to furnish the employer with a cash deposit within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			
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	<p>Add the following as Clause 11.11.2: The employer shall be entitled to recover expense and loss from the cash deposit in terms of Clause 27.0 provided that the employer notifies the Contractor in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor.</p> <p>Add the following as Clause 11.11.3: Within fifteen (15) working days of the date of practical to an amount equal to three per cent (3%) of the contract value (excluding VAT) and refund the balance to the contractor</p> <p>Add the following as Clause 11.11.4: Within fifteen (15) working days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor.</p> <p>Add the following as Clause 11.11.5: On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor.</p> <p>Add the following as Clause 11.11.6: The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party.</p> <p>Add the following as Clause 11.12: Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>Add the following as Clause 11.12.1: The contractor shall furnish the employer with an acceptable variable construction guarantee equal in value to ten per cent (10%) of the contract sum (excluding VAT) within fifteen (15) working days after issuance of the letter of acceptance. Failure to submit an acceptable variable construction guarantee within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.</p> <p>Add the following as Clause 11.12.2: The variable construction guarantee shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender.</p>			
	Carried to Collection		R	
	<p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			

	<p>Add the following as Clause 11.12.3: The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring.</p> <p>Add the following as Clause 11.12.4: Where the employer has a right of recovery against the contractor in terms of 27.0, the employer shall issue a written demand in terms of the variable construction guarantee.</p> <p>Add the following as Clause 11.13: Where security as a fixed construction guarantee of five per cent (5%) of the contract sum (excluding VAT) and five per cent (5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>Add the following as Clause 11.13.1: The contractor shall furnish a fixed construction guarantee to the employer equal in value to five per cent (5%) of the contract sum (excluding VAT).</p> <p>Add the following as Clause 11.13.2: The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of the last certificate of practical completion.</p> <p>Add the following as Clause 11.13.3: The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring.</p> <p>Add the following as Clause 11.13.4: The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of</p> <p>Add the following as Clause 11.13.5: Where the employer has a right of recovery against the contractor in terms of 27.0, the employer shall be entitled to issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction or from both.</p> <p>Add the following as Clause 11.14.1: Where security as a cash deposit of five per cent (5%) of the contract sum (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) has been selecte</p>			
	Carried to Collection		R	
	<p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			

	<p>Add the following as Clause 11.14.2: The contractor shall furnish the employer with a cash deposit equal in value to five per cent (5%) of the contract sum (excluding VAT) within fifteen (15) working days from commencement date. Failure to submit a cash deposit within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.</p> <p>Add the following as Clause 11.14.3: Within fifteen (15) working days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor.</p> <p>Add the following as Clause 11.14.4: The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5.</p> <p>Add the following as Clause 11.14.5: Where the employer has a right of recovery against the contractor in terms of 27, the employer may recover from the payment reduction or cash deposit or from both.</p> <p>Add the following as Clause 11.15: Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected.</p> <p>Add the following as Clause 11.15.1: The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.6 to 25.12.10.</p> <p>Add the following as Clause 11.15.2: The employer shall be entitled to recover expense and loss from the cash deposit in terms of 27.0 provided that the employer notifies the Contractor in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor.</p> <p>Add the following as Clause 11.16: Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement.</p> <p>Add the following as Clause 11.17: Should the contractor fail to furnish the security in terms of 11.2 the employer, in his sole discretion,</p>			
	Carried to Collection		R	
	<p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			

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	<p>and without notification to the contractor, is entitled to change the contractor's selected form of security to that of a ten per cent (10%) payment reduction of the value certified in the payment certificate (excluding VAT)</p>				
	Fixed	Item			
	Value Related	Item			
	Time Related	Item			
	<u>EXECUTION (A12 - A17)</u>				
12	OBLIGATIONS OF THE PARTIES				
	Clause 12.0				
	12.1.1 No Clause				
	Replace Clause 12.1.5 with the following: Give possession of the site to the contractor within ten the issue of a construction permit by the Department of 12.2.22				
	12.1.6 No Clause				
	12.1.8 No Clause				
	Replace Clause 12.2.2 with the following: The priced Bills must be submitted to the Employer with priced document contains errors or discrepancies and/ imbalanced or unreasonable the employer or principal agree to the contract sum				
	Replace Clause 12.2.5 with the following : Effect and keep in force insurances in favour of the providing insurances [10.0) [CD]				
	Replace Clause 12.2.13 with the following: Designate a competent person full time on site to continue implement notices and contract instructions on behalf of				
	Add the following as Clause 12.2.22: Within fourteen (14) working days of the date of the letter and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act No. 94 of 1993)				
	Add the following as Clause 12.2.23: The contractor shall within reasonable time inform the employer of the progress of the work in accordance with the programme of work.				
	Carried to Collection			R	
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13	<p>Offices</p> <p>The contractor shall provide, maintain and remove on principal agent, minimum size 4 x 3 x 3m high internal and fitted with boarded floor, desk, chair, drawing stool, be kept clean and fit for use at all times [12.2.18]</p> <p>F:..... V:..... T:.....</p> <p>Main notice board</p> <p>The contractor shall provide, erect where directed, main x 3m as type Drawing GEN 063, constructed of suitable thick round outer edges and projecting 12mm from face securely fixed to hoarding, where hoarding is provided, tubular posts and braces. The board is to be painted ivory wording shall be inscribed in dark green as per the coat sans serif lettering [12.2.18]</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p> <p>SETTING OUT</p> <p>Clause 13.0</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>				
		Item			
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14	NOMINATED SUBCONTRACTORS				
	Clause 14.0				
	Ref Clause 6.7 [CD] - Clause 14.1.4				
	14.1.5 No Clause				
	Replace "principal agent " with "employer" [6.7 [CD]] in Clause 14.4.1				
	Ref Clause 6.7 [CD] - Clause 14.6				
	Fixed	Item			
	Value Related	Item			
	Time Related	Item			
15	SELECTED SUBCONTRACTORS				
	Clause 15.0				
	Ref Clause 6.7 [CD] - Clause 15.1.4 & Clause 15.5				
	15.1.5 No Clause				
	Replace Clause 15.1.2 with the following: The principal agent shall call for tenders from a list of tenderers agreed between the contractor and the employer				
	Replace "principal agent " with "employer" [6.7 [CD]] in Clause 15.4.1				
	Fixed	Item			
	Value Related	Item			
	Time Related	Item			
16	DIRECT CONTRACTORS				
	Clause 16				
	Fixed	Item			
	Value Related	Item			
	Time Related	Item			
	Carried to Collection			R	
	Section No. 1				
	Section 1 - Preliminaries				
	Bill No 1 - Preliminaries				
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17	<p>CONTRACT INSTRUCTIONS</p> <p>Clause 17.0</p> <p>Replace Clause 17.4 with the following: The contractor shall comply with and duly execute all contract instructions except any contract instruction for additional work issued after the date of practical completion other than making good physical loss and repairing damage to the works in terms of 8.0 and 21</p> <p>Add the following clause as Clause 17.6: Minutes of meetings shall not constitute a site instruction unless reduced to a written contract instruction issued by the principal agent in terms of this contract / agreement.</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p> <p><u>COMPLETION (A18-A24)</u></p>			
18	<p>INTERIM COMPLETION</p> <p>Clause 18.0</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>			
19	<p>PRACTICAL COMPLETION</p> <p>Clause 19.0</p> <p>Replace Clause 19.5 with the following: On issue of the only or last certificate of practical completion the employer shall be entitled to possession of the works and the site. On issue of the certificate of practical completion for a section, the employer shall be entitled to possession of such section</p> <p>Add the following as Clause 19.8: WORKS COMPLETION (1) Within seven (7) calendar days of the date of</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries</p> <p>PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		R	

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<p>practical completion the principal agent shall issue to the contractor a works completion list defining the outstanding work and defects apparent at the date of practical completion to be completed or rectified to achieve works completion.</p> <p>(2) Where, in the opinion of the contractor, the works completion list has been completed the contractor shall notify the principal agent who shall inspect within seven (7) calendar days of receipt of such a notice. Where, in the opinion of the principal agent, the Works Completion list:</p> <p style="padding-left: 40px;">(2)(a) Has been satisfactorily completed, the principal agent shall forthwith issue a certificate of Works Completion to the contractor with a copy to the employer</p> <p style="padding-left: 40px;">(2)(b) Has not been satisfactorily completed, the principal agent shall forthwith identify the works completion list items that are not yet complete and inform the contractor thereof. The contractor shall repeat the procedure in terms of 19.8(2)</p> <p>(3) Should the principal agent not issue a works completion list, in terms of 19.8 (1) or 19.8 (2)(b), within seven (7) calendar days from the end of the inspection period, the contractor shall notify the employer and principal agent. Should the principal agent not issue such Works Completion list within seven (7) calendar days of receipt of such notice, the employer may within seven (7) calendar days issue to the contractor a Works Completion list. Should the employer:</p> <p style="padding-left: 40px;">(3)(a) Not issue such works completion list within seven (7) calendar days, then the certificate of Works Completion shall be deemed to have been issued on the date of expiry of the initial notice period and works completion shall be deemed to have been achieved on such date</p> <p style="padding-left: 40px;">(3b) Issue a works completion list and the work on Works Completion list not have been completed or where further defects have become apparent, the employer shall forthwith identify such items on the updated works completion list and notify the contractor. The contractor shall repeat the procedure in terms of 19.8(2)(b) until</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>				
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	<p>such items have been completed to the satisfaction of the employer</p> <p>(4) Should the works completion list not be completed to the satisfaction of the employer within a period of twenty one (21) working days of the issue first works completion list the contractor shall be liable to a daily penalty as described in B12.0</p> <p>(5) The defects liability period in terms of 21.1 shall commence with the issue or deemed issue of the certificate of Works Completion in terms of 19.8(2)(a) or 19.8(3).</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>				
20	<p>COMPLETION IN SECTIONS</p> <p>Clause 20.0</p> <p>Add the following as Clause 20.2.1.A A certificate of Works Completion [19.8]</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>				
21	<p>DEFECTS LIABILITY PERIOD AND FINAL COMPLETION</p> <p>Clause 21.0</p> <p>Replace Clause 21.1 with the following: The defects liability period for the works shall commence on the calendar day following the date of works completion and end at midnight (00:00) ninety (90) calendar days from the date of works completion [CD] or when work on the list for completion has been satisfactorily attended to [21.6), whichever is the later (if we use works completion)</p> <p>Replace Clause 21.6 with the following: On the expiry of the ninety (90) calendar days defects liability period [21.1] for items not indicated as items with</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>				
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<p>an extended liability as indicated in B14 and on receipt of the contractor's notice to the principal agent</p> <p>And/or</p> <p>On the expiry of the defects liability period as indicated in B14, for items indicated in B14 and on receipt of the contractor's notice to the principal agent, the principal agent shall:</p> <ul style="list-style-type: none"> (1) inspect the works And within ten (10) working days either issue a list for final completion detailing all outstanding work or defects that must be attended to, or rectified to achieve final completion or (2) issue the certificate of final completion to the contractor with a copy to the employer for that part of the works where defects liability period has expired <p>21.6.1 Omit Clause</p> <p>21.6.2 Omit Clause</p> <p>Add the following as Clause 21.13: The ninety (90) calendar days defects liability period for the works [21.1] is replaced with an extended defects liability period of three hundred and sixty-five (365) calendar days in respect of the listed applicable elements in B14</p> <p>Add the following as Clause 21.14: Penalties will be applied if the items on the completion list have not been attended to within a period of ninety (90) calendar days [21.1]. If additional defect items have being added to the list during this period, then the Principal Agent and Contractor will agree on a revised completion date. Failing in achieving the revised date will result in penalties being applied.[B12.0]</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div>Fixed</div> <div>Item</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div>Value Related</div> <div>Item</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div>Time Related</div> <div>Item</div> </div> <div style="text-align: center; margin-top: 20px;"> <p>Carried to Collection</p> </div> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			
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22	<p>LATENT DEFECTS LIABILITY PERIOD</p> <p>Clause 22.0</p> <p>22.3.2 No Clause</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item		
23	<p>REVISION OF THE DATE FOR PRACTICAL COMPLETION</p> <p>Clause 23.0</p> <p>Ref Clause 6.7 [CD] – Clause 23.1</p> <p>Ref Clause 6.7 [CD] – Clause 23.2</p> <p>23.2.13 No Clause</p> <p>Replace Clause 23.3 with the following:</p> <p>Further circumstances that delays practical completion due to any other cause beyond the contractor's reasonable control that could not have reasonably been anticipated and provided for which the contractor may be entitled to a revision of the date for practical completion, with or without an adjustment of the contract value as determined by the Employer [6.7 CD]</p> <p>Ref Clause 6.7 [CD] - Clause 23.7</p> <p>Ref Clause 6.7 [CD] - Clause 23.8</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item		
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1</p> <p>Section 1 - Preliminaries</p> <p>Bill No 1 - Preliminaries</p> <p>PROVISIONAL BILL OF QUANTITIES</p> <p>BID NUMBER: NWDOH/PS/019/11</p>		R	

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24	<p>PENALTY FOR LATE OR NON-COMPLETION</p> <p>Clause 24.0</p> <p>Replace Clause 24.1 with the following: Where the contractor fails to bring the works, or a section thereof, to practical-, works-, or final- completion by the applicable completion date [CD], or the revised applicable completion date, the contractor shall be liable to the employer for the penalty [CD]</p> <p>Replace Clause 24.2 with the following: Where the employer elects to levy such penalty the employer, or the principal agent on instruction from the employer, shall give notice thereof to the contractor. The principal agent shall determine the penalty due from the later of the date for practical- works-, or final- completion [CD], or the revised date for practical- works-, or final- completion, up to and including the earlier of:</p> <p>Replace Clause 24.2.1 with the following: The actual or deemed date of practical- works-, or final- completion, of the works, or a section thereof [23.7.1]</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p> <p><u>PAYMENT (A25-A27)</u></p>			
25	<p>PAYMENT</p> <p>Clause 25.0</p> <p>Replace Clause 25.2 with the following: The principal agent shall issue at regular agreed intervals [CD] payment certificates, to the contractor with a copy to the employer, up to and including practical completion. Interim Payment certificates may be issued to the contractor between practical completion and the final payment certificate. A payment certificate may be for a nil or negative amount</p> <p>Add the following to Clause 25.3:</p> <p>25.3.12 Monthly Local content report,</p> <p>25.3.13 EPWP / NYS payment register, labour reports</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries</p> <p>PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		R	

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<p>and certified ID document of EPWP/ NYS beneficiaries, Contract between Contractor and EPWP/ NYS beneficiaries, attendance register. (if applicable)</p> <p>25.3.14 Tax Invoice</p> <p>25.3.15 Labour intensive report</p> <p>25.3.16 Contract participation goal reports</p> <p>25.5 No Clause</p> <p>Replace Clause 25.6 with the following: Materials and goods will only be certified and paid for upon providing proof of full payment to the supplier and proof of transfer of ownership from the supplier to the contractor by the contractor. Once paid, material and goods shall become the property of the employer and shall not be removed from site without the written authority of the Employer.</p> <p>25.7.5 No clause.</p> <p>Replace Clause 25.10 with the following: The employer shall pay the contractor the amount stipulated in an issued payment certificate, correct in all material respects, within thirty (30) calendar days from the date of receiving the payment certificate, invoice and all other substantiating documentation for items certified in the payment certificate</p> <p>Replace Clauses 25.12 to 25.12.3 with the following: The value certified shall be subject to the following percentage adjustments :</p> <p>(Clauses 25.12.1 to 25.12.5 shall be applicable to a contract sum up to R1 million. In the event of a contract sum more than R1 million for Options D & E (C 1.0 Securities [11.0]) Clauses 25.12.1 to 25.12.5 shall be applicable)</p> <p>25.12.1 Where a security is selected in terms of C 1.0 Securities [11.0], the value of the works in terms of 25.1 and of the materials and goods in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</p> <p>25.12.2 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>				
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<p>date of practical completion</p> <p>25.12.3 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion</p> <p>25.12.4 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 26</p> <p>25.12.5 One hundred per cent (100%) of such value in the final payment certificate in terms of 26 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate.</p> <p>(Clauses 25.12.6 to 25.12.10 shall be applicable to a contract sum more than R1 million for Option C (C 1.0 Securities [11.0])</p> <p>25.12.6 Where security is a payment reduction in term of C 1.0 Option C, value of the works in terms of 25.1 and materials and goods in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</p> <p>25.12.7 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>25.12.8 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion</p> <p>25.12.9 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 26</p> <p>25.12.10 One hundred per cent (100%) of such value in the final payment certificate in terms of 26 except were the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>				
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26	Fixed	Item			
	Value Related	Item			
	Time Related	Item			
	ADJUSTMENT TO CONTRACT VALUE				
	Clause 26.0				
	Ref Clause 6.7 [CD] – Clause 26.1				
	Omit Clause 26.4.3				
	Ref Clause 6.7 [CD] – Clause 26.7				
	Replace Clause 26.10 with the following: The principal agent shall prepare the final account in consultation with the employer and issue the final account, to the contractor within sixty (60) working days of the date of practical completion				
	Ref Clause 6.7 [CD] – Clause 26.12				
	Fixed	Item			
	Value Related	Item			
	Time Related	Item			
	Carried to Collection				
	Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11				

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28	<p><u>SUSPENSTION AND TERMINATION (A28-A29)</u></p> <p>SUSPENSION BY CONTRACTOR</p> <p>Clause 28.0</p> <p>28 No Clause 28.1 No Clause 28.1.1 No Clause 28.1.2 No Clause 28.1.3 No Clause 28.1.4 No Clause 28.1.5 No Clause 28.2 No Clause 28.3 No Clause 28.4 No Clause</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>			
	<p>29 TERMINATION</p> <p>Clause 29.0</p> <p>Add the following as Clause 29.1.4: The contractor's estate has been sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa</p> <p>Add the following as Clause 29.1.5: The contractor has engaged in corrupt or fraudulent practices in competing for or in executing the contract</p> <p>Add the following as Clause 29.1.6: Honour his obligations in terms of Clauses 10.1.5.1.3, 11.4.1 and 12.2. sub Clauses 5, 6, 8, 9, 10, 11, 12, 13, 15, 16, 19, 20, 22.</p> <p>Replace Clause 29.7 with the following: The employer, on notice to the contractor, may recover damages from the contractor from the date of termination including, but not limited to, additional costs incurred in the completion, consultant cost, rental of alternative accommodation, invitation of completion tenders, salaries of officials and safeguarding the site, of</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries</p> <p>PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		R	

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	<p>the remaining work [25.3.7; 27.1.3]</p> <p>Replace Clause 29.9 with the following: The employer has the right of recovery against the contractor, where applicable, [CD] from:</p> <p>The guarantee for construction (variable) until the final payment has been made;</p> <p>or</p> <p>The guarantee for construction (fixed) until the date of practical completion;</p> <p>or</p> <p>The payment reduction until the final payment is made;</p> <p>or</p> <p>The cash deposit made as security until the final payment is made</p> <p>29.14.1 No Clause</p> <p>29.14.3 No Clause</p> <p>29.14.4 No Clause</p> <p>29.14.5 No Clause</p> <p>29.14.6 No Clause</p> <p>29.14.7 No Clause</p> <p>29.15 No Clause</p> <p>29.16 No Clause</p> <p>29.17.3 No Clause</p> <p>29.17.6 No Clause</p> <p>29.21.5 No Clause</p> <p>29.22 No Clause</p> <p>29.23 No Clause</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>				
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30	<p><u>DISPUTE RESOLUTIONS (A30)</u></p> <p>DISPUTE AND RESOLUTIONS</p> <p>Clause 30.0</p> <p>Replace Clause 30.2 with the following: Where such disagreement is not resolved within ten (10) working days of receipt of such notice it shall be deemed to be a dispute and shall be submitted to Mediation as a first method of dispute resolution failing which the parties will resort to Litigation</p> <p>30.3 to 30.7.7 No Clauses</p> <p>Replace Clause 30.8 with the following: The parties may, by agreement and at any time before Litigation, refer a dispute to mediation, in which event:</p> <p>30.8.1 No Clause</p> <p>Replace Clause 30.8.2 with the following: The appointment of a mediator, the procedure, and the status of the outcome shall be agreed between the parties</p> <p>Replace Clause 30.8.3 with the following: Regardless of the outcome of a mediation the parties shall bear their own costs concerning the Mediation and equally share the costs of the mediator and related expenses</p> <p>Replace Clause 30.9 with the following: Institution of Litigation shall be commenced and process served within three (3) year from the date of existence of the dispute, failing which the dispute shall lapse</p> <p>30.10 No Clause</p> <p>30.12 No Clause</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p> <p><u>SECTION B: PRELIMINARIES</u></p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries</p> <p>PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			
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<u>Definition and interpretation (B1)</u>					
31	Definition and interpretation				
	Fixed	Item			
	Value Related	Item			
	Time Related	Item			
32	Interpretation				
	Fixed	Item			
	Value Related	Item			
	Time Related	Item			
<u>Documents (B2)</u>					
33	Checking of documents (B2.1)				
	Fixed	Item			
	Value Related	Item			
	Time Related	Item			
34	Provisional bills of quantities (B2.2)				
	Fixed	Item			
	Value Related	Item			
	Time Related	Item			
35	Availability of construction information (B2.3)				
	Fixed	Item			
	Value Related	Item			
	Time Related	Item			
36	Ordering of materials and goods				
	Fixed	Item			
Carried to Collection				R	
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	Value Related	Item		
	Time Related	Item		
	<u>Previous Works and Adjoining Properties (B3)</u>			
37	Previous work - dimensional accuracy (B3.1)			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
38	Previous work - defects (B3.2)			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
39	Inspection of the adjoining properties (B3.3)			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
	<u>The site (B4)</u>			
40	Handing over of site in stages (B4.1)			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
41	Enclosure of the works (B4.2)			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
	Carried to Collection		R	
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42	Geotechnical and other investigation (B4.3)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
43	Encroachments (B4.4)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
44	Existing premises occupied (B4.5)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
45	Services - known (B3.7)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
	<u>Management of the works (B5)</u>				
46	Management of the works (B5.1)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
47	Progress Meetings (B5.2)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
	Carried to Collection			R	
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48	Technical meetings (B5.3)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
	<u>Samples, shop drawings and manufacturer's instructions (B5)</u>				
49	Samples of materials (6.1)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
50	Workmanship samples (B6.2)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
51	Shop drawings (B6.3)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
52	Compliance with manufacturer's instructions (B6.4)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
	<u>Deposits and Fees (B7)</u>				
53	Deposits and fees (B7.1)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
	Carried to Collection			R	
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	<u>Temporary services (B8)</u>				
54	Water (B8.1)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
55	Electricity (B8.2)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
56	Ablution facilities (B8.3)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
57	Communication facilities (B8.4)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
	<u>Prime cost amounts (B9.1)</u>				
58	Responsibility for prime cost amounts (B9.1)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
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59	<u>Attendance on subcontractors (B10)</u>			
	General attendance (B10.1)			
	The contractor shall at his own expense provide the following general attendance on the subcontractors :			
	Access to the site and places where the subcontract work is to be carried out, including the reasonable use of any temporary personnel hoists erected by the contractor .			
	The provision of water and lighting and single phase electric power to a position within 50 metres of the place where the subcontract work is to be carried out but excluding water, fuel and power for commissioning of any installation.			
	The provision of an area for the subcontractor to establish temporary office accommodation and workshops and for the storage of plant and materials			
	The use of erected scaffolding belonging to the contractor , in common with others having the like right, while it remains erected on the site .			
	The use, at reasonable times by arrangement of the contractor's erected hoisting equipment.			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
	60 Special attendance (B10.2)			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
61	<u>General (B11)</u>			
	Protection of works (B11.1)			
	Fixed	Item		
	Value Related	Item		
	Carried to Collection		R	
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		Value Related	Item		
		Time Related	Item		
68	Vermin (B11.8)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
69	Overhand work (B11.9)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
70	Tenant installations (B11.10)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
71	Advertising (B11.11)	Fixed	Item		
		Value Related	Item		
		Time Related	Item		
<u>SECTION C: SPECIFIC PRELIMINARIES</u>					
<p>Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item</p>					
Carried to Collection				R	
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72	<p>Clause C1 - Contract drawings</p> <p>* Select relevant paragraph and delete whichever is not applicable depending on whether the contract is based on a bills of quantities or lump sum document.</p> <p>* The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed.</p> <p>* A full set of drawings is issued with the tender documents indicating the full scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed.</p> <p>Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent.</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>			
73	<p>Clause C2 - Preambles</p> <p>The document "Construction Works: Specifications: General Specification (PW371-A) Edition 2.1" is obtainable on the Department's website (http://www.publicworks.gov.za/ under "Consultants Guidelines"), and shall be read in conjunction with the bills of quantities / lump sum document and be referred to for the full descriptions of work to be done and materials to be used.</p> <p>The document "Construction Works: Specifications: Particular Specification (PW371-B) Edition 2.2" is issued together with the drawings and shall be read in conjunction with the drawings and the bills of quantities / lump sum document.</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			

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74	Clause C3 - Trade Names Wherever a trade name for any product has been described in the bills of quantities / lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for.			
	Fixed	Item		
	Value Related	Item		
	Time Related	Item		
75	Clause C4 - Imported Materials Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment DPW-23(EC) to be completed by tenderer). Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)			
	Fixed	Item		
	Value Related	Item		
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76	Clause C5 - Viewing the site in security areas The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes. <div style="text-align: right;">Fixed</div> <div style="text-align: right;">Value Related</div> <div style="text-align: right;">Time Related</div>	Item			
	Clause C6 - Commencement of work in security areas As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works . Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account <div style="text-align: right;">Fixed</div> <div style="text-align: right;">Value Related</div> <div style="text-align: right;">Time Related</div>	Item			
	Clause C7 - Entrance permits to security areas As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer. <div style="text-align: right;">Fixed</div> <div style="text-align: right;">Value Related</div> <div style="text-align: right;">Time Related</div>	Item			
	<div style="text-align: right;">Carried to Collection</div> Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11		R		

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79	<p>Clause C8 - Security Check or Personnel</p> <p>The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified.</p> <p>In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works.</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>			
80	<p>Clause C9 - Prohibition of taking photographs</p> <p>In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister.</p> <p>The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>			
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		R	

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81	<p>Clause C10 - HIV/AIDS AWARENNES</p> <p>It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained.</p> <p>The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of Clause A 25.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>			
82	<p>Clause C10.1 - Awareness Champion</p> <p>Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		R	

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83	<p>Clause C10.2 - Awareness Workshop</p> <p>Selection and appointment of a competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item			
84	<p>Clause C10.3 - Posters, booklets, videos, etc.</p> <p>Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item			
85	<p>Clause C10.4 - Access to Condoms</p> <p>Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item			
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86	<p>Clause C10.5- Monitoring</p> <p>Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Value Related</p> <p style="text-align: right;">Time Related</p>	Item		
87	<p>Clause C11 - Occupational Health Safety</p> <p>The contractor shall comply with all the requirements as set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).</p> <p>It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document.</p> <p>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of Clause A25.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.</p> <p>Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.</p> <p style="text-align: right;">Fixed</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Section 1 - Preliminaries Bill No 1 - Preliminaries PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>	Item	R	

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	Value Related	Item		
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88	<p>Clause C12 - EMPLOYMENT AND TRAINING OF YOUTH WORKERS ON THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP) INFRASTRUCTURE PROJECTS: NATIONAL YOUTH SERVICE (NYS)</p> <p>The contractor shall comply with all the requirements as set out in the "Additional Specification SL: Employment and Training of Youth Workers on the Expanded Public Works Programme (EPWP) Infrastructure Projects: National Youth Service (NYS)" as attached to these bills of quantities / lump sum document.</p> <p>The contractor shall identify a minimum number of youth workers from a priority list, and shall employ them at the statutory labour rates for a minimum period and train them, all as per the aforementioned specification and as elsewhere measured in these bills of quantities / lump sum document.</p> <p>The contractor shall liaise and co-ordinate with the employer and the EPWP Training Service Provider with regard to the priority list, the selection of youth workers, and the employment and training of the identified youth workers.</p> <p>The contractor shall avail the services of an adequately qualified foreman specifically for the EPWP-NYS youth workers, to act as their construction supervisor. The foreman will be responsible for continually monitoring the progress of the youth workers and for addressing questions and issues that may arise from the youth workers.</p> <p>Separate items which will be subject to remeasurement have been included elsewhere in these bills of quantities / lump sum document to cover the direct costs associated with the employment and training of the youth workers. Any additional requirements in respect of the aforementioned specification are deemed to be priced hereunder and no additional claims in this regard shall be entertained,</p> <p style="text-align: right;">Fixed</p>			
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89	Value Related	Item		
	Time Related	Item		
	Clause C13 - IMPLEMENTATION OF LABOUR-INTENSIVE INFRASTRUCTURE PROJECTS UNDER THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP)			
	The contractor shall comply with all the requirements of the "Code of Good Practice for Employment and Conditions of Work for Special Public Works Programmes" issued in terms of the "Basic Conditions of Employment Act, 1997 (Act No 75 of 1997)" and the related "Ministerial Determination", for the employment of locally employed temporary workers on a labour-intensive infrastructure project under the Expanded Public Works Programme (EPWP).			
	The contractor shall maintain daily records with regard to the workers employed and shall, on a monthly basis, submit a report to the principal agent in the prescribed format. Compulsory indicators such as the project budget, actual project expenditure, number of job opportunities created, demographic characteristics of workers employed, minimum daily wage rate, number of person-days of employment created and number of training person-days, shall be included in said report, all as defined in the "Guidelines for the Implementation of Labour-Intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP)".			
	Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.			
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Item No		Quantity	Rate	Amount
	<p><u>SECTION NO 2</u> <u>BILL NO. 1</u></p> <p><u>DEMOLITIONS</u></p> <p><u>(WORK GROUP 102)</u></p> <p><u>PREAMBLES</u>For preambles refer to <u>"Department of Public Works: Specification of Materials and Method to be used - PW371"</u></p>			
	<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Allow for the following requirements to the satisfaction of the Principal Agent</u></p> <p><u>Site visit</u></p> <p>Tenderers are to visit and view the site and existng structures to be demolished to thoroughly acquaint themselves with the nature of demolitions, the nature and extent of the work and the conditions under which the works are to be done</p> <p><u>Existing structures</u></p> <p>In taking down and removing existing work, the utmost care shall be observed to prevent any structural or other damage to the adjoining buildings and the Contractor shall provide all shoring, needling, strutting, etc. to ensure the stability of all structures during the alteration work. Any damage, deforming and/or defaced to the structure and/or building as well as the rectification of same will be for the Contracor's account.</p>			
	Carried to Collection		R	
	<p>Section No. 2 Section 2 - Builders' Work Bill No 1 - Alterations</p> <p>PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			

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	<p><u>Existing Services</u></p> <p>Special care shall be exercised during the progress of the work to ensure that electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice shall be given to the Representative Agent if any disconnection or alterations become necessary. Any damage to such services shall be to the contractors account</p> <p><u>Dust and noise</u></p> <p>The Contractor is to take all necessary precautions, to minimise noise levels and frequently watering of the works to minimise any nuisance from dust and to ensure the least interference with the general routine of the occupants and operation of the premises including all necessary labour, materials, etc. for so doing and</p> <p><u>Disposal of debris</u></p> <p>The Contractor shall be responsible for the regular cleaning away all rubble, debris, rubbish, unusable materials, etc. as the work proceeds and for leaving the works in a clean and satisfactory state upon completion suitable for use and occupation, including all necessary labour, materials or plant, etc. for so doing</p> <p><u>Old materials</u></p> <p>Old materials from the alterations, except where described shall remain the property of the client.</p> <p><u>Old materials to be carted away</u></p> <p>Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, etc. must regularly be carted away from site and not be allowed to accumulate on or around the site.</p>			
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 Section 2 - Builders' Work Bill No 1 - Alterations PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		R	

	<p><u>Handing over of materials</u></p> <p>Where certain materials or articles from demolitions or alterations are described as to be handed over by the Contractor to the Representative/ Agent, such materials or articles shall be properly stored by the Contractor until handing over thereof. The Contractor must obtain an official receipt listing materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Client for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p> <p><u>Temporary support to openings through existing walls</u></p> <p>Making openings, altering openings in existing walls and removing lintols above existing openings shall be done with the utmost care to prevent any structural damage. All necessary supports, propping, shoring, needling strutting, turning pieces, etc. to wall openings is deemed to be included in the Contractor's rates.</p> <p><u>Electrical And Mechanical</u></p> <p>Where items include for taking down electrical and mechanical fittings the disconnection and making safe electrically is deemed to be included. Contractor to note items with barcodes (asset numbers) cannot be removed without prior arrangement with authorities</p> <p>NOTE:-</p> <p>Contractor to note that items with barcodes, cannot be dosposed or removed from site prior to arranging with Hospital Authorities</p>			
	<p style="text-align: right;">Carried to Collection</p>		R	
	<p>Section No. 2 Section 2 - Builders' Work Bill No 1 - Alterations PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			

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<u>TEMPORARY BARRIERS, SCREENS, ETC</u>					
<u>Temporary barriers, screens, etc including removal on completion (LI)</u>					
1	Supply, erect, alter as necessary, maintain all necessary suitable hoardings approximately 2,7m high complete with temporary tarpaulins, fencing, safety screens, barriers, guard railing, access gates, etc. as necessary during the progress of the works and the protection of the occupants of the premises, including all necessary labour, materials, etc for so doing and remove same upon completion when so directed.	m	524.00		
<u>REMOVAL OF EXISTING WORK (LI)</u>					
<u>NOTE: All materials from demolitions/excavations marked from carting away shall be cart at designated Municipal dumping site and proof of dumping to be submitted to the Safety / Enviromental officer</u>					
<u>Taking up and removing vinyl tiles/sheeting floor coverings, ceramic tiles, concrete tiles, carpeting, etc (LI)</u>					
2	Floor tiles including preparing floor to receive new floor finish (elsewhere measured)	m2	206		
3	Vinyl tile/sheeting floor covering including preparing screed for new floor covering (elsewhere)	m2	576		
<u>Hacking up/off and removing ceramic tile wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new plaster or tile finishes (LI)</u>					
4	Wall Ceramic tiles splashback	m2	67		
<u>Taking up and removing paint and prepare surfaces to receive new paint (elsewhere measured) (LI)</u>					
5	Remove defective plaster from walls, open cracks and prepare to receive new plaster (elsewhere measured)	m2	636		
6	Chasing walls 50mm wide	m	318		
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	<u>Remove loose paint by scraping, grinding and clean existing wall substrate plater with suger soap powder and fill all indents with polycell Polyfilla. Sand smooth when dry (Elsewhere measured) and cart away all materials arising (LI)</u>				
7	Internal walls	m2	568		
8	Remove paint from wall and prepare to receive vinyl sheeting	m2	42		
	<u>Taking out and removing doors, windows, etc from half brick wall to be demolished and making good of surfaces where removed.</u>				
9	Single door.	No	6		
	<u>Taking out and removing doors, windows, and accessories and making good of surfaces where removed.</u>				
10	Remove weather seal/strip (915mm) fixed to inside of door and refit to the outside of the door leaf	No	29		
11	Remove existing door closer form door and make good to frame	No	2		
12	Remove and re-hang aluminium door size 900 x 2032 mm to align with frame	No	6		
13	Fix and make good damaged area on solid core flush panel door	No	9		
14	Clean and service existing flat friction stays to open and close smoothly	No	84		
	<u>Breaking down and removing brickwork etc. and making good of surfaces where removed.</u>				
15	One brick wall	m2	15		
16	Remove existing paving bricks, lower earth lever and reinstall paving.	m2	65		
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<u>Taking out and removing brick built in cupboards, kitchen units, tops, etc (LI) and other carpentry works</u>				
17	Counter table 1800mm long x 600mm wide x 880mm high	No	1	
<u>Taking out and removing sanitary fittings and making good of surfaces where removed.</u>				
18	Single bowl sink size 900x535mm including fittings, pipes, etc.	No	2	
19	Reposition existing slophopper to new height	No	4	
20	Carefully take out and remove WC including fittings, pipes, etc.	No	5	
21	Carefully take out and remove WHB including fittings, pipes, etc.	No	1	
22	Carefully take out shower tray	No	4	
23	Remove concealed gutter and inspect waterproofing membrane for damage and make good to all trades and re-nail to rafter	m	118	
24	Remove Hydroboil and install to new position	No	1	
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc as per Building Regulation and making good of surfaces where removed.</u>				
25	Clay/Concrete roof tiles and set aside for re-use	m2	179	
26	Carefully remove gypsum plaster board ceiling	m2	168	
27	Skim cracked ceiling and repaint (elsewhere measured)	m2	248	
<u>Cleaning of Walls</u>				
28	Removing stains of face brick and painted walls with approved cleaning agent.	m2	824	
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Section No. 2 Section 2 - Builders' Work Bill No 1 - Alterations PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11				

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<div>29</div>	<div>Miscellaneous Items</div> <div> <p>Provide the sum of R800 000.00 (Eight Hundred Thousand Rands Only) for miscellaneous items to be used at the discretion of the Employer and be deducted in whole or in part if not required.</p> </div> <div> <p>Carried to Collection</p> </div> <div> <p>Section No. 2 Section 2 - Builders' Work Bill No 1 - Alterations PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p> </div>		<div>SUM</div> <div>R</div>	
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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
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Section No. 2				
Bill No. 1				
Bill No 1 - Alterations				
<u>COLLECTION</u>				
	Page No		Amount	
Total Brought Forward from Page No.	58			
Total Brought Forward from Page No.	59			
Total Brought Forward from Page No.	60			
Total Brought Forward from Page No.	61			
Total Brought Forward from Page No.	62			
Total Brought Forward from Page No.	63			
Total Brought Forward from Page No.	64			
Total Brought Forward from Page No.				

Carried Forward to Summary of Section No. 2

R

Section No. 2
Section 2 - Builders' Work
Bill No 1 - Alterations
PROVISIONAL BILL OF QUANTITIES
BID NUMBER: NWDOH/PS/019/11

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

Item No	Quantity	Rate	Amount
<p><u>SECTION NO 2</u> <u>BILL NO. 2</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p><u>(WORK GROUP 104)</u></p> <p>PREAMBLESFor preambles refer to "Department of Public Works: Specification of Materials and Method to be used - PW371"</p>			
<p><u>NOTE</u></p> <p>All prices/rates to be net, excluding Value Added Tax</p> <p><u>SOIL POISONING</u></p> <p><u>Approved insecticide solutions shall be mixed on site in the presence of clerk of works/engineer/principal agent in strict accordance with the manufacturers/suppliers specifications</u></p> <p><u>Soil insecticide under a 5 year guarantee by an approved firm of registered specialists</u></p>			
1	Inject soil insecticide to all buildings	No 114	
<p><u>Weedkiller, "Hyvar X' or other approved by a firm of specialist</u></p>			
2	Over paving etc	m2 3 000	
<p>Carried Forward to Summary of Section No. 2</p> <p>Section No. 2 Section 2 - Builders' Work Bill No.2 -Earthworks PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			R

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
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Item No		Quantity	Rate	Amount	
	<p><u>SECTION NO 2</u> <u>BILL NO. 3</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>(WORK GROUP 110)</u></p> <p><u>PREAMBLES</u>For preambles refer to <u>"Department of Public Works: Specification of Materials and Method to be used - PW371"</u></p> <p><u>NOTE</u></p> <p>All prices/rates to be net, excluding Value Added Tax</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 Section 2 - Builders' Work Bill No.3 - Concrete PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>				
			R		

	<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Concrete test cubes</u></p> <p>Descriptions and tendered rates for concrete strength test cubes, as required under clause 7, "Tests" of SABS 1200 G, shall be deemed to cater for all the cost of providing cube moulds necessary for the purpose, making, storing and sending thereof to an approved laboratory for testing, paying all charges in connection therewith and for submitting test results to Principal Agent</p> <p>All concrete strength test cubes, each 150 x 150 x 150mm shall be prepared in a set of three</p> <p>It will be required from the contractor to prepare concrete strength test cube sets for each section (radiology, dental etc) at the following minimum frequencies:</p> <ul style="list-style-type: none"> - One set of three cubes for every 20m³, or part thereof, of concrete cast per day, <li style="text-align: center;">or - One set of three cubes for each batch of concrete cast per event as directed by the Clerk Of Works. <p>All concrete strength test cubes shall be done on site regardless of ready mix and shall be labelled and the identity thereof (ie. date, concrete strength type, position where batch was cast relative to the area and section identity) shall be properly recorded for future reference.</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 Section 2 - Builders' Work Bill No.3 - Concrete PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			
			R	

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

	<p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent") for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and reconditioning as necessary before re-use</p> <p>The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself</p> <p>Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the Principal Agent for design reasons. Formwork necessitated by irregularities or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision which is made for in "Earthworks"</p>				
1	<p><u>Test Blocks (Provisional)</u></p> <p>Making of 150 x 150 x 150mm concrete strength test cube in sets of three, label and send to an approved laboratory for testing, including paying all charges and submit report to the Principal agent. (only successful tests will be paid for)</p> <p style="text-align: right;">Sets</p>	1			
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 Section 2 - Builders' Work Bill No.3 - Concrete</p> <p>PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		R		

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

<u>MASS CONCRETE</u>					
<u>Unreinforced concrete cast against excavated surfaces</u>					
<u>15MPa/19mm concrete</u>					
2	Surface blinding under strip footing and column bases	m3	1		
<u>Unreinforced concrete vertically to foundation walls</u>					
<u>25MPa/19mm concrete</u>					
3	Cast against excavated surfaces	m3	1		
4	180 x 70mm channel	m3	6		
5	460 x 70mm flat top concrete coping with dpc under	m3	10		
<u>30MPa/19mm concrete</u>					
6	100 x 80mm Cast In-Situ concrete edge beam	m3	1		
<u>PRE-CAST CONCRETE</u>					
<u>Concrete kerbing</u>					
7	Kerb (SABS 927 fig 3) 150 x 300mm high with 260 x 260 x 50mm unreinforced concrete haunching at the back of each joint including excavation, backfilling, etc.	m	120.00		
<u>200 x 100 x 80mm interlocking concrete pavers with kerbstones on DPM on bedding sand on compacted and levelled ground with weed killer (elsewhere).</u>					
8	60mm Interlocking concrete paving blocks on 25mm sand (elsewhere measured)	m2	332		
Carried to Collection				R	
Section No. 2 Section 2 - Builders' Work Bill No.3 - Concrete PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11					

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
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<u>SUNDRIES</u>					
<u>Finishing surfaces of concrete smooth with a woodfloat</u>					
9	Surface beds, slabs, etc	m2	12		
10	Aprons, slabs, etc	m2	4		
<u>MOVEMENT JOINTS ETC</u>					
<u>Isolation joints</u>					
11	10mm isolation joints with polystyrene inbetween and poly sealant to structural structural engineers specification	m	1		
<u>Movement joints</u>					
12	Movement joint formed of 15mm bitumen impregnated softboard not exceeding 300mm high built in vertically between brickwork and concrete and sealed with polysulphide sealing compound externally	m	5		
<u>Expansion joints</u>					
13	Movement joint not exceeding 300mm high formed of 20mm polystyrene placed vertically in position between concrete surfaces including approved sealant	m	2		
<u>Saw cut joints including polysulphide sealing compound</u>					
14	6 x 10mm Saw cut joints in top of concrete	m	1		
15	6 x 40mm SAW-CUT clean out and seal with approved sealant	m	18		
Carried to Collection				R	
Section No. 2 Section 2 - Builders' Work Bill No.3 - Concrete PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11					

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO 2</u> <u>BILL NO. 4</u></p> <p><u>MASONRY</u></p> <p><u>(WORK GROUP 118)</u></p> <p><u>PREAMBLES</u>For preambles refer to <u>"Department of Public Works: Specification of Materials and Method to be used - PW371"</u></p> <p><u>NOTE</u></p> <p>All prices/rates to be net, excluding Value Added Tax</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Wall ties</u></p> <p>Descriptions and rates for cavity walls specified to include wire ties shall, unless otherwise specified, be deemed to include at least five metal wire ties, evenly spaced, per square metre brickwork. Metal wall ties shall:</p> <ul style="list-style-type: none"> - Comply with SABS 28 and of the butterfly or the modified PWD type - Of suitable lengths to ensure that ends are built at least 75mm deep into brickwork. 			
	Carried to Collection		R	
	<p>Section No. 2 Section 2 - Builders' Work Bill No 4 - Masonry</p> <p>PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
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	<p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour. Contractor to verify size uniformity prior to laying</p> <p><u>Pointing</u></p> <p>Description of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p>				
	<p><u>SUPERSTRUCTURE</u></p> <p><u>Brickwork of NFP bricks (7 MPa nominal compressive strength) in class II mortar</u></p>				
	1 One brick walls m2	20			
	<p><u>SUNDRIES</u></p> <p><u>Brick reinforcement in superstructure</u></p>				
	2 Brick reinforcement 150mm wide built into brick walls with sufficient laps at end joints, angles and intersections (measured net) m	35			
	<p><u>FACE BRICKWORK</u></p> <p><u>Equal and approved by the Principal Agent facebricks to match existing (PC R6500/1000 bricks including delivery to site but excluding VAT) pointed with recessed horizontal and vertical joints</u></p>				
	3 Extra over half brick walls m2	13			
	4 Extra over one brick wall m2	35			
	5 One brickwall pointed on both sides. m2	20			
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 Section 2 - Builders' Work Bill No 4 - Masonry PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			R	

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

Item No	Quantity	Rate	Amount
<p><u>SECTION NO 2</u> <u>BILL NO. 5</u></p> <p><u>WATERPROOFING</u></p> <p><u>(WORK GROUP 120)</u></p> <p><u>PREAMBLES</u>For preambles refer to <u>"Department of Public Works: Specification of Materials and Method to be used - PW371"</u></p> <p><u>DAMPPROOFING OF WALLS AND FLOORS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Waterproofing to flat concrete roofs shall be installed by an approved firm of "Specialist Contractor" under a "<u>ten year guarantee</u>" all in accordance with the materials supplied and methods employed by Manufacturers</p>			
<p><u>DAMP-PROOFING OF WALLS AND FLOORS</u></p> <p><u>One layer of type 375 micron Consol Plastics Brikgrip DPC or similar and approved by the Principal Agent embossed damp proof course</u></p>			
1	In walls m2	65	
<p><u>One layer of 250 micron USB green medium density waterproof sheeting sealed at laps with pressure sensitive tape all in accordance with the Manufacturer's instruction</u></p>			
2	Medium density damp-proof membrane laid loose on top of sand bed (elsewhere) under solid floors with pressure sensitive tape jointing in building m2	30	
<p style="text-align: right;">Carried to Collection</p>			R
<p>Section No. 2 Section 2 - Builders' Work Bill No 5 - Waterproofing PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
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<u>JOINT SEALANTS ETC</u>					
<u>Silicone sealing compound including backing cord, bond breaker, primer, etc</u>					
3	Between timber fittings and plastered walls	m	155		
4	Between sanitary fittings and wall tiles	m	186		
5	Around door/window frame	m	163		
<u>Natural grey polysulphide sealing compound</u>					
6	20mm Deep in Expansion joints	m	187		
<u>WATERPROOFING TO ROOFS</u>					
<u>4mm "torch-on" waterproofing membrane, with 75mm side and 100mm end laps,sealed to bitumen primed surface to falls and crossfalls by 'torchfusion' finished and fully bonded including finishing with two coats bituminous aluminium protective paint</u>					
7	On screeded flat floors to slight fall to outlet not exceeding 10 degrees from the horizontal	m2	164		
8	On tops and sides of inverted beams	m2	5		
9	Test for leaks in waterproofing by tanking in water to level of approx. 300mm for a period of 3 consecutive days	m2	629		
Carried to Collection				R	
Section No. 2 Section 2 - Builders' Work Bill No 5 - Waterproofing PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11					

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Item No	Quantity	Rate	Amount
<p><u>SECTION NO 2</u> <u>BILL NO. 6</u></p> <p><u>ROOF COVERING</u></p> <p><u>(WORK GROUP 124)</u></p> <p><u>PREAMBLES</u>For preambles refer to <u>"Department of Public Works: Specification of Materials and Method to be used - PW371"</u></p> <p><u>NOTE</u></p> <p>All prices/rates to be net, excluding Value Added Tax</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>General</p> <p>All roof coverings, etc., to be with a covering of Z275 galvanising. All holes to be drilled and not punched</p> <p>Sizes</p> <p>All items are measured net unless otherwise described</p> <p>Flashing, trimming plates, etc</p> <p>Prices to include for all cutting and waste and relevant fixing material, unless otherwise described</p> <p>All rates for flashings, trimmings, etc., to include for forming drips and closed ends to troughs of sheet roof covering where applicable</p>			
<p style="text-align: right;">Carried to Collection</p>			
<p>Section No. 2 Section 2 - Builders' Work Bill No 6 - Roof Covering PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			

<u>ROOF COVERINGS AND ACCESSORIES</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>"Klip-lok Products" or similar and approved by the Principal Agent</u>				
<p>Klip-Lok products to be all galvanised and installed strictly to manufacturer's specifications but colours to be to the Architect's approval</p>				
<p><u>Global roofing solutions 0.58mm thick 700mm cover Klip-lok profile Chromadek Z200 spelter ISQ550 Darl dolphin finish top coat and Pebble Grey backing coat roof sheeting, fixed to steel intermediate purlins at MAX 2500mm centres and eaves and ridge purlins at MAX 2100mm centres using KL700 plus clips fixed with 10No.16 x 16mm long self drilling water head PH2 screws, No. 3 drill point fasteners and including all accessories; lipped 100 x 52 x2mm thick purlins to engineers detail, IPE 220 x 110mm IPE beam to match existing and IPE 160 x 82mm IPE beam to egineers detail all in accordance with the manufactures specifications.</u></p>				
1	Roof covering	m2	145	
<u>TILES</u>				
<p><u>Clay roof tiles laid on an 400-micron marley (or equal approved) undertile membrane with joints lapped 150mm fixed over batterns and trusses.</u></p>				
2	Clay/Concrete Double Roman Roof Tiles	m2	104	
3	Install previously removed and set aside clay/concrete roof tiles	m2	50	
<u>INSPECT ROOF FOR LEAKS</u>				
4	Check roof for leaks	m2	2 636	
<p style="text-align: right;">Carried to Collection</p>				R
<p>Section No. 2 Section 2 - Builders' Work Bill No 6 - Roof Covering PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>				

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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO 2</u> <u>BILL NO. 7</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>(WORK GROUP 126)</u></p> <p><u>PREAMBLES</u>For preambles refer to <u>"Department of Public Works: Specification of Materials and Method to be used - PW371"</u></p> <p><u>NOTE</u></p> <p>All prices/rates to be net, excluding Value Added Tax</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Fixing</p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at maximum 600mm centres, and where described as "bolted" the bolts have been given elsewhere</p> <p>Sealing of all abutments</p> <p>All cupboards, counter tops, shelves, etc. abutting walls, tiled surfaces, etc. to be sealed watertight with an approved silicon sealant along all joints</p> <p>Unless described, tendered rates must make provision for this as no additional claims in this regard will afterwards be entertained</p>			
	Carried to Collection		R	
	<p>Section No. 2 Section 2 - Builders' Work Bill No 7 - Carpentry and Joinery PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

	<u>ROOFS</u>				
	<u>Sawn softwood</u>				
1	50 x 76mm Purlins	m	155		
	<u>EAVES, VERGES, ETC</u>				
	<u>"Everite Nutec" or equal approved fibre cement</u>				
2	Securely fix fascia existing board to timber rafters	m	180		
3	12 x 225mm Fascia board drilled and brass screwed to rafter feet including galvanised steel H-profile jointing strips, etc.	m	150		
4	85 x 275 x 6mm Barge board drilled and brass screwed to purlin ends including galvanised steel H-profile jointing strips, screws, holes, etc.	m	111		
	<u>SKIRTINGS and CORNICE</u>				
	<u>Meranti cornice</u>				
5	19x50mm Meranti cornice fixed upside down against wall and finished with a 19mm quadrant	m	645		
	<u>DOORS, ETC</u>				
	<u>NOTE:</u>				
	All framed and ledged batten doors and combination doors, where battens are utilised, shall only be of construction acceptable to the Department, i.e. mortice and tennon where the tennon is exposed on the outside edges of styles and where the tennon is wedged to form a dovetailed shape.				
	Paint backs of subframes one coat wood primer before building in all timber frame				
	<u>HARDWOOD DOORS, ETC</u>				
	Carried to Collection				
	Section No. 2				
	Section 2 - Builders' Work				
	Bill No 7 - Carpentry and Joinery				
	PROVISIONAL BILL OF QUANTITIES				
	BID NUMBER: NWDOH/PS/019/11				

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

	<u>Meranti framed, ledged, braced and battened door, formed of 110 x 44mm sides, 110 x 44mm top rail, 110 x 22mm middle rail, top and bottom brace and 220 x 44mm bottom rail, all filled in with 63mm tongue and grove slats and 3mm hardwood backing board</u>				
6	44mm Single door 900 x 2100mm high with 275mm high fanlight, hardwood flushback door with rebated meeting stiles.(D5)	No	1		
7	44mm Rebated double door size 1200 x 2100mm high overall, in two unequal leaves, one each leaf size 857 x 2100mm high and the other 343 x 2100mm high.(D10)	No	1		
8	44mm Door size 900 x 2032mm high	No	3		
	<u>SOLID DOORS, ETC</u>				
	<u>Solid particleboard core: stile and rail frame bonded to particleboard core with wood lock blocks 7 ply construction . Supplied with hardwood edges strips post lipped. SABS certified to standard SANS 545 & ISO 9001:2008</u>				
9	40mm thick 813 x 2032mm high Solid particleboard core single door leaf.	No	3		
	<u>SEMI-SOLID DOORS, ETC</u>				
	<u>Pelican Systems JUMBO or equal approved heavy duty flush panel single leaf solid core timber door with Oak veneer finish to both sides with veneer over edge.</u>				
10	40mm Double door size 826 x 2032mm high overall. d3	No	4		
11	40mm Single door size 880 x 2032mm high overall. d5	No	4		
	Carried to Collection				
	Section No. 2 Section 2 - Builders' Work Bill No 7 - Carpentry and Joinery PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11				

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COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

Item No		Quantity	Rate	Amount	
	<p><u>SECTION NO 2</u> <u>BILL NO. 8</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>(WORK GROUP 129)</u></p> <p><u>PREAMBLES</u>For preambles refer to <u>"Department of Public Works: Specification of Materials and Method to be used - PW371"</u></p> <p><u>NOTE</u></p> <p>All prices/rates to be net, excluding Value Added Tax</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 Section 2 - Builders' Work Bill No 8 - Ceilings, Partitions and access flooring PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>				
			R		

<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Fixing</p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at maximum 600mm centres, and where described as "bolted" the bolts have been given elsewhere</p> <p>Ceilings</p> <p>Unless otherwise described, ceilings shall be deemed to be horizontal</p> <p>Suspended ceilings, bulkheads, etc</p> <p>All suspended ceilings, bulkheads, etc. shall be installed by an approved firm of specialists, all in accordance with the materials supplied and methods employed by Manufacturer</p> <p>Proprietary suspended ceilings</p> <p>Hangers, suspension grids, "lay-in" panels, etc. of suspended ceilings, bulkheads, etc are to be in accordance with the Manufacturers recommendation</p> <p>Bulkheads</p> <p>Bulkhead are defined as those portions of ceilings which are stepped vertically down or up from the general ceiling level and which generally occur along the perimeter of a room or area</p> <p>Bulkheads have only been described as such where they conform to the above defination and where the horizontal or vertical dimensions do not exceed 900mm. Where these dimensions do exceed 900mm, such portions of ceilings have been included in the appropriate general items of ceilings</p> <p>Unless otherwise described, bulkheads shall be deemed to be horizontal along the length</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 Section 2 - Builders' Work Bill No 8 - Ceilings, Partitions and access flooring PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		R		

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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<u>CEILINGS, ETC</u>					
<u>NAILED UP CEILINGS</u>					
<u>Note:</u>					
The tenderer shall make allowance in the ceilings for electrical light fittings, diffusers, panels, etc and for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)					
Tenderers are advised to make allowance in their prices for ceiling subframes where required					
<u>Skimmed Gypsum Plasterboard</u>					
2	9.4mm skimmed Gypsum Rhinoboard ceiling boards with joints tapered and skimmed smooth with minimum 3mm Gypsum Rhinolite skimming plaster, painted with paster primer and two coats "Plascon Polvin" (or equal and approved) super acrylic pva paint (em) to manufactures detail and specifications. Paint colour white	m2	36		
<u>Gypsum plasterboard</u>					
3	9.4mm thick Gypsum Rhinoboard ceiling boards fixed to SA pine brandering spaced @ 300mm centres with ceiling screws. Provide H profile jointing strips and finish off with plaster primer, undercoat and two coats "Plascon Polvin" (or equal and approved) super acrylic Pva paint , all as per manufactures detail specifications.	m2	637		
<u>FIBRE CEMENT CEILINGS</u>					
<u>6mm thick Fibre-cement ceiling boards with fixing accessories</u>					
4	Ceilings including 38 x 38mm SA pine brandering spaced at 300mm centres with ceiling screws. Provide H profile jointing strips and coved cornice.	m2	44		
5	Extra over ceiling for opening for 650 x 650 mm trap door complete with trimmers, frame, cross branders, ceiling board, hinges, etc	No	16		
Carried to Collection				R	
Section No. 2 Section 2 - Builders' Work Bill No 8 - Ceilings, Partitions and access flooring PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11					

<u>PLASTERED PLASTERBOARD CEILINGS</u>					
<u>SUSPENDED CEILINGS</u>					
<u>Ceilings "BPB Gypsum DonnCeil Gyprex" white vinyl finished gypsum ceiling tiles 12,5mm thick, laminated to glass wool board of 55mm or similar approved by the Principal Agent acoustic ceiling tiles 12,5mm thick, laid on and including Q/T38 White powder coated main tees, cross tees, hold-down clips, wedges, etc., all suspended with galvanized hangers at centers not exceeding 1200mm</u>					
6	600 x 600mm Suspended Ceilings not exceeding 1m below truss members	m2	110		
7	1200 x 600mm Suspended Ceilings not exceeding 1m below steel members	m2	230		
<u>CORNICE</u>					
<u>Meranti cornice</u>					
8	19 x 50mm meranti skirting fixed upside down against wall and finished with 19mm quadrant	m	231		
<u>SUNDRIES</u>					
<u>"Fireproof" pyrosafe seal consisting of high density mineral wool panels cut and fixed into the opening around the penetrating services, all joints to be sealed with "Pyrosafe WB" including over-coating of the exposed faces of the panels and for 250mm on the penetrating services ("Pyrosafe Panel Seal" tested according to SABS 0177 Part II and achieving a rating of 120 minutes"), all installed strictly to the manufactureres specifications</u>					
9	Around service pipes/cables etc	m2	98		
Carried to Collection				R	
Section No. 2 Section 2 - Builders' Work Bill No 8 - Ceilings, Partitions and access flooring PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11					

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE

Item No		Quantity	Rate	Amount	
	<p><u>SECTION NO 2</u> <u>BILL NO. 9</u></p> <p><u>FLOOR COVERINGS, WALL LINNING, ETC.</u></p> <p><u>(WORK GROUP 130)</u></p> <p><u>PREAMBLES</u>For preambles refer to <u>"Department of Public Works: Specification of Materials and Method to be used - PW371"</u><u>Note</u>Newly installed floors should not be wet within 3 days of installation. contractor will remove and replace at own cost of it occurs that floor are wet before lead time. <u>preparation</u>Clean the floor with a neutral cleaner using hand or 3m Red pad rotary machine , pick up dirty water with a wiper and mop or wet vacuum, rinse with clean water and allow floor to dry. do not use high PH chemicals to remove stains. Use "Forbo cleaner" or " Marmoleum Floor Cleaner" to maintain uniform texture after cleaning</p> <p><u>NOTE</u></p> <p>All prices/rates to be net, excluding Value Added Tax</p>				
	Carried to Collection		R		
	<p>Section No. 2 Section 2 - Builders' Work Bill No 9 - Floor Coverings, Wall Linning, etc. PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>				

<u>SUPPLEMENTARY PREAMBLES</u>				
Floor coverings and wall linings				
All floor coverings and linings are to be supplied, laid and sealed complete on a cement screed (screed somewhere) under guarantee by an approved firm of Specialist				
Sealing of joints				
All joints between floor coverings and wall linings to be butted and heat welded ensuring the welding agent bonds to more than 70% of the respective sheet thickness				
All abutments between floor coverings, wall linings, etc. and other members, ie. fittings, skirtings, corner protectors, etc are to properly sealed with an approved sealant of an approved colour				
Tendered rates must make provision for the above-mentioned as no additional claims in this regard will afterwards be entertained				
Note: Newly installed floors should not be wet within three days of installation. Contractor will remove and replace at own cost if discovered that the floors have been wet before the lead time.				
Finished Surfaces				
Contractor to ensure that surfaces are even and suitable to receive a specified finish as no extra cost shall be entertained				
<div> <p style="text-align: right;">Carried to Collection</p> </div> <div> <p>Section No. 2 Section 2 - Builders' Work Bill No 9 - Floor Coverings, Wall Lining, etc. PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p> </div>				
			<div> <p>R</p> </div>	

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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

	<p><u>SHEET TYPE A : 2mm thick "POLYFLOR 2000 PUR" (or equal and approved) fully flexible homogeneous, non-directional high performance heavy duty vinyl sheeting with PuR reinforcement and surface treatment laid on 30mm thick smooth steel floated cement screed strictly as per manufactures detail specification. Provide fully flexible PVC expansion joint cover (Gauge: 65mm 2mm) over filled construction/expansion joints with weld capability to vinyl sheeting on either side of the expansion.</u></p>				
4	On floors including self levelling screed	m2	976		
5	150mm High coved prefinished skirting	m	28		
6	20 x 20mm cove former finished with a PVC capping strip, installed strictly as per manufacturers detail specification	m	5		
	<p><u>SHEET TYPE B : 2mm thick "POLYFLOR 2000 PUR" Static Control (or equal and approved) fully flexible homogeneous, non-directional high performance heavy duty vinyl sheeting with PuR reinforcement and surface treatment laid on 30mm thick smooth steel floated cement screed strictly as per manufactures detail specification. Provide fully flexible PVC expansion joint cover (Gauge: 65mm 2mm) over filled construction/expansion joints with weld capability to vinyl sheeting on either side of the expansion.</u></p>				
7	On floors including self levelling screed	m2	78		
Carried to Collection				R	
<p>Section No. 2 Section 2 - Builders' Work Bill No 9 - Floor Coverings, Wall Lining, etc. PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>					

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO 2</u> <u>BILL NO. 10</u></p> <p><u>IRONMONGERY</u></p> <p><u>(WORK GROUP 132)</u></p> <p><u>PREAMBLES</u>For preambles refer to <u>"Department of Public Works: Specification of Materials and Method to be used - PW371"</u></p> <p><u>NOTE</u></p> <p>All prices/rates to be net, excluding Value Added Tax</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Fixing of door locks, handles, flush bolts etc</p> <p>Fixing of all locks, handles, flush bolt, etc. shall be regarded as fixed to timber door leaves, unless specifically otherwise indicated</p> <p>Preparation of door frames</p> <p>Descriptions for flush bolts, door closers, floor spring, etc. shall be deemed to include all necessary preparations to door frames to accomodate same.</p> <p>Tendered rates must make provision for the above-mentioned as no additional claims in this regards will afterwards be entertained</p> <p>All "en-suite" locks shall be ordered to operate in a dedicated master keyed and/or grand master keyed lock system</p>			
	<p><u>SUPPLY AND INSTALLATION OF IRONMONGERY</u></p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 Section 2 - Builders' Work Bill No 10 - Ironmongery PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		R	

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

	<u>HINGES, BOLTS, ETC</u>				
1	Standard pad latch	No	1		
2	Standard heavy duty brass hinge	No	36		
3	Dust proof strike	No	33		
4	100x75x3mm stainless steel two ball bearing butt hinges	No	15		
5	Hat and coat hook with R/buff ST/S	No	4		
6	54mm Patent F/screw NP 40-55mm for P/Plates	No	12		
7	Flushbolt 150mm ST/C	No	6		
8	Flushbolt 225mm ST/C	No	3		
9	Flushbolt 300mm ST/C	No	4		
10	Reset flushbolt/dust proof strike	No	5		
11	Rebate conv set for 76mm lock	No	4		
12	Geze prof cylinder escutcheon s/ss	No	4		
	<u>LOCKS</u>				
	<u>"GEZE"</u>				
13	Deadlock euro cyl with roller bolt N/S S/S 35mm	No	10		
14	Union 315 doorlock (L-22315-76SS)	No	6		
15	Mortice indicator bathroom/wc set complete s/s	No	8		
16	76mm prof CYL sashlock 22mm CP	No	5		
17	76mm prof CYL Deadlock 22mm GMK (2x18SCGMK)	No	25		
18	Thumb turn and lock TT001SS	No	5		
	Carried to Collection			R	
	Section No. 2 Section 2 - Builders' Work Bill No 10 - Ironmongery PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11				

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

<u>PUSH PLATES, KICKING PLATES , NAMEPLATES, ETC</u>					
<u>"GEZE" or equal approved</u>					
<u>Pushplate drilled and counter sunk to timber</u>					
28	300 x 150 x 16mm blank S/S 6 fix holes	No	4		
29	300 x 400 x 2mm kick plate	No	20		
30	300 x 800 x 2mm kick plate	No	68		
<u>Doorstop</u>					
31	Door stop satin SS (87001SS)	No	135		
<u>DOOR CLOSERS AND FLOOR SPRINGS</u>					
<u>"Geze"or equal approved</u>					
32	Reset existing door closers to a smooth operational working condition	No	62		
33	Door closer Union DC 737 EN3-5 SC HO	No	11		
<u>"Franke" or similar and approved by the Principal Agent</u>					
34	Double toilet roll holder code 2120101, size 144 x 138 x 301mm with spindle system for wall mounting. Including cylinder lock with key.	No	39		
35	Soap dispenser code 2190025 size 200 x 85 x 140mm for wall mounting, lock with key, suitable for liquid soapsand lotion, 1 litre soap tank, push button on the front.	No	80		
36	Paper towel dispenser code 21200 size 275 x 112 x 355mm, for wall mounting with standard key, loading capacity 500 - 800 pieces.	No	95		
37	Double arm soap rack 163x100mm dia Code 35994	No	6		
38	Perforated wall container with capacity of 23 litres, size 410x205x380mm. Code: 359873	No	86		
Carried to Collection				R	
Section No. 2 Section 2 - Builders' Work Bill No 10 - Ironmongery PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11					

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

<u>GRAB RAILS AND RELATED WORKS</u>				
<u>"Chairman industries" or other equal and approved</u>				
42	Stainless steel side grab rail size 650x95mm " Code 359873	No	7	
43	Stainless steel rear grab rail " Code SR2 " including fixing to wall around cistern	No	3	
44	382 X 350mm stainless steel fold down shower seat	No	7	
<u>HAT AND COAT HOOKS, ETC.</u>				
<u>"Franke" stainless steel robe hook or similar and approved by the Principal Agent</u>				
45	Robe hook with rubber stop code 2120090 size 68 x 40mm fixed or plugged	No	28	
<u>WINDOW STAYS AND CATCHES</u>				
46	Service stays to open and close smoothly	No	87	
47	Supply and fit cover caps to window handees	No	20	
<u>BLINDS AND CURTAINS</u>				
48	Provide a sum of R 20 000.00 (Two and Fifty Thousand Rands) for supply and installation of curtain tracks, rails, curtains and blinds		Item	200 000.00
49	Profit		Item	
50	Attendance		Item	
<u>SIGNAGE</u>				
51	Provide a sum of R 220 000.00 (Two Hundred and Twenty Thousand Rands Only) for all signage including permanent hospital directional signage		Item	220 000.00
52	Profit		Item	
53	Attendance		Item	
Carried to Collection				R
Section No. 2 Section 2 - Builders' Work Bill No 10 - Ironmongery PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11				

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

Item No		Quantity	Rate	Amount	
	<p><u>SECTION NO 2</u> <u>BILL NO. 11</u></p> <p><u>STRUCTURAL STEEL</u></p> <p><u>(WORK GROUP 134)</u></p> <p><u>PREAMBLES</u>For preambles refer to <u>"Department of Public Works: Specification of Materials and Method to be used - PW371"</u></p> <p>All prices/rates to be net, excluding Value Added Tax</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p>				
	<p><u>STRUCTURAL STEEL (Provisional)</u></p> <p><u>Standardised Specifications</u></p> <p>The SANS 1200 1200H Standardised Specification for Civil Engineering Construction for Structural Steelwork is applicable to this Bill</p> <p>The SANS 1200 1200HC Standardised Specification for Civil Engineering Construction for Corrosion Protection of Structural Steelwork is applicable to this Bill</p> <p><u>Project Specification</u></p> <p>If the Standardised Specifications and the Project Specification (bounded in this document) are in conflict, the Project Specification shall apply. If these three specifications conflicts with the Model Preambles for Trades, the provisions of these specifications shall apply.</p>				
	Carried to Collection				
	<p>Section No. 2 Section 2 - Builders' Work Bill No 11 - Structural steel</p> <p>PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>				

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

	<p><u>Descriptions</u></p> <p>Descriptions of all structural steelwork shall be deemed to include for the preparation of shop detail drawings, supply and fabrication, delivery, abnormal loads, erection and approved protective treatment (Corrosion protection).</p> <p>Items described as "bolted" shall be deemed to exclude the bolts and include the holes.</p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete. Where anchor bolts are described as embedded in sides or soffits of concrete it shall be deemed to include holes through formwork.</p>				
	<p style="text-align: right;">Carried to Collection</p>		R		
	<p>Section No. 2 Section 2 - Builders' Work Bill No 11 - Structural steel PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>				

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO 2</u> <u>BILL NO. 12</u></p> <p><u>METALWORK</u></p> <p><u>(WORK GROUP 136)</u></p> <p><u>PREAMBLES</u>For preambles refer to <u>"Department of Public Works: Specification of Materials and Method to be used - PW371"</u></p> <p><u>NOTE</u></p> <p>All prices/rates to be net, excluding Value Added Tax</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions</u></p> <p>Descriptions of expansion anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metalwork described as"holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p>Burglar bars to windows</p> <p>All opening sections shall be filled with burglar bars, unless otherwise described</p> <p>Glazing beads to windows</p> <p>Guarantees for glass shall be provided upon completion of the works.</p> <p>Tendered rates must make provision for the above-mentioned as no additional claims in this regards will afterwards be entertained</p>			
	Carried to Collection		R	
	<p>Section No. 2 Section 2 - Builders' Work Bill No 12 - Metalwork</p> <p>PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			

<u>GALVANISED MILD STEEL DOOR FRAMES, WINDOWS INCLUDING BUILDING INTO BRICKWORK</u>					
<u>1,6mm pressed steel metal single rebated door frame complying with SABS 1129, to fit 230/115mm walls. Fitted with stainless steel strike plate and 3NO. set of hinges.</u>					
1	Frame for door size 815 x 2100mm high	No	5		
2	Frame for door size 880 x 2100mm high	No	1		
3	Frame for door size 1254 x 2134mm high	No	1		
<u>ALUMINIUM WINDOWS, ETC., INCLUDING BUILDING INTO BRICKWORK</u>					
<u>NOTE:</u> Indicative window schedules are attached at the end of the bills of quantities to assist the tenderer in pricing					
Rates for the following aluminium windows are to include for supplying and building in of temporary templates					
<u>Aluminium Screens</u>					
4	1517 x 1955 Aluminium grille	No	1		
5	1150 x 1150mm with S.S vermin proof mesh on the inside	No	1		
6	2300 x 1955mm with S.S vermin proof mesh on the inside	No	1		
<u>Design, supply, deliver to site and install the following windows/shopfront in accordance with the manufacturers instructions</u>					
<p style="text-align: right;">Carried to Collection</p>				R	
Section No. 2 Section 2 - Builders' Work Bill No 12 - Metalwork PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11					

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

<p><u>NU KLIP powder coated aluminium framed windows/shopfront glazed as described, including all necessary framing, transomes, mullions, beads, clips, etc., all ironmongery comprising hinges, friction stays, wedgeless handles, external sealing between gaskets, external sealant between framing and adjoining structure with an approved sealant recommended for the purpose intended, all fixings and supports protection from all damage, cleaning down upon completion and everything necessary for a perfectly weather tight installation to the intent, approval and satisfaction of the Architect. NOTE : All windows to be fitted complete with 12 x 12mm Aluminium square bars @ 150mm centres maximum and rates will be deemed to include such</u></p> <p><u>Windows/shopfront glazed with 6.38mm thick laminated tinted glass and plugged to brickwork. Purpose made accessories and bueglar bars factory fitted.</u></p>			
<p>7 Purpose made 126x300 fanlight with 3mm laminated clear float glass</p> <p><u>Windows/shopfront glazed with 6.38mm thick laminated clear glass and plugged to brickwork. Purpose made accessories and bueglar bars factory fitted.</u></p>	No	1	
<p>8 Provide the sum of R50 000.00 (Fifty Thousand Rands Only) for repairs and maintenance of aluminium windows and accessories</p>			SUM
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 Section 2 - Builders' Work Bill No 12 - Metalwork PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			R

	<p><u>ALUMINIUM DOORS, ETC., INCLUDING BUILDING INTO BRICKWORK</u></p> <p><u>Anodised NU KLIP aluminium door/shopfront glazed as described in the schedule , material shall be of 6063T6 aluminium alloy with a minimum structural wall thickness of 1.80mm. System shall meet or exceed the requirements of AAAMSA and the design loading determination by SABS 0160 for this application.</u></p> <p><u>"NU KLIP" or similar and approved by the Principal Agent Shopfront</u></p>				
9	Anodised aluminium door frame, size 1800 x 2050mm, with 8.38mm thick laminated clear glass	No	7		
10	Anodised aluminium door frame, size 1800 x 2400mm, with 1/2 consisting of 4 opening window sections and with 8.38mm thick laminated clear glass	No	1		
11	Anodised aluminium 2 panel door frame, size 1500 x 2400mm, with 8.38mm thick laminated clear glass complete	No	3		
12	Anodised aluminium door frame, size 880 x 2100mm high with timber semi-solid core door leaf(e/m)	No	2		
	<p><u>BUMPER RAILS</u></p> <p><u>UPVC intrad wall protection system consisting of high impact resistant uPVC brackets, uPVC joining blocks all work as per manufactures details and specifications.</u></p>				
13	On walls	m	120		
	<p><u>Corner protectors</u></p>				
14	90 x 90 x 1,2mm Thick stainless steel corner protector fixed to walls	No	42		
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 Section 2 - Builders' Work Bill No 12 - Metalwork PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			R	

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

	<u>STEEL DOORS</u>				
15	2032 x 813mm Steel door supplied with 600 x 600mm louvred unit steel vent steel panel type "Durowin" AV with anti-rodent screen.	No	1		
16	1252 x 2134mm Steel fully louvred double door single swing	No	1		
	<u>FIRE DOORS, ETC</u>				
17	810 x 2030mm high Pelican Systems Pyrppanel 48mm single leaf fire door Class B installed in strict accordance with the manufacturers instructions and in compliance with SANS 1253:2003 with a 120 minute fire rating, with 3.6mm treated commercial ply suitable for painting on both sides, with 100 x 300mm high vision panel with Pyroceramic fire resistant glass to each leaf including intumescent strip to top of door, hardwood edges and 1.6mm thick red oxide primed mild steel frame suitable for 115mm brick wall. (ironmongery elsewhere specified)	No	3		
	<u>ROLLER SHUTTER DOORS AUTOMATIC OPERATED</u>				
	<u>"Xpanda" or any other of similar quality, automatic operated with motor which is fitted inside the top hood, Hard-crank or battery back-up with an option of hand crank and battery backup</u>				
18	Standard chain operated roller shutter in galvanised finish, size 2000mm x 2200mm high with 450mm headroom with 130mm clearance on free side and 160mm clearance on operator side , 75mm wide x 1.2mm thick slates, 75mm wide side guides, Xpanda Rol-ok, with pressed steel canopy cover and sloping T-bar to bottom edge, with perimeter framing plugged and screwed to face at the maximum 300mm centres to concrete or brickwork.	No	4		
	<u>BURGLAR PROOFING</u>				
19	Install burglar proofing to window size 1200x600mm to architects specification	No	2		
	Carried to Collection			R	
	Section No. 2 Section 2 - Builders' Work Bill No 12 - Metalwork PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11				

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

20	Install burglar proofing to window size 1800x600mm to architects specification	No	6		
21	Install burglar proofing to window size 1800x1500mm to architects specification	No	6		
22	Install burglar proofing to window size 1200x1500mm to architects specification	No	5		
23	Install burglar proofing to window size 1200x1200mm to architects specification	No	9		
24	Install burglar proofing to window size 900 X 2100mm to architects specification	No	6		
25	Install burglar proofing to window size 600 X 600mm to architects specification	No	7		
26	Install burglar proofing to window size 900 X 900mm to architects specification	No	2		
27	Install burglar proofing to window size 1500 X 600mm to architects specification	No	2		
<u>CHANNEL STEEL GRIDS</u>					
<u>Purpose made steel grids with bearer bars size 40 x 4.5mm and spacing of 40 x 60mm</u>					
28	Grid Type A - Size 1361 x 510mm	No	4		
29	Grid Type B - 1070 x 510mm	No	2		
30	Grid Type B - 1070 x 510mm	No	8		
Carried to Collection				R	
Section No. 2 Section 2 - Builders' Work Bill No 12 - Metalwork PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11					

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

Item No	Quantity	Rate	Amount
<p><u>SECTION NO 2</u> <u>BILL NO. 13</u></p> <p><u>PLASTERING</u></p> <p><u>(WORK GROUP 142)</u></p> <p><u>PREAMBLES</u>For preambles refer to <u>"Department of Public Works: Specification of Materials and Method to be used - PW371"</u></p> <p><u>NOTE</u></p> <p>All prices/rates to be net, excluding Value Added Tax</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Textured finishes</p> <p>All textured finishes are to be applied to the satisfaction of the Principal Agent and executed by an approved firm of Specialists, all strictly in accordance with the materials supplied and methods employed by the Manufacturer</p> <p>Preparatory work for textured finishes</p> <p>Textured finishes to be applied to surfaces as described. Rates tendered are to include for all necessary priming, preparatory work, etc.</p> <p>All surfaces are to be inspected and approved by the Principal Agent prior to any work is commenced with</p>			
<p style="text-align: right;">Carried to Collection</p>			
<p>Section No. 2 Section 2 - Builders' Work Bill No 13 - Plastering PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

<u>SCREEDS</u>				
<u>3:1 Cement plaster screeds steel trowelled on concrete</u>				
1	25mm Thick on concrete floors to receive tiles	m2	20	
2	25mm Thick on concrete floors to receive vinyl sheeting	m2	20	
<u>INTERNAL PLASTER</u>				
<u>One coat (1:5) cement plaster on brickwork</u>				
3	On walls	m2	1 040	
<u>On concrete</u>				
4	On ceilings	m2	122	
<u>EXTERNAL PLASTER</u>				
<u>One coat (1:5) cement plaster on brickwork</u>				
5	On walls	m2	99	
<u>On concrete</u>				
6	On ceilings	m2	344	
<u>DIVIDING STRIPS, COVER STRIPS ETC</u>				
<u>Strips</u>				
7	3 x 25mm Brass dividing strip with top flush with floor finish	m	8	
Carried to Collection			R	
Section No. 2 Section 2 - Builders' Work Bill No 13 - Plastering PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11				

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO 2</u> <u>BILL NO. 14</u></p> <p><u>TILING</u></p> <p><u>(WORK GROUP 144)</u></p> <p><u>PREAMBLES</u>For preambles refer to <u>"Department of Public Works: Specification of Materials and Method to be used - PW371"</u></p> <p><u>NOTE</u></p> <p>All prices/rates to be net, excluding Value Added Tax</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Prices</p> <p>Prices are to include for all square cutting and waste, cleaning off on completion and protection from injury. Areas are measured net to face of bare brickwork and concrete</p>			
	<p><u>CERAMIC WALL TILES</u></p> <p><u>200 x 200 x 5mm white glazed ceramic splashback tiles (PC R300/m2 including delivery to site but excluding VAT) on vertical wall substrate with 20mm plaster backing. Tiles to run in both directions jointed and flush pointed with 5mm tile grouting joints as per architects approval. Tiles to be laid to the underside of the ceiling.</u></p>			
1	<p>On walls</p> <p>m2</p> <p>158</p> <p><u>Tile Type UN512 (to Architects approval)</u></p> <p><u>CERAMIC FLOOR TILES</u></p>			
	<p style="text-align: right;">Carried to Collection</p>		R	
	<p>Section No. 2 Section 2 - Builders' Work Bill No 14 - Tiling PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			

	<p><u>330 X 330 mm ceramic tiles (PC R400/m2 including delivery to site but excluding VAT) with 3mm wide grout joints (colour and tile type as per architects approval) with rapid setting adhesive strictly as per adhesive manufactures detail specification. Provide 2mm wide joints and applied strictly as per manufactures detail specification. All outer corners to be finished with aluminium straight edge trim for 8-9mm thick lines.</u></p>				
2	On floors	m2	283		
	<p><u>PORCELAIN FLOOR TILES</u></p> <p><u>Tile type A: 600 x 600 x 8mm slip resistant full body porcelain tiles (PC R550/m2 including delivery to site but excluding VAT) on wood floated screed on concrete surface bed with heavy duty aluminium expansion joints and 2mm wide grout joints (colour and tile as per architects approval) on concrete surface bed in pattern with expansion joints as per structural engineer, with rapid setting adhesive applied strictly as per manufactures detail specification. Provide 2mm wide joints and applied strictly as per manufactures detail specification.</u></p>				
3	On floors	m2	337		
4	150mm high x 600 x 8mm full body porcelain tiles on vertical wall substrate with 2mm wide grout joints (colour and tile as per architects approval) with rapid setting adhesive applied strictly as per adhesive manufactures detail specification. Provide 2mm wide joints and applied strictly as per manufactures detail specification.	m	56		
5	Cut tile edge to be finished with aluminium straight edge trim for 8-9mm tiles.	m	357		
	<p><u>POLISHING</u></p> <p><u>Clean and polish floors with approved chemical</u></p>				
6	On floors and walls	m2	92		
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 Section 2 - Builders' Work Bill No 14 - Tiling PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			R	

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO 2</u> <u>BILL NO. 15</u></p> <p><u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u></p> <p><u>(WORK GROUP 148)</u></p> <p><u>PREAMBLES</u>For preambles refer to <u>"Department of Public Works: Specification of Materials and Method to be used - PW371"</u></p> <p><u>NOTE</u></p> <p>All prices/rates to be net, excluding Value Added Tax</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Excavations</p> <p>Prices for excavations must include for necessary staging for risk of collapse of excavation side.</p> <p>Compacting</p> <p>Filling for all types of prices described as "under solid floors, etc" shall be done with approved backfilling and compacted to 93% Mod. AASHTO density, unless otherwise described</p> <p>Testing</p> <p>Descriptions for the testing of plumbing and drainage installations shall be deemed to cater for all testing apparatus, labour, etc. and shall be done strictly as directed by and in accordance to the Principal Agent's instructions, including for retesting after taking out and making good all defective work to his entire satisfaction</p>			
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 Section 2 - Builders' Work Bill No 15 - Plumbing and drainage PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		R	

	<p><u>Vitrified clay pipes:</u></p> <p>Pipes shall rest on solid ground and, where necessary, pockets of sufficient size shall be cut around joints to enable the jointing to be properly performed or, alternatively, pipes shall be bedded full length on and including unreinforced concrete laid in a semi-dry state immediately before pipes are laid</p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p><u>uPVC pipes and fittings</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipe fittings shall be solvent weld jointed</p> <p><u>uPVC pressure pipes and fittings</u></p> <p>Pipes for water supply shall be of the class stated</p> <p>Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings</p> <p><u>Copper pipes</u></p> <p>Pipes shall be hard drawn and half hard pipes of the class stated. Class 0 (thin walled hard drawn pipes) shall not be bent. Class 1 (thin half hard), Class 2 (half hard) and Class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti siphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or ground.</p>			
	<p>Carried to Collection</p>		<p>R</p>	
	<p>Section No. 2 Section 2 - Builders' Work Bill No 15 - Plumbing and drainage PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			

	<p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers , he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers will be entertained.</p> <p><u>Excavations</u></p> <p>No claim for extra rock excavation will be entertained unless the Contractor has timeously notified the Quantity Surveyor , thereof prior to backfilling, in writing</p> <p>"Soft rock" and "Hard rock" shall be as defined in "Earthworks"</p> <p><u>Laying, Backfilling, Bedding, etc. of Pipes</u></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with the manufacturer's instructions</p> <p>Where no manufacturer's instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200L : Medium Pressure Pipes LD : Sewers LE : Stormwater Drainage</p> <p>Pipes trenches, etc. shall be backfilled in accordance with Clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB: Earthworks (Pipe Trenches)</p> <p>Pipes shall be bedded in accordance with Clause 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200LB : Bedding (Pipes)</p> <p>Unless otherwise described bedding of rigid pipes shall be Class B bedding</p> <p><u>Flush pans</u></p> <p>Flush pans shall have straight or side outlets and "P" or "S" traps as necessary</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 Section 2 - Builders' Work Bill No 15 - Plumbing and drainage PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>			
			R	

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
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	<p><u>Waste unions</u></p> <p>Description of waste unions shall be deemed to include rubber or vulcanite plugs and chains</p> <p><u>DRAINAGE</u></p> <p><u>NOTE:</u> All items in this section shall be deemed to fall into Work Group No 146 for Haylett formula purposes</p> <p><u>SOIL DRAINAGE</u></p> <p>Unless otherwise stated herein, all items in this section shall be deemed to fall into Work Group No 146 for Haylett formula purposes.</p>				
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 Section 2 - Builders' Work Bill No 15 - Plumbing and drainage PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		R		

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

<u>RAINWATER DISPOSAL</u>				
<u>Fulbore cast iron outlets</u>				
1	150mm Diameter 90 degrees	No	2	
<u>Rainwater pipes</u>				
2	200 x 200 x 1.2mm GS watertight guttering commercial and industrial square including cut and mitred angles covered with a mitre strip externally, stop ends riveted and all sealed on the inside with dow corning.	m	310	
3	100mm diameter x 1.0mm thick down pipe fixed to wall with straps	m	213	
4	75mm Diameter Pluvia pipes	m	50	
5	110mm Diameter Pluvia pipes	m	10	
6	150mm Diameter Pluvia pipes	m	54	
7	Extra over 150mm rainwater pipe for bend	No	42	
<u>SANITARY PLUMBING</u>				
<u>uPVC pipes</u>				
8	50mm Pipes fixed to walls	m	2	
9	50mm Pipes laid under slabs and including trenches not exceeding 1m deep	m	2	
10	110mm Pipes fixed to walls or soffits	m	5	
11	110mm Pipes laid under surface beds and including trenches not exceeding 1m deep	m	1	
12	110mm Pipe encased in concrete 20MPa/20 under surface beds and including excavation exceeding 1m and not exceeding 2m deep	m	1	
<u>Extra over upvc pipes for fittings</u>				
13	50mm Bend	No	1	
Carried to Collection			R	
Section No. 2 Section 2 - Builders' Work Bill No 15 - Plumbing and drainage PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11				

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

14	50mm Access bend	No	1		
15	50mm Access junction	No	1		
16	50mm Junction	No	1		
17	110 x 50mm Reducer	No	16		
18	110mm Plain bend	No	2		
19	110mm Access bend	No	2		
20	110mm Access junction	No	2		
21	110mm Pan connector	No	36		
22	110mm Bent pan connector	No	36		
23	110mm Two way vent valve	No	18		
<u>SANITARY FITTINGS</u>					
<u>"Vaal" Stainless steel or similar and approved by the Principal Agent</u>					
24	"Nueva Europa" Enamel steel bath size 500 x 1500mm with adjustable feet	No	2		
25	Baby stainless steel baby bath tub size 1500x555mm	No	1		
26	"Daisy" vitreous china 510 x 400mm semi-rectangular basin with 3 semi-punched tap holes, integrated overflow and chain stay hole	No	20		
27	Trendline stainless steel single bowl drop in sink size 900 x 535mm with bow dimension of 460 x 355 x 150mm	No	10		
28	Ceramic fireclay 595 x 455mm oval self-rimming basin with three semi-punched holes and chainstay hole - Code 7028	No	20		
29	"Hygia" ceramic fire clay 585 x 535 mm hospital basin supplied with two tap holes including 1/4 turn wrist action mixer complete	No	39		
Carried to Collection				R	
Section No. 2 Section 2 - Builders' Work Bill No 15 - Plumbing and drainage PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11					

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

30	"Orchid" vitreous china top inlet wall hung open rim pan supplied with purpose made wooden seat and floor bracket	No	30		
31	"Orchid" paraplegic china top inlet wall hung open rim pan supplied with purpose made wooden seat and floor bracket	No	6		
32	"Letaba" Enamel steel shower tray 900x900mm with integrated anti-slip pattern	No	12		
33	"Callas" vitreous enamel top hung urinal with integral spreader and P-trap	No	7		
34	Stainless steel fold down shower seat 382 x 350mm	No	3		
35	Bedpan and bottle rack code 350650, size 610X560X260mm. Including unit complete with stainless steel drip tray.	No	6		
36	Combination bedpan and wash up sink supplied pre-plumbed complete with all fittings. Code 355100	No	6		
37	Slop hopper 540 x 540mm code 2630035-004 with a 100mm high integral splash back to the rear and both sides. Complete with a 107mm waste outlet(s).	No	6		
38	Stainless steel wall mounted wash trough size 450x355x150mm	No	2		
Carried to Collection				R	
Section No. 2 Section 2 - Builders' Work Bill No 15 - Plumbing and drainage PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11					

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
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<u>WASTE UNION</u>					
<u>"Cobra Watertech" or other equal and approved by the Principal Agent</u>					
39	Shower waste code 323 rough brass with 75mm diameter chromium plated shower grating	No	11		
40	32mm 301CP waste union	No	8		
41	38mm 316CP Sink waste union	No	19		
42	Slotted basin waste with 62mm diameter flange, 80mm lang flank and plug	No	39		
<u>TRAPS, ETC</u>					
<u>"Cobra Watertech" or other equal and approved by the Principal Agent</u>					
43	38mm Chromium plated bottle trap	No	11		
44	32mm Chromium plated bottle trap	No	8		
45	75mm Chromium plated bottle trap with adjustable telescopic pipe	No	74		
46	75mm 373/40 Shower trap	No	9		
47	Stainless steel floor trap with flow rate of 3 litres per second, double water seal, smooth finishes and slurry box. Code: RO 125V (H) NV100	No	3		
48	Stainless steel floor trap with flow rate of 0.8 litres a second, double water seal, smooth finishes and slurry box. Code: RO 125V (H) NV 50	No	12		
<u>"Rubber"</u>					
49	40mm Deep seal "P" or "S" trap	No	9		
50	75mm Deep seal "P" or "S" trap	No	14		
Carried to Collection				R	
Section No. 2 Section 2 - Builders' Work Bill No 15 - Plumbing and drainage PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11					

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

<u>TAPS, VALVES, ETC</u>				
<u>"Brass"</u>				
51	Gala single basin mixer with chain (Code GA652)	No	15	
52	Angle regulating valve with 350mm flexi tube (Code 232/350)	No	19	
53	Single function vandal resistant shower head (Code KP 2.61)	No	10	
54	"GALA" single lever bath shower mixer Code GA-656	No	9	
55	"GALA" single lever basin mixer Code GA-652	No	15	
56	"Strata" bath shower mixer with thermostatic under tile sinle lever and temperature control	No	5	
57	'Ledimo" sink mixer, wall mounted with aerated swivel outlet	No	13	
58	Econo flush front access box with flush pipes, pam press button with stainless steel face plate	No	35	
59	Toilet flush valve. Code FM1.000	No	10	
60	Push button demand pillar tap with hot and cold indices (Code KM2. 100)	No	11	
61	Bath spout, flangeless with direction adjustable aerator	No	4	
62	"Medical" action pillar tap with 1/2 turn ceramic disc (Code 505-21B)	No	10	
63	Urinal flush valve with Ball-O-Stop and wall flange	No	8	
64	Brass bibtap with 3/4 hose union	No	1	
65	"Star" hose bibtap for 3/4 hose pipe	No	1	
<u>Testing</u>				
66	Allow for testing the whole of the sanitary plumbing installation to the approval of the Representative/Agent		Item	
Carried to Collection				R
Section No. 2 Section 2 - Builders' Work Bill No 15 - Plumbing and drainage PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11				

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
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<u>WATER SUPPLY</u>				
<u>Class O thin wall hard drawn copper pipes and fittings with capillary soldered type connections</u>				
67	15mm Pipes	m	4	
68	22mm Pipes	m	5	
69	28mm Pipes	m	5	
70	35mm Pipes	m	1	
71	42mm Pipes	m	1	
72	54mm Pipes	m	1	
<u>Extra over class O copper fittings for soldered capillary fittings</u>				
73	15mm Fitting	No	2	
74	22mm Fitting	No	2	
<u>Extra over 28mm diameter copper piping for soldered capillary fittings</u>				
75	Bend or elbow	No	3	
76	Tee	No	2	
77	Reducing tee	No	3	
78	Bush	No	1	
79	Reducing bush	No	1	
Carried to Collection			R	
Section No. 2 Section 2 - Builders' Work Bill No 15 - Plumbing and drainage PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11				

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
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	<u>Extra over 35mm diameter copper piping for soldered capillary fittings</u>				
80	Bend or elbow	No	5		
81	Tee	No	5		
82	Reducing tee	No	5		
83	Bush	No	5		
84	Reducing bush	No	5		
	<u>Extra over 42mm diameter copper piping for soldered capillary fittings</u>				
85	Bend or elbow	No	5		
86	Tee	No	5		
87	Reducing tee	No	5		
88	Bush	No	5		
89	Reducing bush	No	5		
	<u>Extra over 54mm diameter copper piping for soldered capillary fittings</u>				
90	Bend or elbow	No	5		
91	Tee	No	5		
92	Reducing tee	No	5		
93	Bush	No	5		
94	Reducing bush	No	5		
	Carried to Collection			R	
	Section No. 2 Section 2 - Builders' Work Bill No 15 - Plumbing and drainage PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11				

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

	<u>FIRE APPLIANCES ETC.</u>				
95	Fire hose reel complete with 30m x 20m diameter hose, including reel, valve, nozzle and wall bracket bolted on	No	1		
96	9Kg Dry chemical fire extinguisher	No	1		
	<u>WATER SUPPLY TO FIRE APPLIANCES</u>				
	<u>Galvanised steel pipes</u>				
97	25mm Pipes	m	20		
	<u>Extra over galvanised steel pipes for steel fittings</u>				
98	25mm Fittings	No	4		
	<u>VALVES TO FIRE APPLIANCES</u>				
	<u>"Cobra watertech" or other equal and approved by the Principal Agent</u>				
99	25mm 1001/125-25 PRESTEX brass fullway gate valve	No	1		
	<u>Testing</u>				
100	Allow for testing the whole of the water supplies and fire service installation to the approval of the Representative/ Agent		Item		
	<u>"Stunning" or similar and approved by the Principal Agent</u>				
101	450 x 300mm Approved shower seat with white stainless steel frame and timber slats seat, plugged and screwed to wall with stainless steel coach screws.	No	9		
	<u>WATER APPLIANCES</u>				
	<u>"Franke" or other equal and approved by the Principal Agent</u>				
102	Hydroboil 5 litre stainless steel code 2610010 instant boiling water 25 - 30 ups size 460 x 150mm.	No	7		
	Carried to Collection			R	
	Section No. 2 Section 2 - Builders' Work Bill No 15 - Plumbing and drainage PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11				

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
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Section No. 2			
Bill No. 15			
Bill No 15 - Plumbing and drainage			
<u>COLLECTION</u>			
	Page No		Amount
Total Brought Forward from Page No.	127		
Total Brought Forward from Page No.	128		
Total Brought Forward from Page No.	129		
Total Brought Forward from Page No.	130		
Total Brought Forward from Page No.	131		
Total Brought Forward from Page No.	132		
Total Brought Forward from Page No.	133		
Total Brought Forward from Page No.	134		
Total Brought Forward from Page No.	135		
Total Brought Forward from Page No.	136		
Total Brought Forward from Page No.	137		
Total Brought Forward from Page No.	138		
Total Brought Forward from Page No.	139		
Total Brought Forward from Page No.	140		
Carried Forward to Summary of Section No. 2		R	
Section No. 2			
Section 2 - Builders' Work			
Bill No 15 - Plumbing and drainage			
PROVISIONAL BILL OF QUANTITIES			
BID NUMBER: NWDOH/PS/019/11			

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

Item No		Quantity	Rate	Amount	
	<p><u>SECTION NO 2</u> <u>BILL NO. 16</u></p> <p><u>GLAZING</u></p> <p><u>(WORK GROUP 150)</u></p> <p><u>PREAMBLES</u>For preambles refer to <u>"Department of Public Works: Specification of Materials and Method to be used - PW371"</u></p> <p><u>NOTE</u></p> <p>All prices/rates to be net, excluding Value Added Tax</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Prices</p> <p>Prices are to include for all square cutting and waste, cleaning off on completion and protection from injury. Areas are measured net to face of bare brickwork and concrete</p>				
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 Section 2 - Builders' Work Bill No 16 - Glazing PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		R		

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

<u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u>					
	<u>Mirror manufactured from 18/10 stainless steel with a reflective polished surface, drilled for screw to wall and reinforced with Novopan plates screwed to wall</u>				
1	Size 600 x 450 x 4mm High quality mirror with bevelled edges. Plug and screw to wall with chrome mirror screw, complete with screw caps.	No	44		
2	Size 900 x 450 x 6mm High quality mirror with bevelled edges. Plug and screw to wall with chrome mirror screw, complete with screw caps.	No	8		
	<u>8.38mm thick laminated clear glass approved by the architect</u>				
3	On the doors	m2	18		
	<u>6.38mm thick laminated clear glass approved by the architect</u>				
4	On the windows	m2	1		
Carried to Collection					
Section No. 2 Section 2 - Builders' Work Bill No 16 - Glazing PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11					

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

Item No		Quantity	Rate	Amount	
	<p><u>SECTION NO 2</u> <u>BILL NO. 17</u></p> <p><u>PAINTWORK</u></p> <p><u>(WORK GROUP 152)</u></p> <p><u>PREAMBLES</u>For preambles refer to <u>"Department of Public Works: Specification of Materials and Method to be used - PW371"</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Paint</p> <p>All paint, complete with undercoat, primer, etc., to be used strictly in accordance with the manufacturer's specification. Only paint which bears the described trade names will be permitted on site. No substitution will be allowed</p> <p>Previously painted plastered surfaces</p> <p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p>Access</p> <p>Rates for painting steelwork, shall include access, for unlimited height</p>				
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 Section 2 - Builders' Work Bill No 17 - Paintwork PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		R		

<u>PAINTWORK, ETC PREVIOUSLY PAINTED WORK</u>				
<u>PAINT ON FLOATED PLASTER</u>				
<u>Prepare, stop and apply one coat Plaster Primer and 2 finishing coats Plascon Velvagro (or equal and approved) non-drip enamel paint. Preparation of walls and application of paint to to manufactures specification. Colour by Architect</u>				
<u>Paint Type A (To Architects approval)</u>				
1	On internal walls	m2	1 630	
<u>Prepare, stop and apply one coat Plaster Primer and 2 finishing coats Plascon Velvagro (or equal and approved) non-drip enamel paint. Preparation of walls and application of paint to to manufactures specification. Colour by Architect</u>				
<u>Paint Type B (To Architects approval)</u>				
2	On external walls	m2	1 731	
<u>ON FIBRE CEMENT</u>				
<u>Prepare, stop and apply one coat plaster primer, undercoat and two coats "Plascon kitchens and bathrooms"(or equal and approved) premium quality water based enamel to manufacturers specifications. White paint</u>				
3	On fibre cement ceiling	m2	1 041	
<u>ON PLASTERBOARD</u>				
<u>Prepare, stop and apply one coat plaster primer, undercoat and two coats "Plascon Polvin"(or equal and approved) super acrylic pva paint to manufacturers specifications. White paint</u>				
4	On gypsum plasterboard ceiling	m2	610	
Carried to Collection				R
Section No. 2 Section 2 - Builders' Work Bill No 17 - Paintwork PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11				

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

<u>ON METAL</u>					
<u>Prepare, stop and apply one Zinc chromate primer/approved primer and two coats approved enamel paint.</u>					
7	Door frame	m2	29		
8	On palisade fence panels	m2	778		
<u>PAINT ON WOOD</u>					
<u>Prepare and paint one undercoat and two coats high gloss paint approved by the architect apply to manufacturers detail and specifications.</u>					
9	On Doors	m2	69		
<u>Prepare and paint two coats mahogany tint varnish, apply to manufacturers detail and specifications.</u>					
10	On Doors	m2	20		
<u>PAINTWORK, ETC ON NEW WORK</u>					
<u>PAINT ON FLOATED PLASTER</u>					
<u>Prepare, stop and apply one coat Plaster Primer and 2 finishing coats Plascon Velvaglo (or equal and approved) non-drip enamel paint. Preparation of walls and application of paint to to manufactures specification. Colour by Architect</u>					
<u>Paint Type A (To Architects approval)</u>					
11	On internal walls	m2	96		
<u>Prepare, stop and apply one coat Plaster Primer and 2 finishing coats Plascon Velvaglo (or equal and approved) non-drip enamel paint. Preparation of walls and application of paint to to manufactures specification. Colour by Architect</u>					
Carried to Collection				R	
Section No. 2 Section 2 - Builders' Work Bill No 17 - Paintwork PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11					

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

Section No. 2				
Bill No. 17				
Bill No 17 - Paintwork				
<u>COLLECTION</u>				
	Page No		Amount	
Total Brought Forward from Page No.	145			
Total Brought Forward from Page No.	146			
Total Brought Forward from Page No.	147			
Total Brought Forward from Page No.	148			
Total Brought Forward from Page No.	149			
Total Brought Forward from Page No.	150			
Carried Forward to Summary of Section No. 2			R	
Section No. 2				
Section 2 - Builders' Work				
Bill No 17 - Paintwork				
PROVISIONAL BILL OF QUANTITIES				
BID NUMBER: NWDOH/PS/019/11				

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

Bill No	SECTION SUMMARY - Section 2 - Builders' Work	Page No	Amount
1	Bill No 1 - Alterations	65	
2	Bill No.2 -Earthworks	66	
3	Bill No.3 - Concrete	73	
4	Bill No 4 - Masonry	76	
5	Bill No 5 - Waterproofing	79	
6	Bill No 6 - Roof Covering	83	
7	Bill No 7 - Carpentry and Joinery	88	
8	Bill No 8 - Ceilings, Partitions and access flooring	94	
9	Bill No 9 - Floor Coverings, Wall Linning, etc.	100	
10	Bill No 10 - Ironmongery	107	
11	Bill No 11 - Structural steel	112	
12	Bill No 12 - Metalwork	120	
13	Bill No 13 - Plastering	123	
14	Bill No 14 - Tiling	126	
15	Bill No 15 - Plumbing and drainage	141	
16	Bill No 16 - Glazing	144	
17	Bill No 17 - Paintwork	151	
Carried to Final Summary			R
Section No. 2 Section 2 - Builders' Work PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11			

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

Item No		Quantity	Rate	Amount	
	<p><u>SECTION NO 5</u> <u>BILL NO. 1</u></p> <p><u>PROVISIONAL SUMS</u></p> <p><u>PREAMBLES</u>For preambles see "<u>Standard Model Specifications for Building Works PW371/Oct 93</u>"</p>				
	<p>1. All provisional sums cover the supply of material and equipment and of installation where applicable by firms of specialists. Provisional sums are not and do not include for builder's discount, but the tenderer may allow under the item for "Profit" . The tenderer is referred to item B7.1 and B7.2 in Section 1 ("Preliminaries") for the definitions and adjustment of "Attendance".</p> <p>2. Under no circumstances may any Prime Cost or Provisional Sum, etc be extended at an amount lower than the amount given in this Bill</p> <p>Provisional Sums may be omitted or reduced at the Employer's sole discretion and the contractor shall not be entitled to claim for any loss by way of reductions or omissions of any discount, or percentage relating to Provisional Sums or P.C. Amounts or any loss of profit related thereto.</p> <p>3. The following provisional sums for work to be executed by selected sub-contractors.</p>				
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 3 Section 5 - Provisional Sums Bill No 1 - Provisional Sums PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11</p>		R		

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

<u>DOMESTIC SUB-CONTRACTORS</u>				
<u>LANDSCAPING</u>				
1	Provide a sum of R 3 300 000.00 (Three Million Three Hundred Thousand Rands) for landscaping including training of groundsman and maintenance for a period of 12 months post practical completion.	Item	3 300 000.00	
2	Attendance	Item		
3	Profit	Item		
<u>WATER SUPPLY</u>				
4	Provide a sum of R 1 000 000.00 (One Million Rands) for water supply and storage.	Item	1 000 000.00	
5	Attendance	Item		
6	Profit	Item		
<u>SEWER RETICULATION</u>				
7	Provide a sum of R 300 000.00 (Three Hundred Thousand Rands) for sewer reticulation	Item	300 000.00	
8	Profit	Item		
9	Attendance	Item		
<u>WATER PURIFICATION PLANT</u>				
10	Provide a sum of R 1 500 000.00 (One Million Five Hundred Thousand Rands) for completion of building and external electrical works	Item	1 500 000.00	
11	Profit	Item		
12	Attendance	Item		
<u>MECHANICAL WORKS</u>				
13	Provide a sum of R 8 650 000.00 (Eight Million Six Hundred and Fifty Thousand Rands) for mechanical works	Item	8 650 000.00	
Carried to Collection			R	
Section No. 3 Section 5 - Provisional Sums Bill No 1 - Provisional Sums PROVISIONAL BILL OF QUANTITIES BID NUMBER: NWDOH/PS/019/11				

**COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE
NORTH WEST PROVINCE**

14	Profit	Item			
15	Attendance	Item			
	<u>DECANTING</u>				
16	Provide a sum of R 100 000 (One Hundred Thousand Rands) for decanting	Item		100 000.00	
17	Profit	Item			
18	Attendance	Item			
	<u>COMMUNITY LIAISON OFFICER (CLO)</u>				
19	Provide a sum of R 39 000.00 (Thirty Nine Thousand Rands) for the Client Liaison Officer for a duration of 6 months	Item		39 000.00	
20	Profit	Item			
21	Attendance	Item			
Carried to Collection				R	
Section No. 3					
Section 5 - Provisional Sums					
Bill No 1 - Provisional Sums					
PROVISIONAL BILL OF QUANTITIES					
BID NUMBER: NWDOH/PS/019/11					

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE NORTH WEST PROVINCE

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SECTION 4 – ELECTRICAL INSTALLATIONS

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 1: Preliminaries & General

Section 1: Fixed and Value Based Charges

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 1: FIXED, VALUE AND TIME RELATED CHARGES							
1.1	General							
	Allow for complying with all clauses as per tender documentation, including all Special and General conditions of Contract and Labour requirements, and for providing all works and services for which no specific items are listed in the Bills of Quantities.							
a	Fixed	Sum	1					
b	Value	Sum	1					
c	Time	Month	4					
1.2	Site Establishment							
	Site establishment and for providing a site office, tools store, adequate and suitable water, sanitary and first aid services, communication and A4-A3 printing/scanning/faxing facilities.							
a	Fixed	Sum	1					
b	Value	Sum	1					
c	Time	Month	4					
1.3	Supervision and Management							
	Site administration and for attending all inspections and site meetings							
a	Fixed	Sum	1					
b	Value	Sum	1					
c	Time	Month	4					
1.4	Storage and Insurance							
	Provide for storage of plant, materials and equipment on site including protection thereof and for obtaining and providing all sureties and insurances called for in terms of this contract.							
a	Fixed	Sum	1					
b	Value	Sum	1					
c	Time	Month	4					
1.5	Notices and Fees							
	Allow for co-ordination with other contractors, giving notice to the internet and telephone service providers and paying all required fees. Liaising with Supply Authority for isolation and disconnections, from supply points. Connection and reconnection to supply points.							
a	Fixed	Sum	0					
b	Value	Sum	0					
1.6	Manufacturer's Workshop Drawings							
	Provision of workshop drawings and technical information including data sheets and schematic drawings for approval							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.7	Switching Cost							
	Liaising with Supply Authority for isolation and disconnections, from supply points. Connection and reconnection to Supply Authority supply points.							
a	Fixed	Sum	0					
b	Value	Sum	0					
Total Carried Forward								

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11_Electrical Installation

Schedule 1: Preliminaries & General

Section 1: Fixed and Value Based Charges

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
1.8	As-Built Information							
	Supply five full sets of as-built drawings to show the exact positions of cables, cable joints road crossings, etc. as well as instruction manuals & spare parts catalogues to spec. These as-built drawings must be handed to the Engineer on completion of the contract.							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.9	O&M Manuals, Catalogues and Reports							
	Preparation of O & M manuals and re-commissioning reports.							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.10	Surveying							
	Surveying and setting out of pole positions and cable routes.							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.11	Site De-establishment							
	Site de-establishment and breakdown.							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.12	OHS Requirements							
	Safety File including approval, PPE, Safety Harnesses, Site Inductions, Medicals etc.							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.13	Training and Handover							
	After successfull final testing and commissioning of complete installation allow for training of end-user personnel and handover complete project to client.							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.14	Guarantees							
	Allow for a guarantee for a defects liability period of 12 months against defects in components and installation workmanship.							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.15	Samples							
	Allow for selection and presentation of samples to the Engineer. Materials should only be purchased after obtaining approval from the Engineer. Incorrect materials will be replaced with correct materials.							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.16	Existing Materials and Equipment							
Total Carried Forward								

North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 1: Preliminaries & General

Section 1: Fixed and Value Based Charges

North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 1: Preliminaries & General

Section 2: Unscheduled Work and Variations

[illegible]

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11_Electrical Installation

Schedule 1: Preliminaries & General

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT (RAND)
1	Section 1: Fixed and Value Based Charges	.....
2	Section 2: Unscheduled Work and Variations	.....
Total Carried Forward To Summary Of Schedules		.....

North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 2: Low Voltage Distribution

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 1: DISTRIBUTION BOARDS							
	Complete Supply and installation: Low Voltage Reticulation							
	Rates shall include supply, delivery, storage, installation, accessories, supports. Installation to be in accordance with specifications, SANS standards for complete project up to the satisfaction of the Engineer(s).							
	Note: Some items measured hereunder maybe additional to items measured in schedule of materials installed by electronic subcontractor and therefore shall be thoroughly coordinated and checked.							
	Note: All material shall be SABS approved.							
1.1	Distribution Board Modification							
	Dismantle, load, deliver to manufacturer existing main distribution board, reconfigure, deliver back to site and re-install complete distribution kiosk as per drawings.							
	Work shall involve; - Merging essential and non-essential loads sections into one new busbar so that all loads are fed via the generator. - Installation of new main switch.							
1.1.1	Main LT Distribution Board - DB1-LT	No	1				Rate Only	
1.2	New Distribution Board							
	Supply and install distribution board as detailed and specified on the wiring diagram, standard quality specification for general electrical installations (CHCs) (DOH) and standard quality specification for electrical material and equipment (CHCs) (DOH).							
	Distribution board shall comply with SANS 1765 Part II and shall be equipped with a 1.6mm thick minimum sheet steel reinforced tray, suitably braced and stiffened to carry the chassis, door and equipment. Distribution board shall be rendered moisture proof and vermin proof and shall be adequately ventilated according to IP54 minimum.							
	All distribution board doors shall have high security sliding locking mechanism that will withstand vandalism and must be padlockable by means of rectangular type padlocks. The locking mechanism shall have a cover that prohibits the use of a bolt cutter to remove the padlock whilst providing easy access for operation. (Refer to drawing detail).							
	Body to be coloured "Red" with powder coating, front panels "Red", complete with all accessories and sheet metal and all frames, sub-frames, busbars, fixtures, fittings, labels, signs, legend-cards etc.							
	NB: Distribution Boards to be fitted in the factory and tested in accordance to specifications. Rate shall include delivery, off-loading and storage to site.							
	Make extra provision to connect 3 cables onto the adjustable main circuit breaker of 600-1200A.							
1.2.1	Main LT Distribution Board - DB1-LT	No	1					
1.3	Distribution Board Service and Maintenance							
	Dismantle, load, deliver to manufacturer existing main distribution board, reconfigure, deliver back to site and re-install complete distribution kiosk as per drawings.							
	Work shall involve; - Merging essential and non-essential loads sections into one new busbar so that all loads are fed via the generator. - Installation of new main switch.							
1.3.1	Service and maintain distribution board as follows;							
	Total Carried Forward							

North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 2: Low Voltage Distribution

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COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11_Electrical Installation

Schedule 2: Low Voltage Distribution

Section 2: Low Voltage Cabling

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 2: LOW VOLTAGE CABLING							
	Rates shall include supply, delivery, storage, installation, accessories, supports. Installation to be in accordance with specifications, SANS standards for complete project up to the satisfaction of the Engineer(s).							
	Note: Some items measured hereunder maybe additional to items measured in schedule of materials installed by electronic subcontractor and therefore shall be thoroughly coordinated and checked.							
	Note: All material shall be SABS approved.							
2.1	Transformer T1 to DB1-LT							
	Connect 600V/1000V reticulation cables, bare Copper earth conductors installed in trenches, sleeves, cable ladders or cable trays.							
a	Pair existing 120 mm ² , 4-core and 2x95mm ² , 4-core PVC/PVC/SWA/PVC Copper cables to run in parallel as one circuit on each end using already installed cable terminations.	No	2					
b	120 mm ² , 4-core PVC/PVC/SWA/PVC cable terminations.	No	4					
2.2	DB1-LT to DB1-26 (Data Tower)							
	Supply, deliver, install and connect 600V/1000V reticulation cables, bare Copper earth conductors installed in trenches, sleeves, cable ladders or cable trays.							
	Supply, deliver and install cable terminations including all fastening materials, glands, shrouds, lugs and the connection of the cable lugs to the specified terminal equipment and connectors:							
	Cables to have stranded Copper conductors. (Installation rate to include for installation of cable within wireways, trays ducts, sleeves, trenches, etc).							
a	16 mm ² , 4-core PVC/PVC/SWA/PVC Copper cable.	m	180					
b	16 mm ² , 4-core PVC/PVC/SWA/PVC cable terminations.	No	4					
c	10 mm ² , bare Copper earth wire.	m	180					
d	10 mm ² , bare earth Copper wire terminations.	No	4					
2.3	Changeover Panel to Generator to DB1-LT							
	Supply, deliver, install and connect 600V/1000V reticulation cables, bare Copper earth conductors installed in trenches, sleeves, cable ladders or cable trays.							
	Supply, deliver and install cable terminations including all fastening materials, glands, shrouds, lugs and the connection of the cable lugs to the specified terminal equipment and connectors:							
	Cables to have stranded Copper conductors. (Installation rate to include for installation of cable within wireways, trays ducts, sleeves, trenches, etc).							
a	95 mm ² , 4-core PVC/PVC Copper cable.	m	20					
b	95 mm ² , 4-core PVC/PVC cable terminations.	No	4					
c	50 mm ² , bare Copper earth wire.	m	20					
d	50 mm ² , bare earth Copper wire terminations.	No	4					
2.4	Main LT DB (MDB1/2) to DB2-19 (Radiology)							
a	50 sq. mm 4 core PVC/PVC/SWA/PVC Copper cable.	m	135					
b	50 sq. mm 4 core PVC/PVC/SWA/PVC cable terminations.	No	2					
c	35 sq. mm bare Copper earth wire.	No	135					
d	35 sq. mm bare earth Copper wire terminations.	m	2					
Total Carried Forward To Summary								

North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 2: Low Voltage Distribution

Section 3: Low Voltage Metering

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COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11_Electrical Installation

Schedule 2: Low Voltage Distribution

Section 4: Trenching

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 4: TRENCHING							
	Rates shall include supply, delivery, storage, installation, accessories, supports. Installation to be in accordance with specifications, SANS standards for complete project up to the satisfaction of the Engineer(s).							
	Note: Some items measured hereunder maybe additional to items measured in schedule of materials installed by electronic subcontractor and therefore shall be thoroughly coordinated and checked.							
	Note: All material shall be SABS approved.							
4.1	UNDERGROUND SCANNING							
a	GPR, GeoScan, Utility Locating.							
	Contractor to present GPR scanner to Engineer for approval and issue a scanning report upon completion of scanning the ground.	m	100					
b	Analyse data and issue report.	No	1					
4.2	CONSTRUCT CABLE TRENCHES							
	Excavate, normal backfill compacted to 85% MMDD for 450-600 mm wide x 700-1100 mm deep measured in linear length.							
	Rate shall include lifting finished surfaces such as paving, kerbs, grass etc. and reinstatement to original state or better. Rate shall also be inclusive of re-instatement and compaction of excavated materials.							
	All sleeves shall be laid on a 150 mm thick bedding of sifted river sand as well as a covering of an equal thickness of the same material where required.							
	Trenches shall be excavated to following minimum depths below the finished ground level irrespective of the size of sleeve installed;							
	i) 1000 mm for medium voltage (MV) cables							
	ii) 700 mm for low voltage (LV) cables							
	iii) 900mm for fibre cables							
a	In hand-pickable soil.	m	230					
b	In soft rock.	m	10					
c	In hard rock.	m	2					
d	Supply and installation of sifted sand in trenches.	m³	22					
e	PVC danger warning tape installed 300 mm above cable.	m	230					
4.3	ROAD CUTTING							
	Road surface excavation (micro groove) width 30 mm, depth 100 mm.							
	Workload including but not limited to: Using cutting machine cut road material, dig road surface, fix up bottom of trench, place dregs at the side of trench properly. Prepare road materials, according to the original standard to recover the road surface, including materials.							
	Paving shall be lifted and not cut.							
a	Concrete surface	m	20					
b	Asphalt	m	20					
c	Paving	m	20					
Total Carried Forward								

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11_Electrical Installation

Schedule 2: Low Voltage Distribution

Section 4: Trenching

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
	Conventional road crossing (Saw Cut) width 450 mm, depth 100 mm. Workload including but not limited to: Using saw to cut road material, dig road surface, fix up bottom of trench, place dregs at the side of trench properly. Prepare road materials, according to the original standard to recover the road surface, including materials. Paving shall be lifted and not cut.							
d	Concrete surface	m	20					
e	Asphalt	m	20					
f	Paving	m	20					
4.4	CABLE SLEEVES							
a	Supply and install 110 mm Ø HDPE sleeves (Code Name Kabelflex - Black) or similar in excavated trenches including sealing of sleeve ends. Note: Excavation is measured separately.	m	30					
b	Supply and install 110 mm Ø HDPE sleeves (Code Name Kabelflex - Green) or similar in excavated trenches including sealing of sleeve ends. Note: Excavation is measured separately.	m	1					
c	Supply and install 50 mm Ø HDPE sleeves (Code Name Kabelflex - Black) or similar in excavated trenches including sealing of sleeve ends. Note: Excavation is measured separately.	m	30					
d	Supply and install 50 mm Ø HDPE sleeves (Code Name Kabelflex - Green) or similar in excavated trenches including sealing of sleeve ends. Note: Excavation is measured separately.	m	1					
f	Remove debris and blockages from sleeves.	No	5					
4.5	INSPECTION PIT							
a	Clean and remove debris from manhole.	No	10					
4.6	SUNDRIES							
a	Supply and install cable markers indicating ring cable route as specified in the Technical Specification.	No.	20					
b	Erect danger warning signage made out of barricading tape including supports, etc., as required by law and as described for open trenches and areas where machinery is being used.	m						
c	Provide 5.0 mm dia. drawwire for electronic services sleeves.	m	65					

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 2: Low Voltage Distribution

Section 5: Testing and Commissioning

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 5: TESTING AND COMMISSIONING							
5.1	INSPECTION							
a	Inspect complete installation for each building and include in consolidated report with pictures; Work to involve; Checking, measuring and confirming; - Size of distribution board i.e number of spare ways and spare space. - Cable sizes for circuits feeding socket outlets, lights, HVAC equipment and any other equipment. - Indicate the ratings of protective devices for each circuit. - Open and close circuits from switches, disconnectors and switch-disconnectors and record each result. NB: Installation and remedial work related to the problems stated above shall <u>ONLY</u> be executed upon engineer's instruction.	No	28					
b	Pre-installation duct testing (Ball bearing test). Check that all existing sleeves for electronic services are continuous. Issue a report of findings to the Engineer in your report indicate all blocked locations.	m	300					
5.2	PRE-TESTS							
	Conduct the following tests (Include test results and findings in your consolidated report prior to executing any installation or remedial works); i. Continuity of protective conductors. ii. Insulation resistance. iii. Protection by separation of circuits. iv. Floor and wall resistance. v. Automatic disconnection of supply. vi. Polarity. vii. Functional performance. viii. Phase rotation. NB: The tests mentioned above shall <u>ONLY</u> be conducted in the presence of the engineer or his representative to remain valid.							
a	DB1-LT (MDB-1 & MDB-2)	No.	1					
b	K-1	No.	1					
c	K-2	No.	1					
d	K-3	No.	1					
5.3	TEST AND COMMISSION							
	Test, commission and issue a COC for the complete installation for all circuits including earth conductors, switchgear, auxiliary equipment, fixed equipment, appliances, etc., in accordance with the SANS 0142-1 (2017) and OHS Act 1993 requirements per Distribution Board:							
a	DB1-LT (MDB-1 & MDB-2)	No.	1					
b	K-1	No.	1					
c	K-2	No.	1					
d	K-3	No.	1					
Total Carried Forward To Summary								

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11_Electrical Installation

Schedule 2: Low Voltage Distribution

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT (RAND)
1	Section 1: Distribution Boards	.....
2	Section 2: Low Voltage Cabling	.....
3	Section 3: Low Voltage Metering	.....
4	Section 4: Trenching	.....
5	Section 5: Testing and Commissioning	.....
Total Carried Forward To Summary Of Schedules		.....

North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 3: Building Services [Electrical]

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 1: DISTRIBUTION BOARDS							
	Complete Supply and installation: Building Services [Electrical]							
	Rates shall include supply, delivery, storage, installation, accessoires, supports. Installation to be in accordance with specifications, SANS standards for complete project up to the satisfaction of the Engineer(s).							
	Note: Some items measured hereunder maybe additional to items measured in schedule of materials installed by electronic subcontractor and therefore shall be thoroughly coordinated and checked.							
	Note: All material shall be SABs approved.							
1.1	Distribution Board Modification							
1.1.1	Supply, deliver and install the following items to ensure compliance with latest SANS regulations and OHS safety Act on distribution board as follows;							
a	Typed 80mg legend card in DB and number all switchgear to correspond to legend card in accordance with DOH specifications.	No	30					
b	Danger warning signs in DB in accordance with DOH specifications.	No	30					
c	200A TP+N 10kA Shunt Trip coil (1) N.O./N.C.auxiliary contacts Main Switch for DB1-20	No	1					
d	160A TP+N 10kA Shunt Trip coil (1) N.O./N.C.auxiliary contacts Main Switch.	No	3					
e	100A TP+N 10kA Shunt Trip coil (1) N.O./N.C.auxiliary contacts Main Switch.	No	1					
f	80A TP+N 10kA Shunt Trip coil (1) N.O./N.C.auxiliary contacts Main Switch.	No	1					
1.1.2	Supply, deliver and install the following protective devices to modify internal DB wiring according to latest SANS standards as per engineer's instructions. Refer to wiring diagrams for full details. NB: Minimum fault level current rating shall be 5kA. MCBs shall be of the same manufacture throughout the DB.							
a	3P+N surge protection unit Class II	No	1					
b	63 A TP (6 kA) mcb	No	1					
c	63 A DP (6 kA) mcb	No	1					
d	30 A SP (6 kA) mcb	No	1					
e	25 A SP (6 kA) mcb	No	1					
f	20 A SP (6 kA) mcb	No	1					
g	20 A SP+N (6 kA) mcb	No	8					
h	15 A SP (6 kA) mcb	No	1					
i	10 A SP (6 kA) mcb	No	1					
j	5 A SP (6 kA) mcb	No	1					
k	Supply, deliver and install ELCB as required for heating loads as per SANS 10142-1 (2017) requirements.							
	60A DP 30mA earth leakage protection unit	No	75					
1.1.3	Service and maintain distribution board as follows;							
Total Carried Forward								

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Schedule 3: Building Services [Electrical]

Section 1: Distribution Boards

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
a	Clean DB and remove stains, dirt and dust. Neatly arrange cables in DB. Ensure doors and panels fit and close appropriately. Ensure all circuits are correctly installed, i.e Live, Neutral & Earth. Ensure circuits feed correct appliances. Fix any Tripping circuits? Ensure all circuits are correctly installed, i.e Live, Neutral & Earth. Ensure circuits feed correct appliances. Fix any Tripping circuits? Identify any wires that are inappropriately sized and equipped with correct circuit protective devices. Tighten any loose connections.	No	18					
	Supply and install distribution board as detailed and specified on the wiring diagram, standard quality specification for general electrical installations (CHCs) (DOH) and standard quality specification for electrical material and equipment (CHCs) (DOH). Distribution board shall comply with SANS 1765 Part II and shall be equipped with a 1.6mm thick minimum sheet steel reinforced tray, suitably braced and stiffened to carry the chassis, door and equipment. Distribution board shall be rendered moisture proof and vermin proof and shall be adequately ventilated according to IP54 minimum. All distribution board doors shall have high security sliding locking mechanism that will withstand vandalism and must be padlockable by means of rectangular type padlocks. The locking mechanism shall have a cover that prohibits the use of a bolt cutter to remove the padlock whilst providing easy access for operation. (Refer to drawing detail). Body to be coloured "Red" with powder coating, front panels "Red", complete with all accessories and sheet metal and all frames, sub-frames, busbars, fixtures, fittings, labels, signs, legend-cards etc. NB: Distribution Boards to be fitted in the factory and tested in accordance to specifications. Rate shall include delivery, off-loading and storage to site.							
1.1.4	Remove, decommission and store away Distribution Board including removal/disconnection of main supply cable.							
a	Distribution Board DB1-4 (Existing Emergency unit DB)	No	1					
1.2	New Distribution Boards							
	Supply and install distribution board as detailed and specified on the wiring diagram, standard quality specification for general electrical installations (CHCs) (DOH) and standard quality specification for electrical material and equipment (CHCs) (DOH). Distribution board shall comply with SANS 1765 Part II and shall be equipped with a 1.6mm thick minimum sheet steel reinforced tray, suitably braced and stiffened to carry the chassis, door and equipment. Distribution board shall be rendered moisture proof and vermin proof and shall be adequately ventilated according to IP54 minimum. All distribution board doors shall have high security sliding locking mechanism that will withstand vandalism and must be padlockable by means of rectangular type padlocks. The locking mechanism shall have a cover that prohibits the use of a bolt cutter to remove the padlock whilst providing easy access for operation. (Refer to drawing detail). Body to be coloured "Red" with powder coating, front panels "Red", complete with all accessories and sheet metal and all frames, sub-frames, busbars, fixtures, fittings, labels, signs, legend-cards etc. NB: Distribution Boards to be fitted in the factory and tested in accordance to specifications. Rate shall include delivery, off-loading and storage to site.							
1.2.1	Distribution Board DB1-25 (Fire pump room)	No	1					
Total Carried Forward								

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Schedule 3: Building Services [Electrical]

Section 2: Wireways and Channeling Systems

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 2: WIREWAYS AND CHANNELING SYSTEMS							
	General statement on rates: Rates shall include supply, delivery, storage, installation. Installation to be in accordance with specifications, SANS standards for complete project up to the satisfaction of the Engineer(s).							
	Note: Some items measured hereunder maybe additional to items measured in schedule of materials installed by Electronic Subcontractor and therefore shall be thoroughly coordinated and checked.							
	Note: All material shall be SABS approved.							
2.1	CONDUITS							
	In addition to the general statement on rates above, rates for conduit shall also include all accessories such as couplers, adapters, bends, round elbows, tees, end caps, saddles, fixers, adhesives, etc., excepting junction/outlet boxes. Where chasing of brickwork or concrete media is required the rates shall be inclusive. Where drilling through brickwork and/or concrete media of up to 300 mm deep for 10 - 25 mm Ø conduit is required, the rate shall be inclusive.							
	Conduit laid prior to pouring concrete:							
a	20 mm Ø PVC.	m	550					
b	25 mm Ø PVC.	m	50					
	Conduit chased into concrete with the use of an angle grinder and surface to be made good with matching plaster and/or concrete:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of new tiling shall be measured separately.							
c	20 mm Ø PVC.	m	550					
d	25 mm Ø PVC.	m	50					
	Conduit chased into brick work and surface made good with matching plaster and/or tiling material:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of new tiling shall be measured separately.							
e	20 mm Ø PVC.	m	1,500					
f	25 mm Ø PVC.	m	100					
	Conduit surface mount in ceiling void or applicable area:							
g	20 mm Ø PVC.	m	3,500					
h	25 mm Ø PVC.	m	20					
i	20 mm Ø light duty galvanized steel.	m	20					
j	25 mm Ø light duty galvanized steel.	m	20					
k	20 mm Ø PVC flexible conduit.	m	20					
l	25 mm Ø PVC flexible conduit.	m	20					
2.2	CONDUIT BOXES							
	Supply and install conduit boxes complete with all accessories including conduit adaptors:							
	Outlet boxes excluding covers:							
b	100 mm x 50 mm x 50 mm pressed steel.	No	10					
a	100 mm x 100 mm x 50 mm pressed steel.	No	15					
b	3 compartment galvanized steel outlet box for bed head unit.	No	9					
Total Carried Forward								

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Schedule 3: Building Services [Electrical]

Section 2: Wireways and Channeling Systems

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
	Round boxes including covers:							
a	PVC 60 mm round, 25 mm deep for 20 mm Ø conduit.	No	10					
b	Galvanized steel 60 mm round, 25 mm deep junction box for 20 mm Ø conduit.	No	15					
c	Galvanized steel 60 mm round, 25 mm deep junction box for 25 mm Ø conduit.	No	12					
2.3	DRAW BOXES							
	Supply and install draw box. Draw box shall be mild steel front access with standard lockable latch type door handles. Body to be coloured "White" powder coating complete with all accessories and sheet metal and all frames, sub-frames.							
a	Recessed wall mount 600 mm long x 450 mm wide x 110 mm deep distribution/junction/draw box.	No	3					
b	Recessed wall mount 450 mm long x 300 mm wide x 125 mm deep distribution/junction/draw box.	No	3					
c	Surface wall mount 450 mm long x 300 mm wide x 125 mm deep distribution/junction/draw box.	No	6					
d	Surface mount extension box, 100 mm x 100 mm x 50 mm galv steel painted white.	No	4					
2.4	WIRING TRUNKING							
	Supply and install pregalvanized steel wiring trunking complete with accessories such as support fixtures, suspension fixtures, fittings, bends, stop ends, covers, junction units, internal angles, etc. but excluding wiring.							
a	76 x 63 mm (P8000) wiring duct c/w cover.	m	150					
b	127 mm x 76 mm, 0.8 mm thick (P9000) wiring trunking with cover plates.	m	100					
	PVC wiring trunking compact mini complete with accessories such as internal angles, stop ends, bends, covers etc. but excluding wiring.							
b	25 x 16 mm (YT/2) wiring duct and c/w cover.	m	250					
c	40 x 16 mm (YT/4) wiring duct and c/w cover.	m	100					
2.5	POWER SKIRTING							
	Supply and install aesthetic textured to hospital grey finish multiskirt aluminum power skirting complete with all accessories including bends, elbows, end caps cover plates etc.							
a	2 compartment multi-skirt trunking fixed to brick work with cover plates.	m	70					
2.6	CABLE TRAYS							
	Supply and install medium duty hot dip galvanized welded wire mesh cable tray complete with all accessories including bends, junction units, suspension fixtures, elbows, splices, fittings, fasteners, etc:							
a	100 mm wide, 50 mm high cable tray.	m	200					
	Supply and install medium duty hot dip galvanized perforated cable tray complete with all accessories including bends, junction units, suspension fixtures, cover, elbows, splices, fittings, fasteners, etc:							
b	100 mm wide, 25 mm high cable tray c/w cover.	m	50					
2.7	BED HEAD UNITS							
Total Carried Forward								

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Section 2: Wireways and Channeling Systems

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
	Supply, deliver, install, test and commission the surface mount medical trunking (bed head unit) as specified in the Technical Specifications complete with all accessories. NB: Refer to drawing 1115B-EL-25 and technical specification for details.							
a	Type 1	No	1					
b	Type 2	No	1					
c	Type 3	No	1					
	Modify bedhead unit including internal wiring to accommodate medical IT sockets as specified in the Technical Specifications complete with all accessories. Work shall include making cut-outs for new double pole medical IT outlets, nurse call outlets, data outlets. NB: Refer to drawing 1115B-EL-25 and technical specification for details.							
d	Type 3	No	6					
	Supply, deliver, install, test and commission the surface mount aluminium service duct as specified in the Technical Specifications complete with all accessories. NB: Refer to drawing 1115B-EL-25 and technical specification for details. Surface finish shall match existing/new bed head unit.							
e	2000 - 2500 mm unit	No	46					
2.8	SUNDRIES							
	Blank covers c/w screws;							
a	Blank steel cover plate (White) for 100 mm x 50 mm conduit box.	No	5					
b	Blank steel cover plate (White) for 100 mm x 100 mm conduit box.	No	5					
c	PVC cover for 60 mm round, 25 mm deep, for 25 mm Ø junction box.	No	10					
	Drawwire:							
d	Supply and install 2.0 mm dia. drawwire in electronic cable wireways.	m	150					
Total Carried Forward To Summary								

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Schedule 3: Building Services [Electrical]

Section 4: Appliances

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 4: APPLIANCES							
4.1	SOCKETS OUTLETS							
4.1.1	Supply, deliver and install power skirting mounted socket outlets. The rate shall include all other accessories that shall make the installation operational including cover plates.							
a	250 V, 16 A, standard round 3-pin for power skirting mounting 1 gang switched socket outlet c/w steel cover plate (white) suitable to accommodate SANS 164-1 socket outlet as per SANS 10142-1 (2017) requirements.	No	30					
b	250 V, 16 A, small round 3-pin for power skirting mounting 1 gang switched socket outlet c/w steel cover plate (white) suitable to accommodate SANS 164-2 socket outlets as per SANS 10142-1 (2017) requirements.	No	1					
c	250 V, 16 A, horizontally shaved earth, standard round 3 pin for power skirting mounting 1 gang switched socket outlet c/w steel cover plate (Red - Dedicated) suitable to accommodate SANS 164-1 socket outlet as per SANS 10142-1 (2017) requirements.	No	1					
d	250 V, 16 A, 45° shaved earth, standard round 3 pin for power skirting mounting 1 gang switched socket outlet c/w steel cover plate (Red - Dedicated) suitable to accommodate SANS 164-1 socket outlet as per SANS 10142-1 (2017) requirements.	No	1					
4.1.2	Supply, deliver and install flush mounted socket outlets. The rate shall include all other accessories that shall make the installation operational including cover plates.							
a	250 V, 16 A, standard 3-pin flush mounted, single switched socket outlet c/w steel cover plate (white) as per SANS 164-1.	No	5					
b	250 V, 16 A, standard 3-pin flush mounted, double switched socket outlet c/w steel cover plate (white) as per SANS 164-1.	No	5					
c	250 V, 16 A, combination flush mounted, 3 gang switched socket outlet with 1 x standard round 3-pin & 2 x 3 small round pin ZA socket complete with steel cover plate (white) suitable to accommodate SANS 164-1 & SANS 164-2 combination socket outlets as per SANS 10142-1 (2017) requirements.	No	710					
d	250 V, 16 A, horizontally shaved earth, standard 3-pin flush mounted, single switched socket outlet c/w steel cover plate (Red - Dedicated) as per SANS 164-1.	No	1					
e	250 V, 16 A, 53° clockwise shaved earth, standard 3-pin flush mounted, single switched socket outlet c/w steel cover plate (Blue - Dedicated) as per SANS 164-1.	No	1					
4.1.3	Supply, deliver and install surface mounted socket outlets. The rate shall include all other accessories that shall make the installation operational including cover plates and surface mounted outlet box.							
a	250 V, 16 A, standard 3-pin, surface mount single switched socket outlet c/w steel cover plate (white) and with surface mounted outlet box.	No	1					
b	250 V, 5 A, standard 3-pin socket module unswitched c/w steel cover plate (white) and with 60mm PVC round surface mounted box. NB: Socket shall be used for plugging specific light fittings and shall be mounted on roof trusses or slab.	No	100					
4.1.4	Supply, deliver and install surface mounted socket outlets enclosed in IP54 weather box. The rate shall include all other accessories that shall make the installation operational including cover plates and weather box.							
a	250 V, 16 A, standard 3-pin socket surface mount unswitched module c/w steel cover plate (white) and with surface mounted outlet box.	No	1					
Total Carried Forward								

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Section 4: Appliances

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
4.1.5	Supply, deliver and install wire trunking mounted socket outlets. The rate shall include all other accessories that shall make the installation operational including cover plates where applicable.							
a	250 V, 5 A, standard 3-pin wiring trunking socket module unswitched c/w steel cover plate (white). NB: Socket shall be used for plugging specific light fittings and shall be mounted on wire trunking.	No	1					
4.1.6	Uninstall socket outlets irrespective of type and store safely.							
a	All types.	No	400					
4.2	ISOLATORS							
4.2.1	Supply, deliver and install power skirting mounted isolators The rate shall include all other accessories that shall make the installation operational including cover plates.							
a	250 V, 20 A, double pole isolator for power skirting mounting c/w steel cover plate (white).	No	4					
4.2.2	Supply, deliver and install flush mounted isolators. The rate shall include all other accessories that shall make the installation operational including cover plates.							
a	250 V, 20 A, double pole isolator, flush mounted, c/w steel cover plate (white).	No	15					
b	250 V, 32 A, double pole isolator, flush mounted, c/w steel cover plate (white).	No	12					
c	250 V, 60 A, double pole isolator, flush mounted, c/w steel cover plate (white).	No	12					
4.2.3	Supply, deliver and install surface isolators enclosed in IP54 weather box. The rate shall include all other accessories that shall make the installation operational including cover plates and weather box.							
a	250 V, 20 A, double pole isolator, surface mounted c/w steel cover plate (white) and with surface mounted outlet box.	No	36					
b	250 V, 32 A, double pole isolator, surface mounted c/w steel cover plate (white) and with surface mounted outlet box.	No	2					
4.2.4	Uninstall isolator irrespective of type and store safely.							
a	All types.	No	20					
5.7	MECHANICAL SWITCHES							
	Supply, deliver and install light switch complete with steel cover plate and all accessories:							
a	16 A one lever, 1-way flush mount switch complete with cover plate.	No	32					
b	16 A one lever, 2-way flush mount switch complete with cover plate.	No	2					
c	16 A two lever, 1-way flush mount switch complete with cover plate.	No	6					
d	16 A two lever, 1-way & 2-way flush mount switch complete with cover plate.	No	4					
e	16 A 3 way rotary dimmer switch unit complete with cover plate.	No	4					
5.8	ELECTRONIC SWITCHES							
	Supply, deliver and install electronic switches complete with all accessories and as mounted:							
a	20 A photocell installed in outdoor bulkhead light fitting with clear diffuser and IP65.	No	7					
Total Carried Forward								

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Section 4: Appliances

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
b	250V, 15 Ampere 2-wire dual technology 360 degree occupancy sensor ultrasonic and passive infrared ceiling sensor of ~ 50 mm² coverage, occupancy delay time of 6-15 minutes c/w power supply unit and interconnections:	No	152					
5.9	CONTROL GEAR							
	Supply, deliver and install control gear complete with all accessories and as mounted:							
a	16 A dimmer switch module.	No	4					
b	14W T5 electronic ballast for fluorescent luminaire.	No	4					
c	28W T5 electronic ballast for fluorescent luminaire.	No	4					
d	54W T5 electronic ballast for fluorescent luminaire.	No	4					
e	18W T8 electronic ballast for fluorescent luminaire.	No	4					
f	36W T8 electronic ballast for fluorescent luminaire.	No	4					
g	58W T8 electronic ballast for fluorescent luminaire.	No	4					
h	T5 stater for fluorescent/LED luminaire.	No	4					
i	T8 stater for fluorescent/LED luminaire.	No	4					
5.10	Uninstall switches irrespective of type and store safely.							
a	All types.	No	20					
5.11	Connect fixed equipment (including 1m kopex sprague and connector).							
a	3-phase plus earth.	No	12					
b	Single phase plus earth wire.	No	12					
5.12	SUNDRIES							
a	Blank steel cover plate (White) for 100 mm x 50 mm conduit box.	No	2					
b	Blank steel cover plate (White) for 100 mm x 100 mm conduit box.	No	10					
c	Supply and install engraved labels on each light switch, SSO and isolator face plate, glued and screwed.	No	700					
Total Carried Forward To Summary								

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Schedule 3: Building Services [Electrical]

Section 5: Electrical Equipment

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT		
							R	c	
	SECTION 4: ELECTRICAL EQUIPMENT								
4.1	Uninstall equipment listed below irrespective of type and store safely.								
a	230V, 52" Decor industrial ceiling fan of white finish complete with fan control unit.	No	25						
b	750W, 230 VAC, panel space heater.	No	30						
4.2	MEDICAL ISOLATING TRANSFORMER MONITORING PANEL								
a	<p>Supply and install standard isolated power panel complete with built-in medical isolation transformer. The panel shall be for single phase, 50Hz, 5 kVA medical isolating transformers (Isolock) as installed. Panel shall give visual indication of the level of current in milliamperes (mA). If the system reaches a threshold of 3.7 mA, the visual and audible alarm indicates the presence of an excessive amperage level instead of disconnecting the circuit.</p> <p>The Panel shall serve the emergency building and shall be located as per drawings with clear line of visibility to nurse station.</p> <p>A line isolation monitor (LIM) indicates possible leakage or fault currents from all isolated conductors to ground</p> <ul style="list-style-type: none">- A green LED remains lit when the system is adequately isolated from ground.- Under normal voltage conditions, a red LED lamp and audible warning signal activate when a fault hazard current (fault leakage current only) reaches a threshold value of 3.7 mA, or when the total hazard current reaches a threshold value of 5.0 mA.- A digital display indicates the totla hazard current of the system. <p>Standard Panel</p> <ul style="list-style-type: none">- for 5kVA isolation transformer- connect up to 16 circuits. <p>Isolation Transformer</p> <ul style="list-style-type: none">- 5 kVA- Primary voltages: 240 V- Secondary voltages: 120 V- Class 180 insulation- Electrostatic shiel- Maximum sound level of 35dB- Low leakage- Compliance with UL 1047 and CSA Z32.2 <p>Panel Interior</p> <ul style="list-style-type: none">- Accepts plug-on or bolt-on branch circuit breakers- 100 A interiors <p>Branch Circuit Breakers</p> <ul style="list-style-type: none">- 10k AIR- QO (plug on) or QOB (bolt on)- 20 A: 2-pole (120 V)- 20, 30 50 or 60 A; 2-pole (208 or 240 V) <p>Primary Circuit Breakers</p> <ul style="list-style-type: none">- QO circuit breakers for 120, 208 and 240 V system- H-frame circuit breakers for 277 and 480 V systems- 2-pole <p>Line Isolation Monitor (LIM)</p> <ul style="list-style-type: none">- Automatic operating voltage selection- Automatic self test with data logging- Communication bus with centralized monitoring of LIM installations- Built-in ground fault location system- Plain text menu interface- Electrical system measurements for determining root cause of detected fault	No.	1					17,500	00
Total Carried Forward To Summary									

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Schedule 3: Building Services [Electrical]

Section 6: Light Fixtures

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 6: LIGHT FIXTURES							
6.1	LUMINAIRES							
	Supply, delivery and installation of light fittings complete with lamps, electronic control gear and all accessories:							
a	Type A1 Recessed mount 1200mm long x 600mm wide fluorescent IP20 luminaire c/w 4 x 28W T5 cool white lamp, double parabolic louvered reflectors & ECG (Similar or equal to currently installed fitting)	No	6					
b	Type A2 Recessed mount 1200mm long x 300mm wide fluorescent IP20 luminaire c/w 2 x 28W T5 cool white lamp, double parabolic louvered reflectors & ECG (Similar or equal to currently installed fitting)	No	1					
c	Type A3 Recessed mount 600mm long x 600mm wide fluorescent IP20 luminaire c/w 3 x 14W T5 cool white lamp, double parabolic louvered reflectors & ECG (Similar or equal to currently installed fitting)	No	4					
d	Type A4 Recessed mount slim 1200mm long x 600mm wide LED panel IP20 luminaire c/w 72W cool white LED lamp, aluminium frame, polycarbonate diffuser, LED driver & 3m cabtyre, white (Similar or equal to Spazio LED Panel Recessed 60 x 120)	No	5					
e	Type A5 Recessed mount slim 1200mm long x 300mm wide LED panel IP20 luminaire c/w 40W cool white LED lamp, aluminium frame, polycarbonate diffuser, LED driver & 3m cabtyre, white (Similar or equal to Spazio LED Panel Recessed 30 x 120)	No	1				Rate Only	
f	Type A6 Recessed mount slim 600mm long x 600mm wide LED panel IP20 luminaire c/w 36W cool white LED lamp, aluminium frame, polycarbonate diffuser, LED driver & 3m cabtyre, white (Similar or equal to Spazio LED Panel Recessed 60 x 60)	No	1				Rate Only	
g	Type A2 Recessed mount 1200mm long x 300mm wide fluorescent IP20 luminaire c/w 2 x 28W T5 cool white lamp, double parabolic louvred reflectors & ECG (Similar or equal to currently installed fitting)	No	1					
h	Type A3 Recessed mount 600mm long x 600mm wide fluorescent IP20 luminaire c/w 3 x 14W T5 cool white lamp, double parabolic louvred reflectors & ECG (Similar or equal to currently installed fitting)	No	4					
i	Type B1 Surface mount 1200mm long x 600mm wide fluorescent IP20 luminaire c/w 4 x 28W T5 cool white lamp, double parabolic louvred reflectors & ECG (Similar or equal to currently installed fitting)	No	1					
j	Type B2 Surface mount 1200mm long x 300mm wide fluorescent IP20 luminaire c/w 2 x 28W T5 cool white lamp, double parabolic louvred reflectors & ECG (Similar or equal to currently installed fitting)	No	5					
Total Carried Forward								

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Schedule 3: Building Services [Electrical]

Section 6: Light Fixtures

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
k	Type B3 Surface mount 600mm long x 600mm wide fluorescent IP20 luminaire c/w 3 x 14W T5 cool white lamp, double parabolic louvred reflectors & ECG (Similar or equal to currently installed fitting)	No	5					
l	Type C1 Surface mount 1200mm long x 600mm wide fluorescent IP20 luminaire c/w 4 x 36W T5 cool white lamp, prismatic diffuser & ECG (Similar or equal to currently installed fitting)	No	1					
m	Type C2 Surface mount 1200mm long x 300mm wide fluorescent IP20 luminaire c/w 2 x 28W T5 cool white lamp, prismatic diffuser & ECG (Similar or equal to currently installed fitting)	No	10					
n	Type C3 Surface mount 600mm long x 600mm wide fluorescent IP20 luminaire c/w 3 x 14W T5 cool white lamp, prismatic diffuser & ECG (Similar or equal to currently installed fitting)	No	10					
o	Type C4 Surface mount slim 1200mm long x 600mm wide LED backlit panel IP20 luminaire c/w 72W cool white LED lamp, aluminium frame, polycarbonate diffuser, LED driver & 3m cabtyre, white (Similar or equal to Spazio LED backlit panel Surface 60 x 120)	No	1				Rate Only	
p	Type C5 Surface mount slim 1200mm long x 300mm wide LED backlit panel IP20 luminaire c/w 40W cool white LED lamp, aluminium frame, polycarbonate diffuser, LED driver & 3m cabtyre, white (Similar or equal to Spazio LED backlit panel Surface 30 x 120)	No	1				Rate Only	
q	Type C6 Surface mount slim 600mm long x 600mm wide LED backlit panel IP20 luminaire c/w 36W cool white LED lamp, aluminium frame, polycarbonate diffuser, LED driver & 3m cabtyre, white (Similar or equal to Spazio LED backlit panel Surface 60 x 60)	No	1				Rate Only	
r	Type D Round downlight c/w 1 x 18W cool white CFL lamp (Steel body with anodised aluminium reflector downlight, similar or equal to Radiant BA10)	No	5					
s	Type E Round downlight c/w 1 x 18W cool white CFL lamp (Steel body with anodised aluminium reflector downlight, similar or equal to Radiant BA39)	No	5					
t	Type E2 Round recessed downlight c/w 6W cool white LED lamp polycarbonate body and diffuser, 120 deg. beam angle & LED driver dimmable downlight (Similar or equal to Spazio Saturn CTC).	No	100					
u	Type F Surface mount round bulkhead IP65 c/w 2X18W warm white CFL lamps, high impact acrylic polycarbonate diffuser & ECG (Outdoor bulkhead luminaire similar or equal to Beka Series 30)	No	1					
v	Type H 1200mm long polycarbonate body ceiling fluorescent luminaire c/w 2 x 28W T5 cool white lamp, IP65 (Vapourproof), prismatic diffuser & ECG (Similar or equal to Radiant KB53).	No	15					
Total Carried Forward								

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11_Electrical Installation

Schedule 3: Building Services [Electrical]

Section 6: Light Fixtures

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
w	Type H1 1200mm long cold rolled mild steel body ceiling fluorescent luminaire c/w 2 x 28W T5 cool white lamp, white epoxy diffuser & ECG (Similar or equal to).	No	5					
x	Type O Metal body with frosted bayonet lock-on glass shade decorative ceiling light c/w 18W CFL cool white (Similar or equal to Radiant JL25).	No	10					
6.2	EMERGENCY LUMINAIRES							
	Supply, delivery and installation of light fittings complete with lamps, electronic control gear and all accessories:							
a	Type EXIT-1 Non-maintained surface mount emergency exit pictogram luminaire.	No	1					
b	Type EXIT-2 Non-maintained surface mount emergency exit pictogram luminaire with running man and right arrow.	No	1					
c	Type EXIT-3 Non-maintained surface mount emergency exit pictogram luminaire with running man and left arrow.	No	1					
d	Type EXIT-2/3 Non-maintained surface mount emergency exit pictogram luminaire double sided with running man and left /right arrow.	No	1					
e	Type EXIT-4 Non-maintained surface mount emergency exit pictogram luminaire with running man and down arrow.	No	1					
f	Type EMERG Non-maintained surface mount emergency illumination light c/w 2X18W fluorescent lamps, acrylic prismatic diffuser & battery pack & CCG.	No	35					
5.6	SERVICING LUMINAIRES							
	Uninstall, store safely, clean with appropriate detergent, re-install and recommission existing luminaires,							
a	Interior light fixture	No	28					
b	Outdoor bulkhead	No	7					
	Repairs to light fixtures: Supply, store and install the spares listed below;							
c	Regulator ballast	No	30					
d	Starter	No	20					
5.5	LAMPS, TUBES							
	Supply and install lamps as specified:							
a	9-18 W CFL E27, warm or cool white output.	No	10					
b	9-18 W LED E27, warm or cool white output.	No	10					
c	9-18 W CFL bi-pin, warm or cool white output.	No	10					
d	1-10 W LED GU10, warm or cool white output.	No	10					
e	8 W T5 LED lamp, warm or cool white output [600mm].	No	10					
f	14 W T5 fluorescent lamp, warm or cool white output [600mm].	No	10					
g	18 W T8 fluorescent lamp, warm or cool white output [600mm].	No	10					
h	16 W T5 LED lamp, warm or cool white output [1200mm].	No	10					
i	28 W T5 fluorescent lamp, warm or cool white output [1200mm].	No	10					
Total Carried Forward								

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11_Electrical Installation

Schedule 3: Building Services [Electrical]

Section 6: Light Fixtures

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
j	36 W T8 fluorescent lamp, warm or cool white output [1200mm].	No	10					
k	20 W T5 LED lamp, warm or cool white output [1500mm].	No	10					
l	54 W T5 fluorescent lamp, warm or cool white output [1500mm].	No	10					
m	58 W T8 fluorescent lamp, warm or cool white output [1500mm].	No	10					
5.6	MEDICAL EXAMINATION LIGHT FITTINGS							
	Supply, delivery and installation of light fittings complete with lamps, electronic control gear, mounting arm, and all accessories:							
a	Type W Wall/bedhead trunking mounted medical examination luminaire with the following features; - Mounted on wall/bedhead trunking - 220-240V AC 50 Hz operation with integral LV lighting transformer - 5xLEDs 12V DC 12W - Light field (10° spot) - Lamp contained within heat resisting high impact housing with hand grip and suitably ventilated complete with integral on/off switch - Lamp life to be min. 45000 hours - Colour temperature of lamp to be greater than 4500 K - Colour correction filter to be fitted to increase colour temperature to 4500 K - Colour rendering index >85 - Wall mounted units to have double length arms to allow a max. extension of 1500mm with 180 degree rotation of the lamp housing - Bedhead trunking units for individual beds to have double length arms to allow a max. extension of 1200mm with 180 degree rotation of the lamp housing - Installation details to be provided at the time of placement of orders - Illumination level at 1m min. 10,000 lux - 1.5m cordset and moulded plug top - Class 2 Type B electrical safety - IP54 - Body: White, Arms: Natural Anodised	No	1					
5.9	SUNDRIES							
b	Engraved labels on each light switch face plate, glued and screwed.	No	5					
Total Carried Forward To Summary								

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11_Electrical Installation

Schedule 3: Building Services [Electrical]

Section 7: Testing & Commissioning

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 7: TESTING & COMMISSIONING							
7.1	INSPECTION							
a	Inspect complete installation for each building and include in consolidated report with pictures; Work to involve; Checking, measuring and confirming; - Size of distribution board i.e number of spare ways and spare space. - Cable sizes for circuits feeding socket outlets, lights, HVAC equipment and any other equipment. - Indicate the ratings of protective devices for each circuit. - Open and close circuits from switches, disconnectors and switch-disconnectors and record each result. NB: Installation and remedial work related to the problems stated above shall <u>ONLY</u> be executed upon engineer's instruction.	No	29					
7.2	PRE-TESTS							
	Conduct the following tests (Include test results and findings in your consolidated report prior to executing any installation or remedial works); i. Continuity of protective conductors. ii. Insulation resistance. iii. Protection by separation of circuits. iv. Floor and wall resistance. v. Automatic disconnection of supply. vi. Polarity. vii. Functional performance. NB: The tests mentioned above shall <u>ONLY</u> be conducted in the presence of the engineer or his representative to remain valid.							
a	Up to 15 ways mains distribution board.	No	18					
b	16 to 24 ways mains distribution board.	No	4					
c	25 to 60 ways mains distribution board.	No	6					
d	60 ways and above mains distribution board.	No	3					
7.3	TEST, COMMISSION AND CERTIFICATE OF COMPLIANCE							
	Test, commission and issue a COC for the complete installation for all circuits including earth conductors, switchgear, auxiliary equipment, fixed equipment, appliances, etc., in accordance with the SANS 0142-1 (2017) and OHS Act 1993 requirements per Distribution Board:							
a	Up to 15 ways mains distribution board.	No	18					
b	16 to 24 ways mains distribution board.	No	4					
c	25 to 60 ways mains distribution board.	No	6					
d	60 ways and above mains distribution board.	No	3					
Total Carried Forward To Summary								

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11_Electrical Installation

Schedule 3: Building Services [Electrical]

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT (RAND)
1	Section 1: Distribution Boards	.....
2	Section 2: Wireways and Channelling Systems	.....
3	Section 3: Cabling	.....
4	Section 4: Appliances	.....
5	Section 5: Electrical Equipment	.....
6	Section 6: Light Fixtures	.....
7	Section 7: Testing & Commissioning	.....
Total Carried Forward To Summary Of Schedules		.....

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 4: Street Lighting

Section 1: Trenches

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 1: EXCAVATION AND SUPPORTS							
	Complete Supply and installation: Streetlighting							
	Rates shall include supply, delivery, storage, installation, accessories, supports. Installation to be in accordance with specifications, SANS standards for complete project up to the satisfaction of the Engineer(s).							
	Note: Some items measured hereunder maybe additional to items measured in schedule of materials installed by electronic subcontractor and therefore shall be thoroughly coordinated and checked.							
	Note: All material shall be SABS approved.							
1.1	TRENCHES FOR LOW VOLTAGE CABLES							
	Excavate, normal backfill compacted to 85% MMDD for 450-600 mm wide x 700-1100 mm deep measured in linear length.							
	Rate shall include lifting finished surfaces such as paving, kerbs, grass etc. and reinstatement to original state or better. Rate shall also be inclusive of re-instatement and compaction of excavated materials.							
	All sleeves shall be laid on a 150 mm thick bedding of sifted river sand as well as a covering of an equal thickness of the same material where required.							
	Trenches shall be excavated to following minimum depths below the finished ground level irrespective of the size of sleeve installed;							
	i) 1000 mm for medium voltage (MV) cables							
	ii) 700 mm for low voltage (LV) cables							
	iii) 900mm for fibre cables							
a	In hand-pickable soil.	m	50					
b	In soft rock.	m	1					
c	In hard rock.	m	1					
d	Supply and installation of sifted sand in trenches.	m³	10					
e	PVC danger warning tape installed 300 mm above cable.	m	50					
1.2	HOLES							
a	Excavation of 1700 mm deep holes for planting of poles.	No	1					
b	Excavation of 1000 mm deep holes for planting of poles.	No	1					
C	Excavation of 800 mm deep holes for planting of poles.	No	4					
1.3	LIGHTING SUPPORTS							
	All street lighting supports to be supplied complete with poles, switchgear compartment & cover plates, base plates where applicable etc.							
a	Supply & install 76 mm top diameter hot dipped galvanised steel mast of mineral grey paint finish with overall length of 4.2 m for direct embedment in ground and complete with accessories including circuit breaker, 2.5 mm² internal wiring, BCEW, pole earthing, access cover as per specifications	No	4					
b	Supply & install 76 mm top diameter hot dipped galvanised steel mast of mineral grey paint finish with overall length of 3.6 m for direct embedment in ground and complete with accessories including circuit breaker, 2.5 mm² internal wiring, BCEW, pole earthing and access cover as per specifications	No	1					
c	Supply & install 76 mm top diameter hot dipped galvanised steel mast of mineral grey paint finish with overall length of 9.2 m for direct embedment in ground and complete with accessories including circuit breaker, 2.5 mm² internal wiring, BCEW, pole earthing, matching 1-way spigot and access cover as per specifications	No	0					
Total Carried Forward								

North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 4: Street Lighting

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
d	Supply & install 76 mm top diameter hot dipped galvanised steel mast of mineral grey paint finish with overall length of 4.2 m for base plate mounting and complete with base plate and accessories including circuit breaker, 2.5 mm² internal wiring, BCEW, pole earthing and access cover as per specifications	No	1					
e	Supply & install 76 mm top diameter hot dipped galvanised steel mast of mineral grey paint finish with overall length of 3.6 m for base plate mounting and complete with base plate with accessories including circuit breaker, 2.5 mm² internal wiring, BCEW, pole earthing and access cover as per specifications	No	1					
f	Supply & install 76 mm top diameter hot dipped galvanised steel mast of mineral grey paint finish with overall length of 9.2 m for base plate mounting and complete with base plate with accessories including circuit breaker, 2.5 mm² internal wiring, BCEW, pole earthing, matching 1-way spigot and access cover as per specifications	No	0					
	Re-install existing lighting supports to be set plumb and adjusted to provide alignment to the roadway and buildings .							
g	Install 76 mm top diameter hot dipped galvanised steel mast of mineral grey paint finish with overall length of 4.2 m for direct embedment in ground and complete with accessories including circuit breaker, 2.5 mm² internal wiring, BCEW, pole earthing, access cover as per specifications	No	4					
h	Install 76 mm top diameter hot dipped galvanised steel mast of mineral grey paint finish with overall length of 9.2 m for direct embedment in ground and complete with accessories including circuit breaker, 2.5 mm² internal wiring, BCEW, pole earthing, matching 1-way spigot and access cover as per specifications	No	4					
1.4	FOUNDATION WORK							
	Construct and erect foundation works and mounting plinth for mid hinge mast made from concrete complete with reinforcement as per structural engineer's detail.							
a	800 mm deep	No	1					
b	1200 mm deep	No	0					
c	1600 mm deep	No	0					
Total Carried Forward To Summary								

North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 4: Street Lighting

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North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 4: Street Lighting

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COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11_Electrical Installation

Schedule 4: Street Lighting

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT (RAND)
1	Section 1: Trenches	.....
2	Section 2: Cabling	.....
3	Section 3: Street Lights	.....
Total Carried Forward To Summary Of Schedules		.....

North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 5: Emergency and Stand-by Power Systems

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North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 5: Emergency and Stand-by Power Systems

[illegible]

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Schedule 5: Emergency and Stand-by Power Systems

[illegible]

North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 5: Emergency and Stand-by Power Systems

Section 4: Testing and Commissioning

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 4: TESTING AND COMMISSIONING							
4.1	INSPECTION							
a	Inspect complete installation for the generator set including auxiliary equipment and include in consolidated report with pictures; Work to involve; Checking, measuring and confirming; - AMF change over panel - Cable sizes for circuits feeding socket outlets, lights, HVAC equipment and any other equipment. - Indicate the ratings of protective devices for each circuit. - Open and close circuits from switches, disconnectors and switch-disconnectors and record each result. NB: Installation and remedial work related to the problems stated above shall <u>ONLY</u> be executed upon engineer's instruction.	No	1					
b	Inspect, clean, remove debris and vegetation, oil spills etc in cable ducts	Sum	1					
4.2	PRE-TESTS							
	Conduct the following tests (Include test results and findings in your consolidated report prior to executing any installation or remedial works); i. Continuity of protective conductors. ii. Insulation resistance. iii. Protection by separation of circuits. iv. Floor and wall resistance. v. Automatic disconnection of supply. vi. Polarity. vii. Functional performance. viii. Phase rotation. NB: The tests mentioned above shall <u>ONLY</u> be conducted in the presence of the engineer or his representative to remain valid.							
a	AMF change over panel DB1-AMF	No.	1					
b	Generator G1	No.	1					
c	Load test for Generator G1	No.	1					
4.3	SYSTEM CONFIGURATION AND SET UP							
a	Configuring and setting up AMF change over panel installation.	No	1					
4.4	TESTING AND COMMISSIONING							
a	Device/cable labeling, commissioning and testing of the complete system installation	Sum	1					
Total Carried Forward To Summary								

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11_Electrical Installation

Schedule 5: Emergency and Stand-by Power Systems

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT (RAND)
1	Section 1: Standby Generators	.....
2	Section 2: Sound Attenuation	.....
3	Section 3: Uninterruptible Power Supply	.....
4	Section 4: Testing and Commissioning	.....
Total Carried Forward To Summary Of Schedules		.....

North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 6: Earthing and Lightning Protection

[illegible]

North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 6: Earthing and Lightning Protection

Section 2: Lightning Protection

[illegible]

North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 6: Earthing and Lightning Protection

Section 3: Testing and Commissioning

[illegible]

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11_Electrical Installation

Schedule 6: Earthing and Lightning Protection

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT (RAND)
1	Section 1: Earthing	.....
2	Section 2: Lightning Protection	.....
3	Section 3: Testing and Commissioning	.....
Total Carried Forward To Summary Of Schedules		.....

North West Department of Health
NWDOH/PS/019/11_Electrical Installation
Schedule 7: PC/Provisional Sums and Miscellaneous

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 1: PC/PROVISIONAL SUMS AND MISCELLANEOUS WORK							
1.1	RESTORATORY WORK							
	Allow for supply and installation of matching tiles where applicable. Tiles shall be sourced or as per Architect's requirements. Principal contractor's rates shall be applicable.							
a	Provisional sum of R30 000.00 for supply and installation of matching tiles.	Prov Sum	1				30 000	00
	Allow for making good existing wall and concrete surfaces, without tiles but including plaster, paint, etc., disturbed during chasing for conduit. Existing surfaces shall be restored to original or better condition. Principal contractor's rates shall be applicable.							
b	Provisional sum of R15 000.00 for supply and installation of matching plaster and paint.	Prov Sum	1				15 000	00
1.2	MISCELLANEUOS WORK							
	Scanning:							
	Scan areas on the roof slab to detect rebar as required for 32 - 110 mm Ø hole at each area. The holes are required at a 0-45° angles and the structural engineer has specified that the bottom rebar not to be cut/drilled through.							
a	3D scanning for detection of rebar on top of slab.	No	10					
b	3D scanning for detection of rebar on underside of slab	No	10					
c	Analyse data and issue report.	No	1					
	Coring:							
	Coring of concrete media for 0 to 45 degrees to surface:							
e	32 - 50 mm Ø and up to 500 mm deep.	No	15					
f	51 - 75 mm Ø and up to 500 mm deep.	No	10					
g	76 - 110 mm Ø and up to 500 mm deep.	No	5					
Total Carried Forward To Summary								

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11_Electrical Installation

Schedule 7: PC/Provisional Sums and Miscellaneuos

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT (RAND)
1	Section 1: PC/Provisional Sums and Miscellaneuos Work	.....
Total Carried Forward To Summary Of Schedules		.....

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11_Electrical Installation

SUMMARY OF SCHEDULES

SCHEDULE	DESCRIPTION	AMOUNT (RAND)
1	Schedule 1: Preliminaries & General	.....
2	Schedule 2: Low Voltage Distribution	.....
3	Schedule 3: Building Services [Electrical]	.....
4	Schedule 4: Street Lighting	.....
5	Schedule 5: Emergency and Stand-by Power Systems	.....
6	Schedule 6: Earthing and Lightning Protection	.....
7	Schedule 7: PC/Provisional Sums and Miscellaneuos	.....
SUBTOTAL		.....
8	Add 5% Contingency	.....
SUBTOTAL		.....
9	Add 15% Value Added Tax	.....
Total		.....

SECTION 5 – ELECTRONIC WORKS

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 1: Preliminaries & General

Section 1: Fixed and Value Based Charges

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 1: FIXED, VALUE AND TIME RELATED CHARGES							
1.1	General							
	Allow for complying with all clauses as per tender documentation, including all Special and General conditions of Contract and Labour requirements, and for providing all works and services for which no specific items are listed in the Bills of Quantities.							
a	Fixed	Sum	1					
b	Value	Sum	1					
c	Time	Month	4					
1.2	Site Establishment							
	Site establishment and for providing a site office, tools store, adequate and suitable water, sanitary and first aid services, communication and A4-A3 printing/scanning/faxing facilities.							
a	Fixed	Sum	1					
b	Value	Sum	1					
c	Time	Month	4					
1.3	Supervision and Management							
	Site administration and for attending all inspections and site meetings							
a	Fixed	Sum	1					
b	Value	Sum	1					
c	Time	Month	4					
1.4	Storage and Insurance							
	Provide for storage of plant, materials and equipment on site including protection thereof and for obtaining and providing all sureties and insurances called for in terms of this contract.							
a	Fixed	Sum	1					
b	Value	Sum	1					
c	Time	Month	4					
1.5	Notices and Fees							
	Allow for co-ordination with other contractors, giving notice to the internet and telephone service providers and paying all required fees. Liaising with Supply Authority for isolation and disconnections, from supply points. Connection and reconnection to supply points.							
a	Fixed	Sum	0					
b	Value	Sum	0					
1.6	Manufacturer's Workshop Drawings							
	Provision of workshop drawings and technical information including data sheets and schematic drawings for approval							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.7	Permits							
	Liaising with Aviation Authority for permits to erect data tower.							
a	Fixed	Sum	0					
b	Value	Sum	0					
1.8	As-Built Information							
Total Carried Forward								

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 1: Preliminaries & General

Section 1: Fixed and Value Based Charges

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
	Supply five full sets of as-built drawings to show the exact positions of cables, cable joints road crossings, etc. as well as instruction manuals & spare parts catalogues to spec. These as-built drawings must be handed to the Engineer on completion of the contract.							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.9	O&M Manuals, Catalogues and Reports							
	Preparation of O & M manuals and re-commissioning reports.							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.10	Surveying							
	Surveying and setting out of tower/pole positions and cable routes.							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.11	Site De-establishment							
	Site de-establishment and breakdown.							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.12	OHS Requirements							
	Safety File including approval, PPE, Safety Harnesses, Site Inductions, Medicals etc.							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.13	Training and Handover							
	After successfull final testing and commissioning of complete installation allow for training of end-user personnel and handover complete project to client.							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.14	Guarantees							
	Allow for a guarantee for a defects liability period of 12 months against defects in components and installation workmanship.							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.15	Samples							
	Allow for selection and presentation of samples to the Engineer. Materials should only be purchased after obtaining approval from the Engineer. Incorrect materials will be replaced with correct materials.							
a	Fixed	Sum	1					
b	Value	Sum	1					
1.16	Existing Materials and Equipment							
Total Carried Forward								

North West Department of Health
NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure
Schedule 1: Preliminaries & General

Section 1: Fixed and Value Based Charges

North West Department of Health
NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure
Schedule 1: Preliminaries & General

Section 2: Unscheduled Work and Variations

[illegible]

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 1: Preliminaries & General

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT (RAND)
1	Section 1: Fixed and Value Based Charges	.....
2	Section 2: Unscheduled Work and Variations	.....
Total Carried Forward To Summary Of Schedules		.....

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 2: Intercommunication System

Section 1: Wireways and Channeling System

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 1: WIREWAYS AND CHANNELING SYSTEM							
	Complete Supply and installation: Reticulation for Intercommunication System							
	General statement on rates: Rates shall include supply, delivery, storage, installation. Installation to be in accordance with specifications, SANS standards for complete project up to the satisfaction of the Engineer(s).							
	Note: Some items measured hereunder maybe additional to items measured in schedule of materials installed by Electrical Subcontractor and therefore shall be thoroughly coordinated and checked.							
	Note: All material shall be SABS approved.							
1.1	CONDUITS							
	In addition to the general statement on rates above, rates for conduit shall also include all accessories such as couplers, adapters, bends, round elbows, tees, end caps, saddles, fixers, adhesives, etc., excepting junction/outlet boxes. Where chasing of brickwork or concrete media is required the rates shall be inclusive. Where drilling through brickwork and/or concrete media of up to 300 mm deep for 10 - 25 mm Ø conduit is required, the rate shall be inclusive.							
	Conduit laid prior to pouring concrete:							
a	25 mm Ø PVC.	m	1					
	Conduit chased into concrete with the use of an angle grinder and surface to be made good with matching plaster and/or concrete:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of newtiling shall be measured separately.							
b	25 mm Ø PVC.	m	1					
	Conduit chased into brick work and surface made good with matching plaster and/or tiling material:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of newtiling shall be measured separately.							
c	25 mm Ø PVC.	m	1					
	Conduit surface mount in ceiling void or applicable area:							
d	25 mm Ø PVC.	m	50					
e	25 mm Ø light duty galvanized steel.	m	2					
f	25 mm Ø PVC flexible conduit.	m	0					
1.2	CONDUIT BOXES							
	Outlet boxes without covers:							
a	PVC 60 mm round, 25 mm deep, for 25 mm Ø conduit.	No	10					
b	Galvanized steel 60 mm round, 25 mm deep, for 25 mm Ø conduit.	No	24					
	Draw boxes complete with covers:							
c	100 mm x 100 mm x 50 mm pressed steel.	No	0					
d	Surface mount extension box, 100 mm x 100 mm x 50 mm galv steel painted white.	No	1					
	Outlet box (with cover) designed to mount intercom sub-station specified for wall mounting.							
e	2-gang galvanized steel electrical box flush wall	No	2					
Total Carried Forward								

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 2: Intercommunication System

Section 1: Wireways and Channeling System

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
f	Surface treated steel plate indoor surface wall mount box	No	1					
g	Surface treated steel plate outdoor surface wall mount box	No	1					
1.3	WIRING TRUNKING							
	Supply and install pregalvanized steel wiring trunking complete with accessories such as support fixtures, suspension fixtures, fittings, bends, stop ends, covers, junction units, internal angles, etc. but excluding wiring.							
a	76 x 63 mm (P8000) wiring duct c/w cover.	m	1					
	PVC wiring trunking compact mini complete with accessories such as internal angles, stop ends, bends, covers, junction units, etc. but excluding wiring.							
b	25 x 16 mm (YT/2) wiring duct and c/w cover.	m	5					
c	40 x 16 mm (YT/4) wiring duct and c/w cover.	m	5					
1.4	SUNDRIES							
	Blank covers c/w screws;							
a	Blank steel cover plate (White) for 100 mm x 50 mm conduit box.	No	5					
b	Blank steel cover plate (White) for 100 mm x 100 mm conduit box.	No	5					
c	PVC cover for 60 mm round, 25 mm deep, for 25 mm Ø junction box.	No	10					
	Drawwire:							
d	Supply and install 2.0 mm dia. drawwire in electronic cable wireways.	m	50					

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Schedule 2: Intercommunication System

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Schedule 2: Intercommunication System

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 3: INTERCOM STATIONS							
	Rates shall include supply, delivery, installation and all accessories such as mounting screws etc.							
	Note: All material shall be SABS approved.							
3.1	ADDRESSABLE INTERCOM MASTER STATION							
	Supply and install an IP multifunctional Video Intercom Master Station employing packet audio technology. The master station is an intelligent video management terminal located in the facility manager's office or concierge station. It controls door locks and communication between door stations and room stations. Equipped with a 7" TFT capacitive touch screen and a built-in camera for easy operation. Connect the master station to an IP network (LAN or WAN) in order to permit hands-free or handset conversation of high sound quality to be made between the master units and intercom stations.							
	Key features shall be;							
	- Glass panel and aluminium alloy bracket - Supports video intercom - Supports live view of door stations and IP cameras - Noise suppression and echo cancellation - Alarm processing function - Supports remote unlocking door function - Supports handsfree mode							
	System Parameters: - Processor:High-Performance Embedded SOC Processor - Operation System: Embedded Windows/MAC/Linux Operation System							
	Audio Parameters: - Audio Input: Built-in Omnidirectional Microphone + External Handset - Audio Output: Built-in Loudspeaker + External Handset							
	Network Parameters: - Ethernet:10/100/1000 Mbps Self-Adaptive Ethernet - Network Protocol: TCP/IP, RTSP							
a	Type INT-A	No	1					
3.2	INDOOR INTERCOM STATION							
	Supply and install an indoor video intercom station with a full colour 7 inch TFT-LED screen monitor, door activation, remote unlocking via client software and panic call functions for door stations monitoring. The video intercom system must employ packet audio technology. Connect the indoor unit to an IP network (LAN or WAN) in order to permit hands-free or handset conversation of high sound quality to be made between the master station and door station connected to the IP Intercom Exchange, or between the master station units.							
	Key features shall be;							
	ONVIF Profile S Compliant 802.3af PoE, Class 0 7" LCD screen doubles as the station's menu screen 6 customizable speed dial buttons Hands-free communication (with available push-to-talk mode) Delayed, Absent, or Scheduled call transfer Monitor individual door stations, or scan monitor groups of stations							
a	Type INT-D	No	24					
3.3	DOOR STATION							
Total Carried Forward								

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

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Schedule 2: Intercommunication System

Section 3: IP Intercom Stations

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
	<p>Supply and install weatherproof door Fingerprint Video Intercom Access Control System SIP VoIP Video Door phone at entrance points of building compatible with indoor intercom stations with the following key features;</p> <ul style="list-style-type: none">- 1 Relay Output- 1 Four-Wire Interface (1-ch Video Input, 1-ch Audio Input/Output, 1-ch Power Supply, 1-ch Grounding)- Stainless steel body, Vandal & tamper-resistant hardware,- Robust aluminium alloy die-cast body stainless steel face plate- Operating Temperature: -40°F to +158°F/ -40°C to +70°C- Relative Humidity: Up to 95% non-condensing- Protection: IP66, vandal-resistant and water-resistant design- Communication Full duplex 2-way hands-free communication- Call Control Signaling: SIP(RFC compliant), SIP Info(DTMF), RFC 2833(DTMF)- Built-in video and still camera allowing video surveillance and direct BCN output to DVR- Audio Codes: G.711, G.722, G.729- Image Sensor: OV9712- Total Pixels: 480P 15fps Min. illumination 0.1lux (720P option)- Field of view: 150° horizontal- Opposite angles: 170°- Lens: 2.75mm- Framerate: 15fps, 30fps, MJPEG, H.264- Streamline: Dual-stream at different frame rate and bandwidth- ONVIF compliant: Yes- 1 Aux Output, dry contact- Contact Ratings Load: Resistive load- Rated load:0.3 A at 125 VAC; 1 A at 30 VDC- Rated carry current: 1A- Max.switching voltage: 125 VAC,60VDC- Max.switching current: 1A- Network: 10/100 BaseTX Ethernet, RJ45 connectors, Cat5e or better- IP Protocols: IPv4, TCP, UDP, TFTP, RTP, RTCP, DHCP, SIP- LAN Protocols: Power over Ethernet(PoE,802.3af), WLAN(IEEE 802.3af), Network Access Control(IEEE 802.1x),STP(IEEE 802.1d), RSTP(IEEE 802.1d-2004)- Programming: Non-volatile flash memory programming and configuration through Web GUI- Management and Operation: DHCP and static IP, remote automatic software upgrade, centralized monitoring, status LED- Echo cancellation code: G.167/G.168							
a	Type INT-B	No	24					
	<p>Substation with momentary and emergency call button c/w internal cone-type speaker, internal condenser type mic for 1 km transmission range. Unit is to be connected to a 4-wire Substation Interface Unit.</p> <p>Pressing a call button will initiate a call to a pre-programmed master station, enabling a conversation.</p>							
b	Type INT-C	No	1					
Total Carried Forward To Summary								

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Schedule 2: Intercommunication System

Section 4: Testing and Commissioning

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COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

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Schedule 2: Intercommunication System

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT (RAND)
1	Section 1: Wireways and Channeling System	.....
2	Section 2: Cabling	.....
3	Section 3: IP Intercom Stations	.....
4	Section 4: Testing and Commissioning	.....
Total Carried Forward To Summary Of Schedules		.....

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 3: Nurse Call Emergency System

Section 1: Wireways and Channeling System

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 1: WIREWAYS AND CHANNELING SYSTEM							
	Complete Supply and installation: Nurse Call Silent Emergency call System Installation.							
	General statement on rates: Rates shall include supply, delivery, storage, installation. Installation to be in accordance with specifications, SANS standards for complete project up to the satisfaction of the Engineer(s).							
	Note: Some items measured hereunder are additional to items measured in schedule of materials installed by Electrical Subcontractor and therefore shall be thoroughly coordinated and checked.							
	Note: All material shall be SABS approved.							
1.1	CONDUITS							
	In addition to the general statement on rates above, rates for conduit shall also include all accessories such as couplers, adapters, bends, round elbows, tees, end caps, saddles, fixers, adhesives, etc., excepting junction/outlet boxes. Where chasing of brickwork or concrete media is required the rates shall be inclusive. Where drilling through brickwork and/or concrete media of up to 300 mm deep for 10 - 25 mm Ø conduit is required, the rate shall be inclusive.							
	Conduit laid prior to pouring concrete:							
a	25 mm Ø PVC.	m	1					
	Conduit chased into concrete with the use of an angle grinder and secured into place:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of new tiling shall be measured separately.							
b	25 mm Ø PVC.	m	1					
	Conduit chased into brick work and surface made good with matching plaster and/or tiling material:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of new tiling shall be measured separately.							
c	25 mm Ø PVC.	m	630					
	Conduit surface mount in ceiling void or applicable area:							
d	25 mm Ø PVC.	m	1					
e	25 mm Ø light duty galvanized steel.	m	10					
f	25 mm Ø PVC flexible conduit.	m	1					
1.2	CONDUIT BOXES							
	Outlet boxes without covers:							
a	PVC 60 mm round, 25 mm deep, for 25 mm Ø conduit.	No	93					
b	Galvanized steel 60 mm round, 25 mm deep, for 25 mm Ø conduit.	No	24					
	Draw boxes complete with covers, screws:							
c	100 mm x 100 mm x 50 mm pressed steel.	No	17					
d	Surface mount extension box, 100 mm x 100 mm x 50 mm galv steel painted white.	No	14					
1.3	WIRING TRUNKING							
	Pregalvanized steel wiring trunking complete with accessories such as support fixtures, suspension fixtures, fittings, bends, covers, junction units, etc. but excluding wiring.							
Total Carried Forward								

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 3: Nurse Call Emergency System

Section 1: Wireways and Channeling System

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
a	76 x 63 mm (P8000) wiring duct c/w cover.	m	0					
	PVC wiring trunking compact mini complete with accessories such as internal angles, stop ends, bends, covers, junction units, etc. but excluding wiring.							
b	25 x 16 mm (YT/2) wiring duct and c/w cover.	m	55					
c	40 x 16 mm (YT/4) wiring duct and c/w cover.	m	25					
1.4	CABLE TRAYS							
	Supply and install medium duty hot dip galvanized welded wire mesh cable tray complete with all accessories including support fixtures, suspension fixtures, fittings, bends, covers, junction units, etc. but excluding wiring.							
a	100 mm wide, 50 mm high cable tray.	m	100					
b	300 mm wide, 50 mm high cable tray.	m	0					
1.5	SUNDRIES							
	Blank covers c/w screws;							
a	Blank steel cover plate (White) for 100 mm x 50 mm conduit box.	No	1					
b	Blank steel cover plate (White) for 100 mm x 100 mm conduit box.	No	1					
c	PVC cover for 60 mm round, 25 mm deep, for 25 mm Ø junction box.	No	10					
	Drawwire:							
d	Supply and install 2.0 mm dia. drawwire in electronic cable wireways.	m	50					

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Schedule 3: Nurse Call Emergency System

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COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 3: Nurse Call Emergency System

Section 3: Nurse Call System Equipment and Appliances

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 3: EMERGENCY NURSE CALL SYSTEM EQUIPMENT AND APPLIANCES							
	Rates shall include supply, delivery, installation and all accessories such as mounting screws etc.							
	Note: All material shall be IEC, SABS compliant.							
3.1	PANEL							
	Nurse Call Silent Call Emergency Call System Control Panel complete with power supply, battery charger and standby battery, simple decentralised system, call cancel at decentralised units, mimic panel, buzzer, lightning and surge protection for the complete system in all zones, etc. as specified.							
a	LCD Duty Station Display	No	1					
b	A3 size Digital Display Mimic Floor Plan Panel with LED indicators.	No	6					
c	A3 size Digital Display Mimic Size Plan Panel with LED indicators.	No	1					
3.2	PATIENT HAND UNIT							
	Patient Call hand unit with TV control for bed head Unit as specified .							
a	TV control unit	No	0					
	Patient Call hand-held unit with pear push IPX7 for bed unit as specified.							
b	Pear push unit	No	20					
2.6	RESET/EMERGENCY UNIT							
	Patient Call Nurse Reset call button located in bed head Unit with RJ46 socket for hand unit with TV control.							
a	Type A1	No	3					
	Patient Call Nurse Reset waterproof call button located in bath rooms with clip-in.							
b	Type C1	No	5					
	Emergency Nurse Call button located in bed head units with socket for pear-push hand unit.							
c	Type A3	No	31					
	Emergency Nurse Call button located in bathrooms IP65 rated with pull cord.							
d	Type C2	No	10					
2.7	FITTINGS AND ACCESSORIES							
	Prism shaped over door light complete with cover plate, flush mounted in draw box in wall or on ceiling above door, etc.							
a	Type PR	No	26					
2.8	SUNDRIES							
a	Allowance for any items required for the operation of the complete system but not listed above. Attach a detailed list of such items to qualify your submission with tender.	Sum	1					
2.9	TESTING AND COMMISSIONING							
a	Programming, device/cable labeling, commissioning and testing of the complete Nurse Call Silent Emergency call System installation	Sum	1					
b	Provide a set of As-built drawings and complete manuals in a well arranged durable file. (3-off file)	No	3					
Total Carried Forward								

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Schedule 3: Nurse Call Emergency System

Section 4: Testing and Commissioning

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COMPLETION SEKHING COMMUNITY HEALTH CENTRE

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Schedule 3: Nurse Call Emergency System

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT (RAND)
1	Section 1: Wireways and Channeling System	.....
2	Section 2: Cabling	.....
3	Section 3: Nurse Call System Equipment and Appliances	.....
4	Section 4: Testing and Commissioning	.....
Total Carried Forward To Summary Of Schedules		.....

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 4: CCTV Surveillance System

Section 1: Wireways and Channeling System

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 1: WIREWAYS AND CHANNELING SYSTEM							
	Complete Supply and installation: IP based Security Surveillance CCTV System							
	General statement on rates: Rates shall include supply, delivery, storage, installation. Installation to be in accordance with specifications, SANS standards for complete project up to the satisfaction of the Engineer(s).							
	Note: Some items measured hereunder are additional to items measured in schedule of materials installed by Electrical Subcontractor and therefore shall be thoroughly coordinated and checked.							
	Note: All material shall be SABS approved.							
1.1	CONDUITS							
	In addition to the general statement on rates above, rates for conduit shall also include all accessories such as couplers, adapters, bends, round elbows, tees, end caps, saddles, fixers, adhesives, etc., excepting junction/outlet boxes. Where chasing of brickwork or concrete media is required the rates shall be inclusive. Where drilling through brickwork and/or concrete media of up to 300 mm deep for 10 - 25 mm Ø conduit is required, the rate shall be inclusive.							
	Conduit laid prior to pouring concrete:							
a	25 mm Ø PVC.	m	1					
	Conduit chased into concrete with the use of an angle grinder and surface to be made good with matching plaster and/or concrete:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of new tiling shall be measured separately.							
b	25 mm Ø PVC.	m	1					
	Conduit chased into brick work and surface made good with matching plaster and/or tiling material:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of new tiling shall be measured separately.							
c	25 mm Ø PVC.	m	800					
	Conduit surface mount in ceiling void or applicable area:							
d	25 mm Ø PVC.	m	1					
e	25 mm Ø light duty galvanized steel.	m	250					
f	25 mm Ø PVC flexible conduit.	m	1					
1.2	CONDUIT BOXES							
	Outlet boxes without covers:							
a	PVC 60 mm round, 25 mm deep, for 25 mm Ø conduit.	No	48					
b	Galvanized steel 60 mm round, 25 mm deep, for 25 mm Ø conduit.	No	74					
	Draw boxes complete with covers:							
c	100 mm x 100 mm x 50 mm pressed steel.	No	2					
d	Surface mount extension box, 100 mm x 100 mm x 50 mm galv steel painted white.	No	14					
1.3	WIRING TRUNKING							
	Supply and install pregalvanized steel wiring trunking complete with accessories such as support fixtures, suspension fixtures, fittings, bends, stop ends, covers, junction units, internal angles, etc. but excluding wiring.							
Total Carried Forward								

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Schedule 4: CCTV Surveillance System

Section 1: Wireways and Channeling System

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Schedule 4: CCTV Surveillance System

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COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

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Schedule 4: CCTV Surveillance System

Section 3: CCTV Software and Equipment

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 3: CCTV SOFTWARE, EQUIPMENT AND APPLIANCES							
	Rates shall include supply, delivery, installation and all accessories such as mounting screws etc.							
	Note: All material shall be IEC, SABS compliant.							
3.1	CAMERAS							
	IP Indoor Fixed day/night dome camera as per technical specifications mentioned. Note: - Rate includes all the necessary accessories (brackets, stands etc.) reqd. for fixing cameras on wall/ceiling.							
a	Type CC1	No	41					
	IP Indoor PTZ day/night dome camera as per technical specifications mentioned. Note: - Rate includes all the necessary accessories (brackets, stands etc.) reqd. for fixing cameras on wall/ceiling.							
b	Type CC2	No	1				Rate Only	
	IP Outdoor Fixed day/night bullet camera as per technical specifications mentioned. Note: - Rate includes all the necessary accessories (brackets, stands etc.) reqd. for fixing cameras on wall.							
c	Type CC3	No	44					
	IP Outdoor PTZ day/night bullet camera as per technical specifications mentioned. Note: - Rate includes the all necessary accessories (brackets, stands etc.) reqd. for fixing cameras on wall.							
d	Type CC4	No	1					
3.2	VIDEO MANAGEMENT SOFTWARE							
	Video Management Software for total connected cameras as per specifications mentioned. 1. Quote the rate of software without analytic feature. 2. Quoted rate includes the cost of client software for displaying video of cameras. Correct termination of the wire pairs per trigger output at the fire panel to be considered, in order to enable correct line monitoring from the voice evacuation system's side.							
a	Windows/MAC/Apple/Linux/Android based	No	1					
3.3	ANALYTICS SOFTWARE							
	Analytics Software Cost per total connected cameras. (Optional)							
a	Windows/MAC/Apple/Linux/Android based	No	1					
3.4	SWITCHES							
	Stack mountable, fully scalable managed core switch, High-density Gigabit ethernet, Convergence-ready connectivity with Voice-over-IP automatic provisioning, multilayer switching (L2&L3), 24 x 10/100 (PoE) + 2 x SFP + 2 x 10/100/1000, 24 x 10/100 (PoE) + 2 x SFP + 2 x 10/100/1000, RJ45 ports combo i.e. with (2) dedicated stacking ports and external RPS connector, Power over Ethernet (PoE), 96Gbps switching capacity, 71.4 Mpps throughput capacity (64 byte packet size). Future-proof 802.3AT high power support, AC 100-240 V (50-60 Hz) equal or equivalent to Model: 8000-Series							
a	24 Port	No	1					
	24-port 10/100/1000 + 4-port Gigabit Layer-2 POE supported Smart Switch.							
b	12 Port	No	1					
	Manageable layer 2, Fiber-Ethernet Switch for pole-mounting							
c	8-Port	No	4					
Total Carried Forward								

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

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Schedule 4: CCTV Surveillance System

Section 3: CCTV Software and Equipment

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
3.5	NVR MEDIA STORAGE SERVER							
	High-performance, fully-configured rack mountable NVR media storage.							
	- The device shall contain one SSD hard drive of 120 GB (minimum) containing the operating system, and up to 8 additional hard drives of 3 TB each (or more) for simultaneous recording of all connected cameras							
	- Windows OS							
	- The recording hard drives shall be configurable as RAID (for example RAID5 or RAID6) with hot swap drawers in front.							
	- There shall be the possibility to expand recording capacity to external drives, as for example to external iSCSI RAID's or JBOD's.							
	- The device shall be capable to record and manage up to 128 IP cameras.							
	- The device shall be usable either as stand-alone-system, with controls and image viewing on local monitor (via VGA-port), but essentially usable as video server to provide remote viewing clients with live and replay images, or being a satellite of even huge CCTV networks with management from remote locations.							
	- Core 2 Duo 2.8 GHz CPU							
	- The system shall offer advanced per channel selectable compression technology to cover numerous IP cameras or camera servers from different manufacturers, with a choice between MJPEG and H.264, but shall also accept CCTV optimized codecs such as H.264CCTV for frame accurate stream control.							
	- The system shall allow on the fly transcoding of IP camera signals into CCTV optimized codecs such as H.264CCTV for frame accurate stream control.							
	- The system shall also be capable of independently processing 2 streams per camera, to allow simultaneous live viewing and recording of all cameras with no interference between live transmission and recording.							
	- The NVR device shall feature a redundant power supply unit. This is essential. Any PSU failure shall be notified and the hot-standby unit shall take over instantaneously. Exchange of PSU units shall be possible without stopping the NVR (Hot Swap).							
	- The system shall be scalable and expandable to be adapted to future changes in needs.in the event of something.							
a	1U Rack	No	1					
3.6	RECORDER							
a	1U Rack 64 channel NVR recording	No	1					
3.7	HDD							
a	WD 8TB 3.5-inch Surveillance Hard Drive	No	3					
3.8	Desktop CPU							
a	CPU Intel® Core™ i7 CPU or equivalent alternative: AMD Ryzen 3700X or newer complete with latest operating system Windows/Linux/Mac. A CPU capable of 3.8 to ~ 4.5GHz clock speeds for optimal performance. Memory 16 GB RAM and up. Storage SSD (solid state drive) or NVME drive for the main operating system. Separate 1TB 7200 RPM (or larger) HDD or SSD for database storage. Graphics NVIDIA GeForce GTX or RTX series, specifically (2060, 2070, 2080 models or newer) for hardware encoding). AMD Vega 56, AMD Radeon RX 5500, AMD Radeon R9 580. NVIDIA Graphics. Faster recording times, with NVIDIA GeForce RTX cards with the Turing architecture or integrated graphics whenever possible.	No	3					
3.8	MONITORS							
Total Carried Forward								

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

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Schedule 4: CCTV Surveillance System

Section 3: CCTV Software and Equipment

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
a	Ultra High Definition LED Smart Screen for Video Wall c/w mounting brackets							
	40 inch	No	2					
b	Ultra High Definition LED Smart Screen for Desktop							
	32 inch	No	1					
c	Ultra High Definition LED Smart Screen for Desktop							
	19 inch	No	1					
3.9	UPS							
	Uninterruptible Power Supply unit for pole mounting							
a	1 KVA	No	3					
3.10	TRANSCEIVER							
a	1 Gb transceiver module 100% compatible for Enterasys 1000Base-SX MM 550M SFP. 550m with MMF, up to 1.25Gbps data-rate, 850nm short wavelength VCSEL Laser Transmitter with Duplex LC Connector Interface equivalent to Model: MGBIC-LC01.	No	26					
b	1 Gb 1000Base SX LC SFP Module for pole-mounting	No	6					
3.11	ENCLOSURES							
	IP65 small enclosure for camera power supplies, UPS, switch and fiber components, protection umbrella/shade							
a	450 mm high x 300 mm wide x 150 mm deep	No	4					
	Fiber optic optical distribution frame unit for pole-mounting							
b	8-Port	No	3					
Total Carried Forward To Summary								

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Schedule 4: CCTV Surveillance System

Section 4: Testing and Commissioning

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COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

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Schedule 4: CCTV Surveillance System

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT (RAND)
1	Section 1: Wireways and Channeling System	.....
2	Section 2: Cabling	.....
3	Section 3: CCTV Software and Equipment	.....
4	Section 4: Testing and Commissioning	.....
Total Carried Forward To Summary Of Schedules		.....

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

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Schedule 5: IP Based Access Control System

Section 1: Wireways and Channeling System

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 1: WIREWAYS AND CHANNELING SYSTEM							
	Complete Supply and installation: IP based Access Control System							
	General statement on rates: Rates shall include supply, delivery, storage, installation. Installation to be in accordance with specifications, SANS standards for complete project up to the satisfaction of the Engineer(s).							
	Note: Some items measured hereunder are additional to items measured in schedule of materials installed by Electrical Subcontractor and therefore shall be thoroughly coordinated and checked.							
	Note: All material shall be SABS approved.							
1.1	CONDUITS							
	In addition to the general statement on rates above, rates for conduit shall also include all accessories such as couplers, adapters, bends, round elbows, tees, end caps, saddles, fixers, adhesives, etc., excepting junction/outlet boxes. Where chasing of brickwork or concrete media is required the rates shall be inclusive. Where drilling through brickwork and/or concrete media of up to 300 mm deep for 10 - 25 mm Ø conduit is required, the rate shall be inclusive.							
	Conduit laid prior to pouring concrete:							
a	25 mm Ø PVC.	m	1					
	Conduit chased into concrete with the use of an angle grinder and surface to be made good with matching plaster and/or concrete:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of new tiling shall be measured separately.							
b	25 mm Ø PVC.	m	1					
	Conduit chased into brick work and surface made good with matching plaster and/or tiling material:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of new tiling shall be measured separately.							
c	25 mm Ø PVC.	m	175					
	Conduit surface mount in ceiling void or applicable area:							
d	25 mm Ø PVC.	m	1					
e	25 mm Ø light duty galvanized steel.	m	40					
f	25 mm Ø PVC flexible conduit.	m	15					
1.2	CONDUIT BOXES							
	Outlet boxes without covers:							
a	PVC 60 mm round, 25 mm deep, for 25 mm Ø conduit.	No	48					
b	Galvanized steel 60 mm round, 25 mm deep, for 25 mm Ø conduit.	No	32					
	Draw boxes complete with covers:							
c	100 mm x 100 mm x 50 mm pressed steel.	No	2					
d	Surface mount extension box, 100 mm x 100 mm x 50 mm galv steel painted white.	No	15					
1.3	WIRING TRUNKING							
	Supply and install pregalvanized steel wiring trunking complete with accessories such as support fixtures, suspension fixtures, fittings, bends, stop ends, covers, junction units, internal angles, etc. but excluding wiring.							
Total Carried Forward								

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Schedule 5: IP Based Access Control System

Section 1: Wireways and Channeling System

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Schedule 5: IP Based Access Control System

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COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 5: IP Based Access Control System

Section 3: Access Control System Software and Equipment

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 3: ACCESS CONTROL SYSTEM SOFTWARE, EQUIPMENT AND APPLIANCES							
	Rates shall include supply, delivery, installation and all accessories such as mounting screws etc.							
	Note: All material shall be IEC, SABS compliant.							
3.1	BIOMETRIC READER							
	Fingerprint, smartcard, PIN mixed authentication reader for Entry							
	- High quality optical sensor resolution, durable							
	- IP65							
	- Built-in 125kHz RFID proximity reader							
	- Built-in web and database server							
	- Built-in video and still camera allowing video surveillance and direct BCN output to DVR							
	- 500 ppi Resolution							
	- 50,000 fingerprints/second in 1:N mode							
	- < 1 second authentication time							
	- Multi-lingual support, English voice greeting minimum for successful attempt or for unsuccessful attempt or similar voice greetings.							
	- Backlit LCD display							
	- Windows XP/Vista/windows 7/8/10/mobile, MAC OS, Android, iPhone OS, Linux PC							
	- LAN/WAN, Ethernet (10/100 Base T), GSM/GPRS, USB 0 2.0 (emergency), TCP-IP							
	- RS-232/RS-485 I/O Interface							
	- SSL							
	- Instant notification via SMS or email upon user authentication							
	- Up to 1000 users							
a	Type ACS1	No	4					
	Fingerprint, smartcard, PIN mixed authentication reader for Entry							
	- High quality optical sensor resolution, durable							
	- IP65							
	- Built-in 125kHz RFID proximity reader							
	- Built-in web and database server							
	- 500 ppi Resolution							
	- 50,000 fingerprints/second in 1:N mode							
	- < 1 second authentication time							
	- Multi-lingual support, English voice greeting minimum for successful attempt or for unsuccessful attempt or similar voice greetings.							
	- Backlit LCD display							
	- Windows XP/Vista/windows 7/8/10/mobile, MAC OS, Android, iPhone OS, Linux PC							
	- LAN/WAN, Ethernet (10/100 Base T), GSM/GPRS, USB 0 2.0 (emergency), TCP-IP							
	- RS-232/RS-485 I/O Interface							
	- SSL							
	- Instant notification via SMS or email upon user authentication							
	- Up to 1000 users							
b	Type ACS2	No	20					
3.2	DOOR RELEASE							
a	Breakglass Emergency Door Release button	No	37					
b	Door Lock Release button	No	32					
3.3	ELECTROMAGNETIC LOCK							
	Double Door Magnetic Lock complete with bracket							
	- Power Supply 230V AC Mains Single phase@50 Hz.							
	- Back Up Battery 12V DC, 7 AH, Rechargeable, Maint Free.							
	- 12V / 500mA ; 24V / 250mA (±5%)							
	- Up to 545 kg x2 holding force							
	- Hall Effect Contact : SPDT rated 2A at 24 VDC							
	- Anti-Rust Surface Treatment : Blue Zinc Plating							
	- Operating Temperature : 0~55° C (32~131° F)							
	- Operating Humidity : 0~95% (non condensing)							
Total Carried Forward								

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

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Schedule 5: IP Based Access Control System

Section 3: Access Control System Software and Equipment

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
a	545 kg x 2 Force	No	7					
	Single Door Magnetic Lock complete with bracket							
	- Power Supply 230V AC Mains Single phase@50 Hz.							
	- Back Up Battery 12V DC, 7 AH, Rechargeable, Maint Free.							
	- 12V / 500mA ; 24V / 250mA (±5%)							
	- Up to 545 kg x2 holding force							
	- Hall Effect Contact : SPDT rated 2A at 24 VDC							
	- Anti-Rust Surface Treatment : Blue Zinc Plating							
	- Operating Temperature : 0~55° C (32~131° F)							
	- Operating Humidity : 0~95% (non condensing)							
b	545 kg Force	No	34					
	230V AC electromagnetic Fire door holder complete supplied and installed.							
c	50kg holding force	No	8					
d	70kg holding force	No	0					
3.4	PORT							
a	RSC-232 converter	No	15					
3.5	DOOR CONTROLLER							
	Networked IP enabled controller with simplified programming and navigation complete with 12/24 VDC battery, and power supply unit. Rate to include programming and LIC.							
	- 100% browser based							
	- Support offline mode							
	• Microprocessor – controlled, single channel loop detector							
	• Power Supply: 24V AC/DC, +/- 10%							
	• Power consumption: Max. 1.5 W							
	• Operating temperature: -20°~+70° C							
	• Humidity: Max. 95%							
	• Loop inductivity: 25 - 800μH							
	• Frequency range: 50 Hz							
	• Sensitivity: 0.01% - 0.65%							
	• Loop read length: Max. 250mt							
	• Relay: 1 presence relay							
	• Housing: Plastic housing							
	• Protection: IP 65							
a	Type L1	No	33					
	Multiple access networked IP enabled controller with simplified programming and navigation complete with 12/24 VDC battery, and power supply unit. Rate to include programming and LIC.							
	- 100% browser based							
	- Support offline mode							
	• Microprocessor – controlled, single channel loop detector							
	• Power Supply: 24V AC/DC, +/- 10%							
	• Power consumption: Max. 1.5 W							
	• Operating temperature: -20°~+70° C							
	• Humidity: Max. 95%							
	• Loop inductivity: 25 - 800μH							
	• Frequency range: 50 Hz							
	• Sensitivity: 0.01% - 0.65%							
	• Loop read length: Max. 250mt							
	• Relay: 1 presence relay							
	• Housing: Plastic housing							
	• Protection: IP 65							
b	Type L2	No	1					
3.6	ENROLLMENT TERMINAL							
	High-performance, maintenance-free optic fingerprint sensor with;							
	- 500 dpi resolution							
	- Windows XP/Vista/windows 7/8/10/mobile, MAC OS, Android, iPhone OS, Linux PC							
	- High speed 1.1/2.0 USB interface							
a	Type ACS3	No	1					
Total Carried Forward								

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

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Schedule 5: IP Based Access Control System

Section 3: Access Control System Software and Equipment

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
3.7	PROXIMITY CARD							
	- Card types 5 (Normal user, Super user, Visitor, Contractor & Maint. - Card attributes 4 (Valid/ void, Trace, Custodian, & Escort) - Lanyard with printed logo/name/card case as per requirement - Front and Back side printed sticker as per requirement.							
a	Card Type 5	No	1,100					
3.8	ACCESS SOFTWARE							
	Time access software with Access Control System							
a	Windows/Apple/Linux/Android based	No	1					
	PC link software with Access Control System							
b	Windows/Apple/Linux/Android based	No	1					
3.9	ACCESS CONTROL SERVER							
	High-performance, fully-configured server. - up to 264 door capacity - Automatic event archiving - System optimization - 16GB of RAM - 2 1GB network ports - Corei7 Quad 4.5GHz CPU - 1TB hard drive storage and 128GB flash drive backup storage							
a	1U Rack	No	1					
3.10	BOOM BARRIER							
	Installation: outdoor • Drive: Electric motor • Power supply: 230+/- 10% VAC, 50 Hz • Finish: - Control unit-Power coated in a suitable colour (to be approved by the consultant). - Boom- Powder coated white then applied with bright red colour reflecting tape strips. • Boom specifications: - Length- 1000mm to 6000mm - Straight, extruded aluminium alloy • Protection: IP 44 • Housing metal: All housing and internal parts will be rust and corrosion free metal or alloys of high strength with suitable epoxy coating as applicable. • Opening and closing time: 1.5 to 6 second • Duty cycle: 100% • Integration: Shall function in integration with proximity reader based access control system • MTBF: 2 million operations							
a	Type B1	No	1					
3.11	LOOP CONTROLLLER							
	• Microprocessor – controlled, single channel loop detector • Power Supply: 24V AC/DC, +/- 10% • Power consumption: Max. 1.5 W • Operating temperature: -20°-+70° C • Humidity: Max. 95% • Loop inductivity: 25 - 800μH • Frequency range: 50 Hz • Sensitivity: 0.01% - 0.65% • Loop read length: Max. 250mt • Relay: 1 presence relay • Housing: Plastic housing • Protection: IP 40							
a	Type L3	No	1					
3.12	TURNSTILE							
Total Carried Forward								

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Section 3: Access Control System Software and Equipment

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
	Installation: outdoor Double full height 3-arm (120 deg.), stainless steel, electronically controlled in both directions and manual override complete with card reader brackets, battery back-up, LED indicator, fail safe/secure and metal detection; • 24V DC output control panel • Power supply: 230+/- 10% VAC, 50 Hz • Rotor must return to original position after every rotation • Boom specifications: - Recommended Width = 1100mm, Height = 2135mm							
a	Type T1	No	1				Rate Only	
3.13	SWING GATE							
	Installation: outdoor Single full height stainless steel to match turnstile in item 11 above, electronically controlled in one direction and low voltage strike lock complete with card reader brackets, hydraulic door closer and metal detection; • Voltage for strike lock taken from adjacent turnstile power supply • Power supply: 230+/- 10% VAC, 50 Hz							
a	Type S1	No	1				Rate Only	
3.14	MISCELLANEOUS							
a	Allowance for any items required for the operation of the complete system but not listed above INCLUDING masonry work. Attach complete list with tender to qualify your submission.	No	1					
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Schedule 5: IP Based Access Control System

Section 4: Testing and Commissioning

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Schedule 5: IP Based Access Control System

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT (RAND)
1	Section 1: Wireways and Channeling System	.....
2	Section 2: Cabling	.....
3	Section 3: Access Control System Software and Equipment	.....
4	Section 4: Testing and Commissioning
Total Carried Forward To Summary Of Schedules	

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NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 6: Wi-fi, LAN IT and IP PBX Infrastructure

Section 1: Wireways and Channeling System

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 1: WIREWAYS AND CHANNELING SYSTEM							
	Complete Supply and Installation: Wi-fi and Local Area Network (LAN) IT and IP PBX Infrastructure.							
	General statement on rates: Rates shall include supply, delivery, storage, installation. Installation to be in accordance with specifications, SANS standards for complete project up to the satisfaction of the Engineer(s).							
	Note: Some items measured hereunder are additional to items measured in schedule of materials installed by Electrical Subcontractor and therefore shall be thoroughly coordinated and checked.							
	Note: All material shall be SABS approved.							
1.1	CONDUITS							
	In addition to the general statement on rates above, rates for conduit shall also include all accessories such as couplers, adapters, bends, round elbows, tees, end caps, saddles, fixers, adhesives, etc., excepting junction/outlet boxes. Where chasing of brickwork or concrete media is required the rates shall be inclusive. Where drilling through brickwork and/or concrete media of up to 300 mm deep for 10 - 25 mm Ø conduit is required, the rate shall be inclusive.							
	Conduit laid prior to pouring concrete:							
a	25 mm Ø PVC.	m	1					
	Conduit chased into concrete with the use of an angle grinder and surface to be made good with matching plaster and/or concrete:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of new tiling shall be measured separately.							
b	25 mm Ø PVC.	m	1					
	Conduit chased into brick work and surface made good with matching plaster and/or tiling material:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of new tiling shall be measured separately.							
c	25 mm Ø PVC.	m	1,500					
	Conduit surface mount in ceiling void or applicable area:							
d	25 mm Ø PVC.	m	1					
e	25 mm Ø light duty galvanized steel.	m	50					
f	25 mm Ø PVC flexible conduit.	m	1					
1.2	CONDUIT BOXES							
	Outlet boxes without covers:							
a	PVC 60 mm round, 25 mm deep, for 25 mm Ø conduit.	No	22					
b	Galvanized steel 60 mm round, 25 mm deep, for 25 mm Ø conduit.	No	58					
	Draw boxes complete with covers:							
c	100 mm x 100 mm x 50 mm pressed steel.	No	2					
d	Surface mount extension box, 100 mm x 100 mm x 50 mm galv steel painted white.	No	16					
1.3	WIRING TRUNKING							
	Supply and install pregalvanized steel wiring trunking complete with accessories such as support fixtures, suspension fixtures, fittings, bends, stop ends, covers, junction units, internal angles, etc. but excluding wiring.							
Total Carried Forward								

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Schedule 6: Wi-fi, LAN IT and IP PBX Infrastructure

Section 1: Wireways and Channeling System

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
a	76 x 63 mm (P8000) wiring duct c/w cover.	m	20					
	PVC wiring trunking compact mini complete with accessories such as internal angles, stop ends, bends, covers, junction units etc. but excluding wiring.							
b	25 x 16 mm (YT/2) wiring duct and c/w cover.	m	100					
c	40 x 16 mm (YT/4) wiring duct and c/w cover.	m	50					
1.4	RACK CABINETS							
	The tenderer to ensure that racks are supplied complete and fully assembled, wired neatly with cable ties, all wires tagged with unique numbers/identifiers.							
a	9U height unit rack swing frame 600mm deep, complete, with : 1No. 2-way fan, 1No. depth reducer -power duct(s) equipped with sufficient mains outlets, -flat shelf(s), -blank panels, -brush panels and entries, -cage nut assemblies, -base blank plate, -cable and wire identifiers/markers. -mounting rails,	No					Rate Only	
b	12U height unit rack swing frame 600mm deep, complete, with : 1No. 2-way fan, 1No. depth reducer -power duct(s) equipped with sufficient mains outlets, -flat shelf(s), -blank panels, -brush panels and entries, -cage nut assemblies, -base blank plate, -cable and wire identifiers/markers. -mounting rails,	No					Rate Only	
c	16U height unit rack swing frame 600mm deep, complete, with : 1No. 2-way fan, 1No. depth reducer -power duct(s) equipped with sufficient mains outlets, -flat shelf(s), -blank panels, -brush panels and entries, -cage nut assemblies, -base blank plate, -cable and wire identifiers/markers. -mounting rails,	No					Rate Only	
d	48U height unit rack 1000mm deep, complete, with : 1No. 4-way fan, 1No. 10-way power rail, 2No. depth reducers -power duct(s) equipped with sufficient mains outlets, -flat shelf(s) for heavy load (3 batteries per one shelf), -blank panels bottom entry, -brush panels and entries, -cage nut assemblies, -base blank plate, -cable and wire identifiers/markers. -mounting rails,	No	2					
d	Waterproof, verminproof, IP65 12U height unit rack swing frame 600mm deep, complete, with : 1No. 2-way fan, 1No. depth reducer -power duct(s) equipped with sufficient mains outlets, -flat shelf(s), -blank panels, -brush panels and entries, -cage nut assemblies, -base blank plate, -cable and wire identifiers/markers. -mounting rails,	No	1					
Total Carried Forward								

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Schedule 6: Wi-fi, LAN IT and IP PBX Infrastructure

Section 1: Wireways and Channeling System

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
1.5	SUSPENDED FLOOR ACCESS							
	The tenderer to ensure measurements shall be taken on site prior to erection of raised floors and shall be supplied complete and fully to be assembled on site.							
a	PVC finished, multi-function antistatic, dust proof, anti skid, anti corrosion 2m x 3m wide cement infilled raised floor -base blank plate, -cable and wire identifiers/markers. -mounting rails,	No	1					
17.2	ACCESS POINT SUPPORT STRUCTURES							
	All wireless access point supports to be supplied complete with poles & cover plates, base plates where applicable etc.							
a	Supply & install 100 mm top diameter hot dipped galvanised steel mast of mineral grey paint finish with overall length of 4 m for direct embedment in ground and complete with accessories including pole earthing and access cover as per specifications	No	2					
1.6	TRENCHES OUTDOOR							
	Excavate, normal backfill compacted to 85% MMDD for 450-600 mm wide x 700-1100 mm deep measured in linear length.							
	Rate shall include lifting finished surfaces such as paving, kerbs, grass etc. and reinstatement to original state or better. Rate shall also be inclusive of re-instatement and compaction of excavated materials.							
	All sleeves shall be laid on a 150 mm thick bedding of sifted river sand as well as a covering of an equal thickness of the same material where required.							
	Trenches shall be excavated to following minimum depths below the finished ground level irrespective of the size of sleeve installed; i) 1000 mm for medium voltage (MV) cables ii) 700 mm for low voltage (LV) cables iii) 900mm for fibre cables							
a	In hand-pickable soil.	m	150					
b	In soft rock.	m	1					
c	In hard rock.	m	1					
d	Supply and installation of sifted sand in trenches.	m³	14					
e	PVC danger warning tape installed 400 mm above cable.	m	150					
17.5	CABLE SLEEVES							
a	Supply and install 50 mm Ø HDPE sleeves (Code Name Kabelflex - Green) or similar including sealing of sleeve ends excluding excavation.	m	80					
a	Supply and install 110 mm Ø HDPE sleeves (Code Name Kabelflex - Green) or similar including sealing of sleeve ends excluding excavation.	m	150					
4.4	INSPECTION PIT							
a	Supply and install in ground round fibre cement chamber, base and concrete coping with a steel lid & mechanical lock 500 mm dia. x 500 mm deep precast handhole.	No	2					
b	Supply and install in ground round fibre cement chamber, base and concrete coping with a steel lid & mechanical lock 1000 mm dia. x 1000 mm deep precast manhole.	No	4					
4.5	SUNDRIES							
Total Carried Forward								

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Section 1: Wireways and Channeling System

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Schedule 6: Wi-fi, LAN IT and IP PBX Infrastructure

Section 3: IT Equipment and Appliances

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 3: IT EQUIPMENT AND APPLIANCES							
	Rates shall include supply, delivery, installation and all accessories such as mounting screws etc.							
	Note: All material shall be IEC, SABS compliant.							
3.1	SOCKET OUTLETS AND CONNECTORS							
a	RJ11 for power skirting mounting c/w PVC coverplate (White).	No	13					
b	RJ45 wall box outlets c/w PVC coverplate (White).	No	80					
c	RJ45 for power skirting mounting c/w PVC coverplate (White).	No	15					
d	RJ46 for power skirting mounting c/w PVC coverplate (White).	No	0					
e	RJ11+RJ45 Combo for power skirting mounting c/w PVC coverplate (White).	No	3					
f	RJ11+RJ45 Combo wall box outlet c/w PVC coverplate (White).	No	51					
g	RJ11 Cat5e connector.	No	0					
h	RJ45 cat5e connector.	No	0					
i	RJ11 Cat6 connector.	No	106					
j	RJ45 cate6 connector.	No	38					
3.2	PATCH PANEL							
a	24 Port ST multimode fibre optic patch panel with 24 ports populated, 1U.	No	15					
b	Fibre patch panel ST.	No	15					
3.3	TRANSCEIVER							
a	1 Gb transceiver module 100% compatible for Enterasys 1000Base-SX MM 550M SFP. 550m with MMF, up to 1.25Gbps data-rate, 850nm short wavelength VCSEL Laser Transmitter with Duplex LC Connector Interface equivalent to Model: MGBIC-LC01.	No	30					
3.4	SWITCHES AND HUBS							
a	Stack mountable, fully scalable managed switch, Gigabit ethernet, multilayer switching (L2&L3), 48 x 10/100 (PoE) + 2 x SFP + 2 x 10/100/1000, RJ45 ports combo i.e, with (2) dedicated stacking ports and external RPS connector, Power over Ethernet (PoE), 96Gbps switching capacity, 71.4 Mpps throughput capacity (64 byte packet size). Future-proof 802.3AT high power support, AC 100-240 V (50-60 Hz) equal or equivalent to Model: B5G124-48P2	No	1					
b	Stack mountable, scalable, high-performance Gigabit Ethernet switch offering support for IEEE 802.3AT compliant high-power PoE, flexible 10 Gigabit Ethernet options, dynamic IPv4 and IPv6 routing, 24 x 10/100 (PoE) + 2 x SFP + 2 x 10/100/1000, MDI/MDI-X RJ45 4 Combo SFP ports i.e, with (2) high-speed dedicated stacking ports and external RPS connector, Power over Ethernet (PoE), 48Gbps switching capacity, 35.7 Mpps throughput capacity (64 byte packet size). AC 100-240 V (50-60 Hz) equal or equivalent to Model: C2G124-24	No	15					
c	Stack mountable, fully scalable managed core switch, High-density Gigabit ethernet, Convergence-ready connectivity with Voice-over-IP automatic provisioning, multilayer switching (L2&L3), 48 x 10/100 (PoE) + 2 x SFP + 2 x 10/100/1000, 24 x 10/100 (PoE) + 2 x SFP + 2 x 10/100/1000, RJ45 ports combo i.e, with (2) dedicated stacking ports and external RPS connector, Power over Ethernet (PoE), 96Gbps switching capacity, 71.4 Mpps throughput capacity (64 byte packet size). Future-proof 802.3AT high power support, AC 100-240 V (50-60 Hz) equal or equivalent to Model: 8000-Series	No	1					
3.5	IP PBX SYSTEM							
Total Carried Forward								

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Section 3: IT Equipment and Appliances

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
a	IP PBX Server	No	1					
b	Media Gateway	No	2					
c	E&M Ports	No	4					
d	Analog CO Trunk ports	No	8					
e	IP Gateway for 240 IP Clients (Hard+Soft+WL IP) & 60 Trunk Channels	No	1					
f	PC Base operator console (PC excluded)	No	1					
g	PC based 4 Port Auto Attendant LIC and 192 Voice Mail LIC	No	1					
3.6	WIRELESS ACCESS POINTS							
a	Dual Radio 11agn 2x2: 2 MIMO implementation for 11n throughput High performance enterprise class AP indoor access point equivalent to Model: WS-AP3705i.	No	27					
b	Dual Radio 11abgn/ac 3x3: 2 MIMO implementation for 11ac & 11n throughput High performance enterprise class AP outdoor access point equivalent to Model: WS-AP3865.	No	2					
3.7	WLAN CONTROLLER							
a	WLAN controller. Manages 16 Access Points, expandable to 48 with 16 AP capacity upgrade (WS-C20XCAPUP16). Requires Reg Domain Key. 1000Base-T (management) equivalent to Model: WS-C25	No	1					
b	WLAN controller capacity upgrade for C25 and V2110 with capability to increase capacity of WLAN controller by 16 Access points, equivalent to Model: WS-APCAP-16	No	1					
3.8	ACCESSORIES							
a	V8 Regulatory Domain Key for Rest of World. Enables WLAN controller and access points with appropriate wireless settings for region., equivalent to Model: WS-CTLREG8P-ROW	No	1					
b	Dedicated Class-I Communication Earthing	No	15					
3.9	RACK-MOUNT UPS							
	Uninterruptible Power Supply unit complete with battery pack for rack mounting							
a	Rack mount smart 2.5 kVA with LCD display UPS, 10-15 minutes run time battery back up.	No	1					
b	Rack mount smart 1.5 kVA with LCD display UPS, 10-15 minutes run time battery back up.	No	15					
Total Carried Forward To Summary								

North West Department of Health
NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure
Schedule 6: Wi-fi, LAN IT and IP PBX Infrastructure

Section 4: Testing and Commissioning

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COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 6: Wi-fi, LAN IT and IP PBX Infrastructure

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT (RAND)
1	Section 1: Wireways and Channeling System	.....
2	Section 2: Cabling	.....
3	Section 3: IT Equipment and Appliances	.....
4	Section 4: Testing and Commissioning	.....
Total Carried Forward To Summary Of Schedules		.....

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 7: Queue Management System

Section 1: Wireways and Channeling System

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 1: WIREWAYS AND CHANNELING SYSTEM							
	Complete Supply and installation: Queue Management System							
	General statement on rates: Rates shall include supply, delivery, storage, installation. Installation to be in accordance with specifications, SANS standards for complete project up to the satisfaction of the Engineer(s).							
	Note: Some items measured hereunder maybe additional to items measured in schedule of materials installed by Electrical Subcontractor and therefore shall be thoroughly coordinated and checked.							
	Note: All material shall be SABS approved.							
1.1	CONDUITS							
	In addition to the general statement on rates above, rates for conduit shall also include all accessories such as couplers, adapters, bends, round elbows, tees, end caps, saddles, fixers, adhesives, etc., excepting junction/outlet boxes. Where chasing of brickwork or concrete media is required the rates shall be inclusive. Where drilling through brickwork and/or concrete media of up to 300 mm deep for 10 - 25 mm Ø conduit is required, the rate shall be inclusive.							
	Conduit laid prior to pouring concrete:							
a	25 mm Ø PVC.	m	1					
	Conduit chased into concrete with the use of an angle grinder and surface to be made good with matching plaster and/or concrete:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of new tiling shall be measured separately.							
b	25 mm Ø PVC.	m	1					
	Conduit chased into brick work and surface made good with matching plaster and/or tiling material:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of new tiling shall be measured separately.							
c	25 mm Ø PVC.	m	10					
	Conduit surface mount in ceiling void or applicable area:							
d	25 mm Ø PVC.	m	1					
e	25 mm Ø light duty galvanized steel.	m	2					
f	25 mm Ø PVC flexible conduit.	m	1					
1.2	CONDUIT BOXES							
	Outlet boxes without covers:							
a	PVC 60 mm round, 25 mm deep, for 25 mm Ø conduit.	No	1					
b	Galvanized steel 60 mm round, 25 mm deep, for 25 mm Ø conduit.	No	1					
	Draw boxes complete with covers:							
c	100 mm x 100 mm x 50 mm pressed steel.	No	1					
d	Surface mount extension box, 100 mm x 100 mm x 50 mm galv steel painted white.	No	1					
1.3	WIRING TRUNKING							
	Supply and install pregalvanized steel wiring trunking complete with accessories such as support fixtures, suspension fixtures, fittings, bends, stop ends, covers, junction units, internal angles, etc. but excluding wiring.							
Total Carried Forward								

North West Department of Health
NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure
Schedule 7: Queue Management System

Section 1: Wireways and Channeling System

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North West Department of Health
NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure
Schedule 7: Queue Managment System

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COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 7: Queue Management System

Section 3: Queue Management System Equipment

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 3: QUEUE MANAGEMENT SYSTEM EQUIPMENT							
	Rates shall include supply, delivery, storage, installation. Installation to be in accordance with specifications, SANS standards for complete project up to the satisfaction of the Engineer(s).							
	The system shall be a Web Based Solutions System monitoring, reporting, maintenance and control can be performed remotely via standard web browser. No software installation is needed. Future software upgrade is easier as it only involves the main system controller. Web interface also offers ease of use and shorter learning time.							
	Note: All material shall be IEC, SABS compliant.							
3.1	TOKEN DISPENSING STATION							
	Supply and install a floor standing token dispenser with the following key features;							
	- high-speed thermal printer.							
	- 17 inch touch screen LCD screen doubling as the station's menu screen							
	- Voice system; Controlling host and network version for Q2015 net Queue Management software							
	- Host PC configuration: Motherboard:							
	- CPU: Intel Dual Core 1.8GHz							
	- Memory: DDR3 2G							
	- settings (time setting, flashing time of the displays etc.,)							
	- Wireless and Wired communication							
	- Win7/Win10 OS							
	- Can support multilanguage							
	- With built-in speakers, audio and amplifier							
	- Can support 1-64 services							
a	Ticket Dispensing Unit	No	1					
3.2	CALL CONTROLLER							
	Supply and install a handheld call controller complete with power supply and with the following key features;							
	- Keyboard							
	- LCD screen doubles as the station's menu screen							
	- Hands-free or handset communication (with available push-to-talk mode)							
a	Call Controller Unit	No	5					
3.3	DISPLAYS							
	Supply and install waiting area 55 inch LED display monitor as main display with a built-in announcement speaker.							
a	Main Display/Announcement unit	No	1					
	Supply and install wired counter no larger 350 x 120 x 45 mm LED display unit with the following features;							
	- Red colour Dot Matrix LED display							
	- 8 Digits bright light tube							
	- 4 digits display ticket number							
	- 2 digits display for counter number							
b	Counter Display	No	3					
Total Carried Forward								

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 7: Queue Management System

Section 3: Queue Management System Equipment

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
3.4	PROCESSOR SERVER							
	High-performance, fully-configured server with Queue Management System Software and SQL database.							
	- Automatic event archiving							
	- System optimization							
	- 16GB of RAM							
	- 2 1GB network ports							
	- Corei7 Quad 4.5GHz CPU							
	- 1TB hard drive storage and 128GB flash drive backup storage							
a	Server	No	1					
3.4	MEDIA PLAYER BOX							
	High-performance, media player box complete with software							
	- Windows X86							
	- Video output for 1024 x 768/75Hz resolution							
	- Supports video formats: MPEG-1, MPEG-2, MO@HL, MPEG-4, ASP@L5, etc							
	- Image formats: JPG, BMP, static GIF, and provides a 10/100MB adaptive fast ethernet interface.							
	- Storage media: standard 2G memory card							
	- Work with TV display to show main queuing states with video, movies or live TV show.							
	- with HDMI and VGA							
	- 1TB hard drive storage and 128GB flash drive backup storage							
a	Media player	No	1					
3.5	SPEAKERS							
	Supply and install Supply and install high quality sound cone speaker, Certified BS - EN54-24							
Total Carried Forward								

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 7: Queue Management System

Section 3: Queue Management System Equipment

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
a	<p>Type SP-T5</p> <p>The loudspeaker shall be of in-ceiling type design and shall consist of two parts, comprising of an inner mesh grille and chassis with an integral loudspeaker with no visible fixings and a discreet outer bezel of only 5 mm. The second part shall be a steel constructed fire dome for the prevention of smoke or fire spreading through ceiling voids in an emergency situation. Installation shall be via pre-mounted springs allowing it to be mounted in a ceiling with a thickness of between 5 – 25 mm (0.2" – 0.98").</p> <p>A template shall be provided to assist in cutting mounting holes.</p> <p>The loudspeaker shall incorporate a single 12 cm (5") full range cone-type transducer with a smooth frequency response of 200 Hz to 20 kHz with a wide-angle dispersion.</p> <p>The loudspeaker shall produce a Sound Pressure Level (SPL) of 95 dB (measured between 500 Hz – 5 kHz of pink noise) on axis at 1 meter with a power input of 1 watt and 81dB (measured between 100Hz – 10kHz of pink noise) on axis at 4 meters with</p> <p>a power input of 1 watt. The loudspeaker shall be capable of producing 6 watts (for 100 V Line) and 3 watts (for 70 V Line) of power.</p> <p>The loudspeaker shall be fitted with a factory mounted transformer with easy selectable power tapping's of 6 W, 3 W, 1.5 W and 0.8 W when using 100 V Line and 3 W, 1.5 W, 0.8 W and 0.4 W when using 70 V Line. Connection shall be made possible via two steatite two pole connectors with separate earth terminal and shall be capable of handling solid cable: 0.8 – 6 mm² (AWG 18 – 10).</p> <p>The ceiling mount loudspeaker shall incorporate suitable anchoring points, as an additional precautionary measure, allowing an attachment of a safety wire to avoid displacement.</p> <p>The dimensions shall be $\phi 180 \times 95.6$ mm (d) (7.09" x 3.76") weighing 860 g (1.9 lb.)</p> <p>The finish of the loudspeaker shall be: Baffle: steel plate, white (RAL 9016 equivalent). Grille: Steel net, white (RAL 9016 equivalent). Fire dome: steel plate, painted black.</p> <p>The ceiling mount loudspeaker shall be certified according to the following standards: European Standard EN 54-24: 2008, International Standard ISO 7240-24: 2010 and shall comply with British Standard BS-5839-8: 2008.</p> <p>Equivalent or similar approved EOM product: EOM Name: TOA Electronics Model No.: PC-1865BS F00</p>	No	74					
Total Carried Forward To Summary								

North West Department of Health
NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure
Schedule 7: Queue Management System

Section 4: Testing and Commissioning

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COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 7: Queue Management System

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT (RAND)
1	Section 1: Wireways and Channeling System	.....
2	Section 2: Cabling	.....
3	Section 3: Queue Management System Equipment	.....
4	Section 4: Testing and Commissioning	.....
Total Carried Forward To Summary Of Schedules		.....

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 8: Public Announcement System

Section 1: Wireways and Channeling System

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 1: WIREWAYS AND CHANNELING SYSTEM							
	Complete Supply and installation: Reticulation for Public Announcement System							
	General statement on rates: Rates shall include supply, delivery, storage, installation. Installation to be in accordance with specifications, SANS standards for complete project up to the satisfaction of the Engineer(s).							
	Note: Some items measured hereunder maybe additional to items measured in schedule of materials installed by Electrical Subcontractor and therefore shall be thoroughly coordinated and checked.							
	Note: All material shall be SABS approved.							
1.1	CONDUITS							
	In addition to the general statement on rates above, rates for conduit shall also include all accessories such as couplers, adapters, bends, round elbows, tees, end caps, saddles, fixers, adhesives, etc., excepting junction/outlet boxes. Where chasing of brickwork or concrete media is required the rates shall be inclusive. Where drilling through brickwork and/or concrete media of up to 300 mm deep for 10 - 25 mm Ø conduit is required, the rate shall be inclusive.							
	Conduit laid prior to pouring concrete:							
a	25 mm Ø PVC.	m	1					
	Conduit chased into concrete with the use of an angle grinder and surface to be made good with matching plaster and/or concrete:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of new tiling shall be measured separately.							
b	25 mm Ø PVC.	m	1					
	Conduit chased into brick work and surface made good with matching plaster and/or tiling material:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of new tiling shall be measured separately.							
c	25 mm Ø PVC.	m	1					
	Conduit surface mount in ceiling void or applicable area:							
d	25 mm Ø PVC.	m	50					
e	25 mm Ø light duty galvanized steel.	m	2					
f	25 mm Ø PVC flexible conduit.	m	0					
1.2	CONDUIT BOXES							
	Outlet boxes without covers:							
a	PVC 60 mm round, 25 mm deep, for 25 mm Ø conduit.	No	10					
b	Galvanized steel 60 mm round, 25 mm deep, for 25 mm Ø conduit.	No	24					
	Draw boxes complete with covers:							
c	100 mm x 100 mm x 50 mm pressed steel.	No	0					
d	Surface mount extension box, 100 mm x 100 mm x 50 mm galv steel painted white.	No	1					
1.3	WIRING TRUNKING							
	Supply and install pregalvanized steel wiring trunking complete with accessories such as support fixtures, suspension fixtures, fittings, bends, stop ends, covers, junction units, internal angles, etc. but excluding wiring.							
Total Carried Forward								

North West Department of Health
NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure
Schedule 8: Public Announcement System

Section 1: Wireways and Channeling System

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Schedule 8: Public Announcement System

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COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 8: Public Announcement System

Section 3: PA Equipment

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
a	<p>Type SP-T5</p> <p>The loudspeaker shall be of in-ceiling type design and shall consist of two parts, comprising of an inner mesh grille and chassis with an integral loudspeaker with no visible fixings and a discreet outer bezel of only 5 mm. The second part shall be a steel constructed fire dome for the prevention of smoke or fire spreading through ceiling voids in an emergency situation. Installation shall be via pre-mounted springs allowing it to be mounted in a ceiling with a thickness of between 5 – 25 mm (0.2" – 0.98").</p> <p>A template shall be provided to assist in cutting mounting holes.</p> <p>The loudspeaker shall incorporate a single 12 cm (5") full range cone-type transducer with a smooth frequency response of 200 Hz to 20 kHz with a wide-angle dispersion.</p> <p>The loudspeaker shall produce a Sound Pressure Level (SPL) of 95 dB (measured between 500 Hz – 5 kHz of pink noise) on axis at 1 meter with a power input of 1 watt and 81dB (measured between 100Hz – 10kHz of pink noise) on axis at 4 meters with</p> <p>a power input of 1 watt. The loudspeaker shall be capable of producing 6 watts (for 100 V Line) and 3 watts (for 70 V Line) of power.</p> <p>The loudspeaker shall be fitted with a factory mounted transformer with easy selectable power tapping's of 6 W, 3 W, 1.5 W and 0.8 W when using 100 V Line and 3 W, 1.5 W, 0.8 W and 0.4 W when using 70 V Line. Connection shall be made possible via two steatite two pole connectors with separate earth terminal and shall be capable of handling solid cable: 0.8 – 6 mm² (AWG 18 – 10).</p> <p>The ceiling mount loudspeaker shall incorporate suitable anchoring points, as an additional precautionary measure, allowing an attachment of a safety wire to avoid displacement.</p> <p>The dimensions shall be $\phi 180 \times 95.6$ mm (d) (7.09" x 3.76") weighing 860 g (1.9 lb.)</p> <p>The finish of the loudspeaker shall be: Baffle: steel plate, white (RAL 9016 equivalent). Grille: Steel net, white (RAL 9016 equivalent). Fire dome: steel plate, painted black.</p> <p>The ceiling mount loudspeaker shall be certified according to the following standards: European Standard EN 54-24: 2008, International Standard ISO 7240-24: 2010 and shall comply with British Standard BS-5839-8: 2008.</p> <p>Equivalent or similar approved EOM product: EOM Name: TOA Electronics Model No.: PC-1865BS F00</p>	No	74					
Total Carried Forward								

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 8: Public Announcement System

Section 3: PA Equipment

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
b	<p>Type SP-T6</p> <p>The speaker shall be a 16cm (6"") cone-type speaker suitable for wall mounting, thermal fuse with a blowing temperature of 84°C, internal cables with insulation. Cable connection shall be by means of a screw connector (2× fire-resistant terminal blocks made of steatite), with bridging allowable. The speaker shall be certified according to EN 54-24: 2008 with CPD number 0359-CPD-0103, certified according to ISO 7240-24: 2010, complies with BS 5839-8: 2008 14.8.</p> <p>The speaker shall include a transformer having multiple taps (0.8W, 1.5W, 3W, 6W) at 100V adjustable. The output sound pressure level at a distance of 1m with a 1W input level applied shall be 94 dB SPL (average 0.5 to 5 KHz). The speaker shall have a frequency response of 150 – 20,000Hz (-20dB). Ingress Protection, IP21C.</p> <p>The speaker Grill shall be constructed of steel and cabinet shall be constructed of wood. The speaker shall be available in white (RAL9011) or black (RAL9010) color. The unit shall have dimensions of 250 (W) ×190 (H) × 108 (D) mm, and a weight of 1.7 kg. Fire Rated Cable can be directly connected to the speaker via 20mm cable glands drilled directly into the wooden cabinet.</p> <p>Equivalent or similar approved EOM product: EOM Name: TOA Electronics Model No.: BS-678BSB/678BSW</p>	No	2					
c	<p>Type SP-T4</p> <p>The speaker shall be a weatherproof horn speaker suitable for both indoor and outdoor applications. It is also designed for use in voice evacuation systems. Rated input shall be 15 W. Input impedance shall be easily adjustable with rotary switch on the rear side of the speaker. The speaker shall include a transformer having multiple taps (3 W, 5 W, 10 W, 15 W at 100 V and 1.5 W, 2.5 W, 5 W, 7.5 W, 15 W at 70 V) adjustable. The sensitivity at a distance of 1m with a 1W input level applied shall be 109 dB, high efficiency. The speaker shall have a frequency response of 315 – 12.5 kHz. Horizontal and vertical dispersion at -6 dB below the on-axis reference at 2 kHz shall be 85° (H) x 115° (V). The speaker shall have an operating temperature of -20°C to +55°C.</p> <p>The speaker diaphragms shall be employing special heat-resistant fibres impregnated with phenolic resin to prevent the diaphragm from absorbing moisture and changing shape. The aluminium foil bobbin shall have excellent heat dissipation properties to resist high power inputs and ensure high speaker durability. The speaker shall have enhances excellent speech clarity. The mounting brackets and all external hardware (screws, bolts) shall be made of stainless steel. The speaker shall have excellent weatherproofing and corrosion resistance. The speaker shall have an IEC 60529 / EN 60529 dust tight and jet-water proof rating of IP65c. The external horn flare shall be made of aluminium, which shall have more shock resistant than resin.</p> <p>A fire-resistant steatite screw terminal block with thermal fuse with a blowing temperature of 84°C allows secure cable connections and bridge wiring. Internal cables shall be flame-resistant insulation. Fire Rated Cable can be directly connected to the speaker cabinet via 20 mm cable gland.</p> <p>The switch is also equipped with an OFF position to prevent speaker damage resulting from incorrect impedance setting. The speaker shall be certified according to EN 54-24 with CPD Number 0359-CPD-0109, certified according to ISO 7240-24 and in compliance with the British Standard BS 5839-8</p> <p>Equivalent or similar approved EOM product: EOM Name: TOA Electronics Model No.: SC-615BS</p>	No	9					
3.3	REMOTE MICROPHONE							
	Supply and install Remote Microphone.							
Total Carried Forward								

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Schedule 8: Public Announcement System

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COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 8: Public Announcement System

Section 3: PA Equipment

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
Brought Forward								
a	Type 1 PAS Fire station with easy-to-use hand-held microphone with talk button, 3 programmable buttons and a button with folding safety cover with emergency functions, expandable to Max 55 keys. Very easy to use with preprogrammed features, including: - Entering emergency mode, with or without a pre-programmed emergency sequence with stored messages through the covered alarm key - Manual announcements are made into selectable areas, call - Select background music - Activation of preprogrammed transfers of any sources in any areas - Display specific error messages - Alarm acknowledge and reset - Start, pause, skip and stop alarm sequences in specific sections of the fire - Lamp test Ready light, General failure indicator and VU-meter. Built-in speaker to listen to the chime programmable before and/or after the broadcast. Adjustable microphone and speaker levels. Monitoring of control and audio paths, as well as the preamplifier according to EN 60849, EN54-16 and ISO 7240-16. In the hand-held microphone of built-in beeper to monitor the MIC capsule including the acoustic-electric conversion. As an additional safety feature can the CPU at failure of the intercom is switched off and announcements in all areas be discontinued. Equivalent or similar approved EOM product: EOM Name: TOA Electronics Model No.: RM-200SF D00	No	1					
	Supply and install Fireman's Microphone extension.							
b	Type 2 PAS Keyboard extension for fire station with 20 freely programmable keys. A green and a high-resolution LED per button to the appropriate display of various functions or conditions allowing the free programming of each button according to the features of the voice alarm system. Complete with wall mount. The keyboard extension is certified by a notified body (notified) according to EN 54-16 along with the voice alarm system. Equivalent or similar approved EOM product: EOM Name: TOA Electronics Model No.: RM-320F D00	No	1					
3.5	POWER SUPPLY MANAGER							
	Supply and install emergency power supply equipment for PA system DC power supply to all system components Combination of built-in power source unit with a high-performance charger Automatic switch to auxiliary battery power if the AC power supply is down. Equivalent or similar approved EOM product: EOM Name: TOA Electronics Model No.: VX-3150DS HCED00							
a	EPS-1 220 - 230 V AC, 50 / 60 Hz	No	1					
b	12 Volt 65 A/H Battery	No	2					
Total Carried Forward To Summary								

North West Department of Health
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Schedule 8: Public Announcement System

Section 4: Testing and Commissioning

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COMPLETION SEKHING COMMUNITY HEALTH CENTRE

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Schedule 8: Public Announcement System

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT (RAND)
1	Section 1: Wireways and Channeling System	.....
2	Section 2: Cabling	.....
3	Section 3: PA Equipment	.....
4	Section 4: Testing and Commissioning	.....
Total Carried Forward To Summary Of Schedules		.....

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 9: Fire Detection Alarm System

Section 1: Wireways and Channeling System

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 1: WIREWAYS AND CHANNELING SYSTEM							
	Complete Supply and installation: Nurse Call Silent Emergency call System Installation.							
	General statement on rates: Rates shall include supply, delivery, storage, installation. Installation to be in accordance with specifications, SANS standards for complete project up to the satisfaction of the Engineer(s).							
	Note: Some items measured hereunder are additional to items measured in schedule of materials installed by Electrical Subcontractor and therefore shall be thoroughly coordinated and checked.							
	Note: All material shall be SABS approved.							
1.1	CONDUITS							
	In addition to the general statement on rates above, rates for conduit shall also include all accessories such as couplers, adapters, bends, round elbows, tees, end caps, saddles, fixers, adhesives, etc., excepting junction/outlet boxes. Where chasing of brickwork or concrete media is required the rates shall be inclusive. Where drilling through brickwork and/or concrete media of up to 300 mm deep for 10 - 25 mm Ø conduit is required, the rate shall be inclusive.							
	Conduit laid prior to pouring concrete:							
a	25 mm Ø PVC.	m	1					
	Conduit chased into concrete with the use of an angle grinder and surface to be made good with matching plaster and/or concrete:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of new tiling shall be measured separately.							
b	25 mm Ø PVC.	m	1					
	Conduit chased into brick work and surface made good with matching plaster and/or tiling material:							
	Note: Where the contractor has removed tiles. Matching tiles shall be sourced or as per Architect's requirements. Cost of new tiling shall be measured separately.							
c	25 mm Ø PVC.	m	70					
	Conduit surface mount in ceiling void or applicable area:							
d	25 mm Ø PVC.	m	1					
e	25 mm Ø light duty galvanized steel.	m	20					
f	25 mm Ø PVC flexible conduit.	m	1					
1.2	CONDUIT BOXES							
	Outlet boxes without covers:							
a	PVC 60 mm round, 25 mm deep, for 25 mm Ø conduit.	No	10					
b	Galvanized steel 60 mm round, 25 mm deep, for 25 mm Ø conduit.	No	15					
	Draw boxes complete with covers:							
c	100 mm x 100 mm x 50 mm pressed steel.	No	1					
d	Surface mount extension box, 100 mm x 100 mm x 50 mm galv steel painted white.	No	2					
1.3	WIRING TRUNKING							
	Supply and install pregalvanized steel wiring trunking complete with accessories such as support fixtures, suspension fixtures, fittings, bends, stop ends, covers, junction units, internal angles, etc. but excluding wiring.							
Total Carried Forward								

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Schedule 9: Fire Detection Alarm System

Section 1: Wireways and Channeling System

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Schedule 9: Fire Detection Alarm System

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COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 9: Fire Detection Alarm System

Section 3: Fire Alarm Equipment and Appliances

ITEM NO	DESCRIPTION	UNIT	QTY	MATERIAL RATE	LABOUR RATE	TOTAL RATE	AMOUNT	
							R	c
	SECTION 3: FIRE ALARM EQUIPMENT AND APPLIANCES							
	Rates shall include supply, delivery, storage, installation. Installation to be in accordance with specifications, SANS standards for complete project up to the satisfaction of the Engineer(s).							
	Note: Some items measured hereunder are additional to items measured in schedule of materials installed by Electrical Subcontractor and therefore shall be thoroughly coordinated and checked.							
	Note: All material shall be SABS approved.							
2.6	FIRE ALARM PANEL							
	Service existing conventional fire alarm control panel as follows;							
	- Test battery charger, - Change standby battery, - Check switching/mini switching monitor units, sounder control loop, loop power sounder, software, panels, printer etc							
a	Conventional Fire Panel c/w network cards	No	14					
	Supply and install analogue conventional fire alarm control panel at new kitchen. NB: Pump house detection devices shall be looped to this panel.							
b	Conventional 2 Loop/Zone Fire Panel c/w network cards	No	1					
2.5	FIELD DEVICES AND ACCESSORIES							
	Supply and install Addressable break-glass type fire alarm contact c/w resettable element, hinged cover and breakable seal as specified fixed to draw box provided in block work:							
a	Surface or recessed mounted type.	No	15					
	Service, remove and re-install addressable break-glass type fire alarm contact c/w resettable element, hinged cover and breakable seal as specified fixed to draw box provided in block work:							
b	Surface or recessed mounted type.	No	30					
	Addressable optical detector and addressable heat detectors shall be complete with bases, sprague connection and cable connection.							
	Units surface mounted on concrete slabs and steel surfaces, on ceiling tiles and plastered ceiling:							
b	Heat detector.	No	10					
c	Optical smoke detector.	No	30					
d	Ionization chamber smoke detector.	No	4					
	Service, remove and re-install addressable optical detector and addressable heat detectors shall be complete with bases, sprague connection and cable connection.							
	Units surface mounted on concrete slabs and steel surfaces, on ceiling tiles and plastered ceiling:							
e	Heat detector.	No	23					
f	Optical smoke detector.	No	60					
g	Ionization chamber smoke detector.	No	1					
	Supply and intall alarm sounder/flasher combo:							
Total Carried Forward								

North West Department of Health
NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure
Schedule 9: Fire Detection Alarm System

Section 3: Fire Alarm Equipment and Appliances

North West Department of Health
NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure
Schedule 9: Fire Detection Alarm System

Section 4: Testing and Commissioning

[illegible]

COMPLETION SEKHING COMMUNITY HEALTH CENTRE

North West Department of Health

NWDOH/PS/019/11 Integrated Security System and ICT Infrastructure

Schedule 9: Fire Detection Alarm System

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT (RAND)
1	Section 1: Wireways and Channeling System	.....
2	Section 2: Cabling	.....
3	Section 3: Fire Alarm Equipment and Appliances	.....
4	Section 4: Testing and Commissioning	.....
Total Carried Forward To Summary Of Schedules		.....

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE, NORTH WEST PROVINCE

FINAL SUMMARY

Sec	Description	Carried From	Amount
1	Preliminaries and General	57	R
2	Builders Work	152	R
3	Provisional Sums	156	R
4	Electrical Works	Sec 4 Page 47	R
5	Eletronic Works	Sec 5 Page 73	R
Sub-Total			R
Add: Contingency Amount			
Allow for 10% (Ten Percent) for contingency provision to be used as directed by the Client or Project Manager or be deducted in whole.			
Sub-Total			R
Add: Value Added Tax (15%)			R
TOTAL CARRIED FORWARD TO FORM OF OFFER			R



health

Department of
Health
North West Province
REPUBLIC OF SOUTH AFRICA

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE IN DR. RUTH SEGOMOTSI MOMPATI DISTRICT IN THE NORTH WEST PROVINCE

THE CONTRACT

AGREEMENT AND CONTRACT DATA

C1.1 Form of Offer and Acceptance

Offer

The North West Department of Health has solicited offers to enter into a contract for the procurement of a contractor for:

COMPLETION OF SEKHING COMMUNITY HEALTH CENTRE

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

By attaching the signature of a duly authorised representative to this part of this Form of Offer and Acceptance, the tenderer offers to perform all of the obligations and liabilities of the Contractor (or the Consultant or the Supplier as the case may be) 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 total of the amount tendered is

Rand, (in words); R_____ (in figures). (Not applicable for cost reimbursable or rate only contracts)

This Offer, of which the tenderer has signed two originals, may be accepted by the Procuring Department by signing the form of Acceptance overleaf and returning one fully executed original of this document including the Schedule of Deviations (if any) 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, (or the Consultant, Professional Service Provider, Service Provider or the Supplier as the case may be) in the Conditions of Contract identified in the Contract Data.

For the tenderer:

Signature(s)

Name(s)

Capacity

(Insert name and address of organisation)

Name &
signature of
witness

Date

Acceptance

By attaching the signature of a duly authorised representative to this part of this Form of Offer and Acceptance, the Procuring Department accepts the tenderer's Offer. In consideration thereof, the Procuring Department shall pay the Contractor, (or the Consultant or the Supplier as the case may be) 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 Procuring Department 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 1 Agreements and Contract Data, (which includes this Form of Offer and Acceptance)
- Part 2 Pricing Data
- Part 3 Scope of Work
- Part 4 Site Information

and drawings and documents (or parts thereof), which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Tender Schedules as well as any changes to the terms of the Offer agreed by the tenderer and the Procuring Department during this process of Offer and Acceptance, are contained in the Schedule of Deviations attached to and forming part of this Form of Offer and Acceptance. No amendments to or deviations from said documents are valid unless contained in this Schedule, which must be signed by the duly authorised representative(s) for both parties.

The tenderer shall within one week of receiving a fully executed original of this Agreement, including the Schedule of Deviations (if any), contact the Procuring Department's agent (whose details are given in the Contract Data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the Conditions of Contract identified in the Contract Data at, or just after, the date this Agreement comes into effect. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this Agreement.

Notwithstanding anything contained herein, this Agreement comes into effect on the date when the tenderer receives one fully executed original of this document, including the Schedule of Deviations (if any). Unless the tenderer (now Contractor, Consultant or Supplier) within five days of the date of such receipt notifies the Procuring Department in writing of any reason why he cannot accept the contents of this Form of Offer and Acceptance, this Agreement shall constitute a binding contract between the Parties.

For the Procuring Department

Signature(s)

Name(s)

Capacity

(Insert name and address of organisation)

Name &
signature of
witness

Date

Schedule of Deviations

Note:

1. The extent of deviations from the tender documents issued by the Procuring Department prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender.
2. In the event of conflict between the contents of this Schedule of Deviations and any other list or record of tender stage amendments or addenda, this Schedule shall take precedence.

1 Subject _____

Details _____

2 Subject _____

Details _____

3 Subject _____

Details _____

4 Subject _____

Details _____

5 Subject _____

Details _____

6 Subject _____

Details _____

By affixing the signatures of the duly authorised representatives below, the Procuring Department and the tenderer both 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 any addenda thereto listed in the Tender Schedules, as well as any changes to the terms of the Offer agreed by the tenderer and the Procuring Department during this process of Offer and Acceptance.

It is expressly agreed that no information, documentation or communication not listed in the Schedule of Deviations shall have any meaning or effect in the contract between the parties arising from this Agreement.

For the tenderer:

Signature(s)		
Name(s)		
Capacity		
<i>(Insert name and address of organisation)</i>		
Name & signature of witness		Date

For the Procuring Department

Signature(s)		
Name(s)		
Capacity		
<i>(Insert name and address of organisation)</i>		
Name & signature of witness		Date

SCOPE OF WORKS

Client	North West Province Department of Health
Project Title	Completion of Sekhing Community Health Centre
Tender No	NWDoH/PS/019/11

1. Extent of the Works

The project scope is the Completion of Sekhing Community Health and the works comprises of the following:

1.1. Building Works

- 1.1.1. Alterations and Demolitions
- 1.1.2. Earthworks
- 1.1.3. Concrete, Formwork and Reinforcement
- 1.1.4. Masonry
- 1.1.5. Waterproofing
- 1.1.6. Roof Coverings
- 1.1.7. Carpentry and Joinery
- 1.1.8. Ceilings, Partitions and Access Flooring
- 1.1.9. Floor Coverings
- 1.1.10. Ironmongery
- 1.1.11. Structural Steel Works
- 1.1.12. Metalwork
- 1.1.13. Plastering
- 1.1.14. Tiling
- 1.1.15. Plumbing and Drainage
- 1.1.16. Glazing
- 1.1.17. Paintworks

1.2. Electrical Works

- 1.2.1. Low and Medium Voltage Cables
- 1.2.2. Earthing
- 1.2.3. Luminaries
- 1.2.4. Switches
- 1.2.5. Distribution Boards
- 1.2.6. Lighting Protection
- 1.2.7. ICT and Access Control
- 1.2.8. Fire Detection
- 1.2.9. And All Related Electrical Works

1.3. Mechanical Works

- 1.3.1. Fire Protection
- 1.3.2. Heating, Ventilation and Air-conditioning.
- 1.3.3. Medical Gas
- 1.3.4. And All Related Mechanical Works

1.4. External Works

- 1.4.1. Paving
- 1.4.2. Walkways

Client	North West Province Department of Health
Project Title	Completion of Sekhing Community Health Centre
Tender No	NWDoH/PS/019/11

SITE INFORMATION

The site is located at the existing Sekhing in the Greater Taung Local Municipality within the Dr. Segomotsi Ruth Mompoti District of the North West Province in the Republic of South Africa.

The site address is as follows:

Sekhing Village
Main Road
Sekhing
8599
North West Province
South Africa

Coordinates:

-27.86485, 24.62409

