

INVITATION TO BID

ARMD/2023/21

BID DESCRIPTION: PROVISION OF CONSTRUCTION AND PROCUREMENT SERVICES TO TRANSFORM A WORKSHOP INTO A CANTEEN AT ARMSCOR DOCKYARD

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PROPRIETARY INFORMATION

- Bid documents may **ONLY** be obtained from the Armscor Supply Chain Management Department.
- Bid documents obtained from Armscor may **NOT** be given to a third party.
- Bid proposals received from companies whose bid documents were **NOT** obtained from Armscor will **NOT** be considered.

Bids must ONLY be submitted in hard copy; electronic bids submissions are NOT acceptable.

Kindly register on the National Treasury's Central Supplier Database (CSD) via www.csd.gov.za

RETURNABLE DOCUMENTS CHECKLIST

Bidders are required to develop a returnable schedule annexure in accordance with the following table of contents

	List of documents required.	Submitted [Yes or No]	
1.	Central Supplier database (CSD) registration report or Unique Registration Reference Number	Yes ☐	No ☐
2.	Valid Tax Clearance Certificate (s) and or proof of application endorsed by SARS and / or SARS issued verification pin code.	Yes ☐	No ☐
3.	Copies of bidders CIPC Company registration documents listing all members with percentage, See bidding structure for required documents.	Yes ☐	No ☐
4.	Copy of the Joint Venture / Consortium Agreement duly signed by all parties	Yes ☐	No ☐
5.	Copy of the Sub-Contracting Agreement duly signed by all parties	Yes ☐	No ☐
6.	Valid proof of BBBEE status for the bidder and its sub-contractor(s)	Yes ☐	No ☐
7.	Designated sectors: Local production and content. (Where applicable)	Yes ☐	No ☐
8.	Originally certified copy of Identity Document for the Company representative	Yes ☐	No ☐
9.	Copy of latest audited financial statements	Yes ☐	No ☐
10.	Bid conditions acceptance form on KD17	Yes ☐	No ☐

**ARMAMENTS CORPORATION OF SOUTH AFRICA SOC LTD
(ARMSCOR)**

Company registration: 1968/008611/06 Vat registration: 4500101169

**REQUEST FOR BID: ARMD/2023/21 - Provision of Construction and
Procurement Services to Transform a Workshop into a Canteen at Armscor
Dockyard**

1. INSTRUCTIONS ON SUBMISSION OF BIDS

- 1.1 Bid Closing at **11:00 am** on **04/11/2024 (SOUTH AFRICAN TIME)**
- 1.2 Bids must be submitted in a sealed envelope marked with this bid reference number.
- 1.3 The sealed envelope must be deposited in the bid box at Armscor Dockyard, Cole Point Security gate, Simon's Town before the bid closing date and time addressed to:
- The Divisional Manager Procurement & Logistics
Armscor Dockyard
- Postal address: Armscor Dockyard
Private Bag X3
Simon's Town, 7995
- Delivery address: Armscor Dockyard Tender Box
Dockyard Security Entrance
Cole Point Road
Simon's Town
- 1.4 Bids dispatched by the courier service Company must be marked with bid reference number on the delivery note / packaging and the courier must ensure that the bid document is deposited in the bid box before the closing date and time. **Armscor will not be held responsible for any delays where bid documents are handed to the Armscor Reception.**
- 1.5 Bid proposals received after the closing time and date will not be considered.

2. ENQUIRIES

- 2.1 All queries regarding this bid must be addressed in writing to:
The Procurement Division E-mail Address: **BambananiT@armscordy.co.za**.
Questions/enquiries relating to this RFB should be received three working days prior to the closing date. Queries received after this period will not be entertained.

3. BID VALIDITY PERIOD

Bid proposals to remain valid for acceptance for a period of **hundred and twenty (120)** days counted from the closing date.

NOTE: Bids for the supply of the goods and/or services described in the attached documents are invited in accordance with the provisions of the General Conditions of Contract (A-STD-0020) Issue 5 dated 22 June 2022 , as well as any special condition contained in these documents. Copies of the General Conditions of Contract and the Rules of Procedure are available on Armscor's website at www.armscor.co.za.

BID AWARD RESULTS:

**Result on bid awarding information is not sent to unsuccessful bidders.
Particulars of successful bidders are also NOT published on the Armscor
Acquisition Bulletin.**

BIDDING STRUCTURE

Indicate the type of bidding structure by marking with an 'X' in an appropriate box.	
Individual Bidder	
Joint Venture	
Consortium	
Using Sub-contractors	
Other	

Only fill the relevant category:

If individual bidder, indicate the following:	
Name of Bidder	
Company / Close Corporation Registration Number	
VAT Registration Number	
National Treasury Supplier Number	
Unique Registration Reference Number	
Contact Person	
Telephone Number	
Fax Number	
Email Address	
Postal Address	
Physical Address	
NB: Submit with the bid the following documents:	
Copies of the bidder's CIPC company registration documents listing all members with percentages, in case of a CC.	
In case of individual supply ID document for local and if foreigner supply passport number or identification as applicable in that country.	
Latest copies of all share certificates, in case of a company or any other form of a legal entity.	
Shareholding breakdown per race, gender and percentage shareholding with shareholders of the bidding entity.	

If Joint Venture or Consortium, indicate the following: (To be completed for each JV/Consortium member)	
Name of Joint Venture / Consortium	
Company / Close Corporation Registration Number	
VAT Registration Number	
National Treasury Supplier Number	
Unique Registration Reference Number	
Contact Person	
Telephone Number	
Fax Number	
Email Address	
Postal Address	
Physical Address	
NB: Submit with the bid the following documents:	
Copies of the bidder's CIPC company registration documents listing all members with percentages, in case of a CC.	
In case of individual supply ID document for local and if foreigner supply passport number or identification as applicable in that country.	
Latest copies of all share certificates, in case of a company or any other form of a legal entity.	
Shareholding breakdown per race, gender and percentage shareholding with shareholders of the bidding entity.	

If using subcontractors, indicate the following:	
Name of Prime -Contractor	
Percentage Value to be subcontracted	
Company / Close Corporation Registration Number	
VAT Registration Number	
National Treasury Supplier Number	
Unique Registration Reference Number	
Contact Person	
Telephone Number	
Fax Number	
Email Address	
Postal Address	
Physical Address	
Subcontractor Details:	
Name of Subcontractor	
Company / Close Corporation Registration Number	
VAT Registration Number	
National Treasury Supplier Number	
Unique Registration Reference Number	
Contact Person	
Telephone Number	
Fax Number	
Email Address	
Postal Address	
Physical Address	
NB: Submit with the bid the following documents for both Prime and Sub-Contractors:	
Copies of the bidder's CIPC company registration documents listing all members with percentages, in case of a CC.	
In case of individual supply ID document for local and if foreigner supply passport number or identification as applicable in that country.	
Latest copies of all share certificates, in case of a company or any other form of a legal entity.	
Shareholding breakdown per race, gender and percentage shareholding with shareholders of the bidding entity.	

Other:	
Name of Bidder	
Company / Close Corporation Registration Number	
VAT Registration Number	
National Treasury Supplier Number	
Unique Registration Reference Number	
Contact Person	
Telephone Number	
Fax Number	
Email Address	
Postal Address	
Physical Address	
NB: Submit with the bid the following documents:	
Copies of the bidder's CIPC company registration documents listing all members with percentages, in case of a CC.	
In case of individual supply ID document for local and if foreigner supply passport number or identification as applicable in that country.	
Latest copies of all share certificates, in case of a company or any other form of a legal entity.	
Shareholding breakdown per race, gender and percentage shareholding with shareholders of the bidding entity.	

Declaration:

I, as the duly authorized representative of the bidder hereby authorize Armscor to request, investigate and process company information including tax compliance via the SARS website.

.....
Name

.....
ID number

BID CONDITIONS ACCEPTANCE FORM**Bidders shall complete and sign this bid conditions acceptance form**

I/We hereby offer to supply all of the supplies and/or services described in the Pricing Schedule and /or attached documents on the terms and conditions and in accordance with the conditions set out in A-STD-0020 Issue 5 dated 22 June 2022 (and I/we acknowledge that I/we am/are acquainted therewith) at the price and on the terms of delivery/execution inserted by me/us.

I/We agree -

1. that this bid shall remain binding on me/us and open for acceptance for the period stipulated above;
2. that if my/our bids is accepted, the acceptance will be communicated to me/us by letter or order through the post, and such acceptance shall constitute a contract between me/us and Armscor, subject to the terms and conditions set out in Armscor's General Conditions of Contract (A-STD-0020), Issue 5 dated 22 June 2022, the contents of which I/we acknowledge ourselves to be acquainted with.

I/We choose as domicilium citandi et executandi in the Republic

.....

.....

(no post box or private bag)

IN BLOCK LETTERS ON BEHALF OF -

Complete registered:

Name of bidder:.....

AUTHORISED SIGNATURE

..... Date:

Name in block letters:

Capacity:

SUPPLIER REGISTRATION

- 1.1 Bidders must register on the National Treasury Central Supplier Database (CSD) in terms of National Treasury Instruction Note 3 of 2016/17.
- 1.2 Bidders must electronically register for Security on Armscor website to be considered for orders which are administered by Armscor SOC Ltd on Behalf of clients.

For more information on security registration contact:-

The Security Registration

Private Bag X337

PRETORIA

0001

E-mail:- register@armscor.co.za

ALL BIDDERS SHALL COMPLY WITH THE FOLLOWING:

1. The pages of the KD17 document are numbered from one, and the final page bears the words "and last". Bidders should check the numbers of the pages as no liability arising from claims owing to the omission or duplication of pages will be recognised by Armscor. The appendices mentioned in these pages form part of the bids.
2. **All bidders shall -**
 - 2.1. insert their name at the top of each price schedule form used (a rubber stamp may be used);
 - 2.2. insert the information in the spaces provided in the price schedules by writing or typing on the dotted lines only (additional information should be contained in a separate annexure);
 - 2.3. if they wish to make more than one bid against an item, as an alternative, apply for additional copies of the bid documents or photocopy one or more pages, and not retype or redraft any of the forms used;
 - 2.4. indicate the prices quoted in the units shown and quote them per item;
 - 2.5. indicate in respect of each item whether the goods/services quoted comply strictly with the specified requirements, and furnish particulars of deviations if this is not so;
 - 2.6. complete all appendices.
3. **Value-added tax, customs duties, *ad valorem* customs duties and surcharges:**
 - 3.1. Value added tax levied by the Receiver of Revenue must not be included in the prices quoted but be shown as a separate line item.
 - 3.2. Where supplies are quoted which are subject to levying of any customs duty, *ad valorem* customs or excise duty or surcharge by the Department of Customs and Excise, such charges must not be included by the bidder in the prices quoted. The applicable customs duty, *ad valorem* customs or excise duty or surcharge must, however, be indicated separately where provided for on Armscor's Questionnaire (KD 18).
4. **Security:**
 - 4.1. Classified bids are to be handled in the manner set out in Armscor's Security Instruction, document number A-WI-014, copies of which are obtainable on request from the Contractor Security Section, P O Box 411, Pretoria, 0001.
 - 4.2. Attention is drawn particularly to the procedure set out in chapter 4 of the manual, which is to be complied with when forwarding classified documents.

5. **Advance payments:**

Bidders shall furnish the price without advance payment.

6. **Performance Guarantee:**

Armcor reserves the right to request the successful bidders to submit a performance guarantee for the proposed contract. Bidders must submit prices without provision for the performance guarantee as well as prices including the cost of such a guarantee.

7. **Commissions:**

If any commission is payable by yourself to any person(s) or body as a result of any order which may arise from this Request for Proposal, you must submit full details of the applicable person(s) or body and the amount payable, with this bids.

8. **Compliance with Arms Control and Non-Proliferation requirements**

Any bidder responding to this Request for Proposal (RFP) shall comply with the following when dealing with defence matériel:

8.1 All relevant South African legislation, including, but not restricted to, the following:

- a) National Conventional Arms Control Act, Act No. 41 of 2002, and its implementing Regulations; and
- b) Non-proliferation of Weapons of Mass Destruction Act, Act No. 87 of 1993, as amended, and its implementing Regulations.

8.2 Defence export legislation of supplier countries, i.e. countries from which defence matériel is exported to South Africa as well as countries of origin of the matériel.

- 8.3 It is the responsibility of the bidder to, when applicable, register with the Directorate Conventional Arms Control (DCAC), Defence Secretariat, in terms of section 13 of the National Conventional Arms Control Act and with the South African Council for the Non-Proliferation of Weapons of Mass Destruction Act.
- 8.4 If a contract with Armscor is being entered into, the Contractor shall comply with arms control and non-proliferation requirements as prescribed by the contract-

9. Submission of a NCACC Permit

- 9.1 In terms of the National Conventional Arms Control Act (Act No 41 of 2002, Chapter II, section 13), no person may trade in conventional arms, unless that person is:
- a) Registered with the National Conventional Arms Control Committee (NCACC)
 - b) Is in possession of a permit authorised by the NCACC and issued by the Directorate Conventional Arms control (DCAC).

NOTE: Local bidders who trade in Conventional Arms as set out above are required to submit a certified copy of a valid NCACC permit when submitting a bid.

10. Tax Compliance

The conditions detailed in the Instruction for Application for Tax Compliance (KD 25) must be adhered to. Armscor Suppliers /Bidders must remain tax compliant for the duration of their contracts.

11. Defence Industrial Participation and National Industrial Participation

- 11.1 The DIP value threshold of foreign content is based on:

Any single agreement of which the foreign content exceeds USD 2 million; Multiple main agreements concluded within two years of each other, within the framework of a specific project or across different projects, for same and or similar products or services, awarded to the same Seller of which the aggregate value of the foreign content exceeds USD 2 million; Extensions or amendments to the main agreement within the active life of the agreement, which result in the aggregate foreign content value of the project exceeding USD 2 million; Where multiple suppliers are used to address a single Defence Acquisition for the same products or services and the value of the foreign content, in total, exceeds USD 2 million, each supplier shall incur pro rata 50% of the total DIP obligation.

- 11.2 Where a contract to the value of the equivalent of USD10 000 000 or more, is placed on a foreign company, a minimum of 30 % National Industrial Participation (NIP) shall be part of the foreign company's contractual obligations, in addition to the 50 % DIP. This condition is also applicable to all contracts placed on a local company, subcontracting a single foreign company to the aforesaid value or more.

12. Mandatory local production and content for designated sectors

- 12.1 A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 12.2 If there is no designated sector, Armscor will include as a specific condition of the bid, that only locally produced services or goods or locally manufactured goods with a stipulated minimum threshold for local production and content, will be considered.

13. **Awarding of Bids**

The awarding of bids will be in terms of the Preferential Procurement Policy Framework Act, 2000: Preferential Procurement Regulations, 2022 and Armscor Preference Point System of the Preferential Procurement Regulations, 2022.

The applicable points are:

Price: (Pp)	80 Points
Specific Goals:	20 Points
	Total: 100 Points

The following formula must be used to calculate the points in respect of a bid up to a rand value of R 50 000 000, 00 (all applicable taxes included).

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

80/20

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

Where

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

ITEM NO	DESCRIPTION	QTY	UNIT PRICE IN FOREIGN CURRENCY	UNIT PRICE IN S.A. CURRENCY	SUBTOTAL
1.1	Supply, install, and commission a canteen and its installed infrastructure as per <u>Annexure A: User Requirement Specifications (URS) and Annexure D: Armscor BOQ – Construction Preliminaries and Generals</u> of the RFB document.	1			
1.2	Supply, install, and commission a canteen and its installed infrastructure as per <u>Annexure A: User Requirement Specifications (URS) and Annexure E: Armscor BOQ – Construction Main Works</u> of the RFB document.	1			
1.3	Supply, install, and commission a canteen and its installed infrastructure as per <u>Annexure A: User Requirement Specifications (URS) and Annexure F: Armscor BOQ – Catering Equipment</u> of the RFB document.	1			
	Single-envelope evaluation approach Transformation Requirements - Black Equity Ownership – 35% - Applicable - Specific Goals applicable - Table B				
TOTAL (excluding VAT)					
VAT					
TOTAL (including VAT)					

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- 1. Delivery address: Armscor Dockyard, Simon’s Town
- 2. * Period required for commencement of delivery, after receipt of order:
- 3. * Rate of delivery:.....
- 4. * Period required for completion of order, after receipt thereof:
Date is compulsory if the envisaged delivery date is known or indicated on the tasking letter
- * Must be completed by Bidder if not completed by Armscor

-1-

**ARMAMENTS CORPORATION OF SOUTH AFRICA LTD
(ARMSCOR)**

QUESTIONNAIRE

REPLIES

1. What is the request for bids number?

.....

2. Price basis of bids (**Delivered into store**):

.....

3. Indicate which of the following applies:

3.1 The prices are fixed.

☐

3.2 The prices are not fixed

☐

4. The delivery period shall be fixed

5. Are you the accredited agent in the RSA for the manufacturer of the supplies quoted by you?

.....

WHERE SUPPLIES OFFERED ARE TO BE IMPORTED OR ARE OFFERED EX BONDED WAREHOUSE, THE ATTACHED SECURITY QUESTIONNAIRE (KD 22) MUST BE COMPLETED AND THE FOLLOWING QUESTIONS ANSWERED:

6. Is a special import permit required?

.....

If not, state your imports permit number

.....

7. What are the names and addresses of your overseas suppliers? (Give particulars in KD 22)

.....

8. Foreign content:

8.1 What amount in foreign currency must be remitted? overseas?

.....

8.2 What is the rate of exchange used in converting the

ZAR1, 00 =.....

amount into SA Rand and the date on which this is based? DATE:

9. Statutory costs:

9.1 Are the goods quoted on subject to customs duty, ad valorem customs or surcharge?

.....

.../2

-2-

9.2 If so, what is the amount payable in respect of

a) Customs duty

b) Ad valorem customs duty?

PRICE BREAKDOWN

10. The following particulars must be furnished, failure of which may invalidate the bids.

	AMOUNT	% OF TOTAL PRICE
10.1 FOB/FCA cost of item		
10.2 Sea/Air freight		
10.3 Insurance charges		
10.4 Clearance charges		
10.5 Customs duties		
10.6 Ad valorem customs duties		
10.7 Delivery costs from port/airport to your premises		
10.8 Local content (excluding (10.10))		
10.9 Delivery costs from your premises into store		
10.10 Balance (detail to be submitted)		
TOTAL		

.....
DATE

.....
BIDDER'S SIGNATURE

-1-

**ARMAMENTS CORPORATION OF S.A. LIMITED
(ARMSCOR)**

PREVIOUS PURCHASES

LAST TWO BIDS

If any similar or identical equipment has been supplied to ARMSCOR,
or to any of ARMSCOR'S subsidiaries or the South African National Defence
Force, the completion of this form by bidders is compulsory.

DATE OF BIDS	ORGANIZATION	ORDER NO.	ITEMS PURCHASED	UNIT PRICE	MOTIVATION FOR PRICE DIFFERENCES

BIDDER:	
SURNAME AND INITIALS:	
DATE:	
SIGNATURE:	

**ARMAMENTS CORPORATION OF SOUTH AFRICA LIMITED
(ARMSCOR)**

SECURITY QUESTIONNAIRE ON THE IMPORTED CONTENT OF BIDS

1. In all cases where the supplies quoted are imported (either in full or in part), bidders shall furnish the following particulars (if space is insufficient, use additional pages):

1.1 COUNTRY OF ORIGIN:

Item No(s).	Country
.....	
.....	
.....	
.....	

1.2 NAME OF MANUFACTURER(S)/SUPPLIER(S)/STOCKIST(S):

Item No(s).	Name
.....	
.....	
.....	
.....	

1.3 NAME OF INTERMEDIARY (IES) (WHEN THERE IS NO DIRECT CONTACT WITH THE FIRMS LISTED IN 1.2):

Item No(s).	Name
.....	
.....	
.....	
.....	

1.4 NAME OF AGENTS RESPONSIBLE FOR SHIPPING AND CLEARANCE:

Item No(s)	Name
.....	
.....	
.....	
.....	

1.5 NAME OF BANK ARRANGING TRANSFER OF FUNDS OVERSEAS:

Item No(s).	Name
.....	
.....	
.....	
.....	

.../2

1.6 IS AN END-USER CERTIFICATE REQUIRED? YES/NO

If yes:-

Item No. (s).

.....

1.7 ARE THE ITEMS SUBJECT TO ANY SPECIAL EXPORT REQUIREMENTS? YES/NO

If Yes:-

Item No. (s).

Requirements

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

2. Failure to furnish the information requested may render the bid invalid.

.....
 NAME

.....
 DATE

.....
 BIDDER'S SIGNATURE

BROAD-BASED BLACK ECONOMIC EMPOWERMENT**ACRONYMS AND ABBREVIATIONS**

B-BBEE	Broad-Based Black Economic Empowerment
CIPC	Companies and Intellectual Property Commission
COTS	Commercial Off The Shelf
EME	Exempted Micro Enterprises
MOTS	Military Off The Shelf
QSE	Qualifying Small Enterprises
SANAS	South African National Accreditations Systems

1. PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000

1.1 The following preference points will be awarded in terms of the Preferential Procurement Policy Framework Act, 2000: Preferential Procurement Regulations, 2022; Armscor Preference Point System of the Preferential Procurement Regulations, 2022.

1.2 The 80/20 preference point system is applicable to all bids with a Rand value of up to R50 000 000,00 (all applicable taxes included)

1.3 Preference points for this bid shall be awarded for:

Price	80
Specific Goals	20
Total points for Price and Specific Goals must not exceed	100

1.4 **Bidders who do not submit valid proof of Specific Goals claim will score zero (0).**

2. ALLOCATION OF PREFERENCE POINTS FOR SPECIFIC GOALS**2.1 Specific Goals**

2.1.1 The preference points that will be awarded in terms of the specific goals with regards to procurement processes shall be as follows (one table will be applicable for each bid):

TABLE A : Advancement of SMMEs

No	(i) Black owned entities or (ii) Black owned Military Veterans entities or (iii) Black women owned entities or (iv) Black youth owned entities or (v) Entities owned by Black people living with disabilities or (vi) Entities owned by Black people living in rural areas or (vii) Entities owned by Unemployed black people	90/10 preference points system	80/20 preference points system
1.	EMEs or QSEs entities which are 100% black owned	10	20
2.	EMEs or QSEs entities which are 51% - 99% black owned	8	16
3.	EMEs or QSEs entities which are 35% - 50% black owned	4	8
4.	EMEs or QSEs entities which are 0% - 34% black owned	0	0

TABLE B : Advancement of Local Content & Production

	Advancement of entities with local manufacturing capabilities for designated sectors	90/10 preference points system	80/20 preference points system
1.	Full compliance to the applicable minimum threshold for local content & production	2	4
2.	Non-compliance to the applicable minimum threshold for local content & production	0	0
	Advancement of South African Companies	90/10 preference points system	80/20 preference points system
1.	Level 1 and 100% black owned	8	16
2.	Level 2 and at least 51% black owned	6	12
3.	Level 3 and at least 35% black owned	1	2
4.	Below Level 3	0	0

TABLE C : Income Generation

	Income Generation, Disposal or Leasing of Assets Advancement of South African Companies	90/10 preference points system	80/20 preference points system
1.	Level 1	10	20
2.	Level 2	8	16
3.	Level 3	6	12
4.	Below level 3	0	0

TABLE D : Locality

No	Entities Located in Specific Province, Region or Municipality	90/10 preference points system	80/20 preference points system
1.	Entities located within the specific locality	2	4
2.	Entities located outside the specific locality	0	0
	Advancement of South African Companies	90/10 preference points system	80/20 preference points system
1.	Level 1 and 100% black owned	8	16
2.	Level 2 and at least 51% black owned	6	12
3.	Level 3 and at least 35% black owned	1	2
4.	Below Level 3	0	0

TABLE E : Advancement of BEE Compliant Suppliers

No	Advancement of BEE compliant suppliers	90/10 preference points system	80/20 preference points system
1.	100% black equity ownership	10	20
2.	51% - 99% black equity ownership	8	16
3.	35% - 50% black equity ownership	4	8
4.	0% - 34% black equity ownership	0	0
5.	Specialised Entities	10	20

3. PRINCIPLES

3.1 Valid proof of B-BBEE status is either of the following:

3.1.1 A B-BBEE Sworn Affidavit fully completed and

3.1.1.1 Deposed and signed in the presence of the Commissioner of Oaths (Certified true copy not acceptable)

3.1.1.2 Does not contradict itself (% black ownership matches compliance level)

3.1.1.3 Commissioner of Oaths credentials and signature are reflected.

3.1.2 A B-BBEE Certificate issued by either the CIPC or a SANAS Accredited Verification Agency.

3.1.3 An entity submitting an unincorporated Joint Venture / Consortium must attach a Consolidated B-BBEE Certificate in the name of the Joint Venture / Consortium issued by a SANAS accredited Verification Agency.

3.1.4 B-BBEE status must be based on the latest financial year-end information, otherwise it is invalid and unacceptable.

3.2 Local content and production

3.2.1 The complete list of sectors and sub-sectors which are designated for local production with minimum local content threshold can be found on the website of the Department of Trade, Industry & Competition via the link below.

<http://www.thedtic.gov.za/sectors-and-services-2/industrial-development/industrial-procurement/>

3.2.2 The bidder shall submit with the Bid documents a completed Annexure C, D & E and an Exemption letter from the dtic and a letter from the manufacturer.

3.3. Locality

3.3.1 The bidder must submit the municipality bill/local councillor letter (must be not be older than 3 months).

3.3.2 In an event where the bidder is the lessee, the municipality bill and the lease agreement must be submitted.

3.3.3 In an event where the bidder owns the property, the municipality bill must be in the name of the owner of the property.

3.3 Sub-Contracting

3.3.1 It is a requirement of Armscor that subcontracting must be considered by a bidder. Therefore, where a contract from R10 000 000 (million) and above is awarded, Armscor shall endeavour to advance designated groups where applicable.

3.3.2 A bidder awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the bidder concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contracted activities or work..

3.3.3 A bidder awarded a contract must obtain the approval of Armscor prior to any changes in the subcontracting arrangement.

3.4 Ownership

3.4.1 In accordance with the provisions of the Defence Sector Code, it is a requirement of Armscor that all suppliers that do business with Armscor should achieve at least 35% black equity ownership and will be included as a bid condition where applicable.

3.5 Verification of bidders information

The Armscor Transformation Division reserves the right to require a bidder and/or its sub-contractor(s) to substantiate any claim at any stage in the bidding process to verify and confirm the specific goals claim of the bidder and/or its sub-contractor(s).

B-BBEE DECLARATION**1. Confirmation of the Bidder's Turnover**

Name of the Bidder			
Registration Number			
Financial Year End			
Turnover (As at the latest financial year end)	R	Period Starting (Day, Month, Year)	
		Period Ending (Day, Month, Year)	

2. Confirmation of Subcontractors involved in the execution of the order:

Bidder	% Black Ownership	B-BBEE Status	% Value to be Contracted
1.			
Subcontractors	% Black Ownership	B-BBEE Status	% Value to be Contracted
1.			
2.			
3.			

*Percentages of the bid value which will be subcontracted including main contractor must add up to 100%.

3. Confirmation of Suppliers involved in the execution of the order:

Supplier's name	% Black Ownership	B-BBEE status	% Value to be Supplied
1.			
2.			
3.			
4.			
5.			

I, the undersigned, am duly authorised to certify on behalf of the abovementioned entity that the information contained herein above is true and correct.

AUTHORISED SIGNATURE :..... Date:
Name in block letters :
Capacity :

It is a condition of bids that the successful bidder MUST be tax compliant, or that satisfactory arrangements have been made with the South African Revenue Service (SARS) to meet the bidder's tax obligations. FOREIGN COMPANIES ARE REQUIRED TO COMPLETE QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS OF ANNEXURE 1 TO KD 25

1. In order to meet this requirement the bidder is required to access SARS e-filing and complete the SARS ONLINE "SARS tax compliance status" under tax status. Tax compliance requirements are also applicable to individuals who wish to submit bids.
2. SARS will then furnish the bidder with a Tax compliance PIN code that will be valid for a period of 1 (one) year from the date of approval.
3. The Tax compliance PIN letter shall be submitted with the bids, with an authorisation letter for Armscor to use the PIN code for verification of tax compliance status of the bidder.
4. In bids where Consortia /Joint Ventures / are involved, each party must submit a separate tax compliance PIN with authorisation letter.
5. In the event of subcontracting, tax compliance PIN letter and authorisation letter for the subcontractor must also be submitted with the bids.
6. Tax compliance is done via e-filing on the SARS website www.sars.gov.za.

NOTE: Armscor Suppliers/ Bidders and Subcontractors must remain tax compliant for the duration of their contracts.

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 institution	State

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

.....

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.

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 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

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.

**ARMAMENTS CORPORATION OF SOUTH AFRICA LIMITED
(ARMSCOR)**

INTELLECTUAL PROPERTY REQUIREMENTS

1 INTRODUCTION

1.1 What is Intellectual Property?

Intellectual Property (or “IP”) means the result or outcome of human creative effort as typically, but not exclusively, manifested and embodied in or taking the form of data items or documents.

IP typically includes design and mental activities, e.g.:

- Bills of Material (BOM's)
- Instructions,
- Reports,
- Specifications,
- Interface designs,
- Manufacturing processes,
- Material Specifications,
- Processes,
- Product designs,
- Re-engineering (maintenance/obsolescence),
- Software,
- Algorithms,
- Source Codes,
- System/integration designs,
- Test and Evaluation Methods, etc.

IP typically excludes Project Management activities and Hardware created/built according to a design or following a “recipe”.

1.2 How is IP manifested?

IP is typically manifested and embodied in Data Items or Documents.

“Data items or Documents” means any recorded information, however recorded, including but not limited to books, manuscripts, reports, studies, algorithms, computer software, invention descriptions, registered patents, drawings, designs, plans, analyses, calculations, standards, data packs, process documents, instructions, specifications, mathematical or simulation models, compositions, photographs, video recordings, audio recordings, reports, holographic recordings, trademarks, graphical images, etc.

NOTE:

- The document itself is not IP
- The contents of a document represent IP
- The document becomes the tangible and recordable carrier of IP

1.3 What is Background IP?

For definition, refer to A-STD-0020 “Armcor General Conditions of Contract”.

“Background IP” belongs to a contractor because he fully paid for the generation thereof or had bought it at his own cost, which may be used or serve as a basis from which to develop new Foreground IP.

1.4 What is Historic IP?

“Historic IP” is existing IP which was created previously, and which may serve as a basis from which to develop new Foreground IP.

1.5 What is Foreground IP?

For definition, refer to A-STD-0020 “Armcor General Conditions of Contract”.

“Foreground IP” is new intellectual property that is created during the execution of the order.

1.6 When is IP Shared or Jointly Owned or Co-owned?

For the definition, refer to A-STD-0020 “Armcor General Conditions of Contract”.

“Shared” or “Jointly Owned” or “Co-owned” IP is IP which belongs to both the DOD and a contractor, because both contributed to the cost of generation thereof. Ownership is typically (and preferably) proportional to contribution.

Historic and Foreground IP may be either

1. Wholly owned by the DOD; or
2. Shared or Jointly Owned or Co-owned between DOD or the contractor

2. IP RECORDAL REQUIREMENTS

It is a requirement that prospective suppliers provide all information about applicable Intellectual Property (IP) to the bid. Armcor will record the information on their IP System that will generate a Statement of IP which will be appended to the order. The Statement of IP will serve as a contractual agreement between Armcor and the contractor in so far as IP related matters are concerned.

The recordal requirements are further described herein and broken down to an appropriate level, as follows:

2.1 Background IP Utilised

For each Background IP Item that will be modified or utilised to generate Foreground IP in the execution of the quoted scope of work, provide the following details:

- Short IP description
- Original Supplier
- Cost of Establishment (If available)

2.2 Historic IP Utilised

For each Historical IP item that will be modified or is required as a prerequisite in the execution of the quoted scope of work, provide the following details:

- Armcor IP Number (if available)
- Short IP description
- The next information is to be provided **per order**, on which Historic IP was established:
 - Order Number on which Historic IP was generated
 - Master record index (MRI) reference
 - Original Supplier
 - Cost of Establishment
 - Percentage Ownership (DOD)
 - Associated Milestone / Line item on the order under which the IP was established

2.3 Foreground IP to be generated

For each new Foreground IP item that will be generated in the execution of the quoted scope of work, provide the following details:

- IP number of Historic IP, if IP is enhanced (modified/improved/upgraded).
- Short IP description
- Master record index (MRI) reference with version and date
- Original Supplier
- Cost of Establishment
- Percentage Ownership (DOD)
- Associated Milestone / Line item on the order under which the IP will be established.

Note 1: The cost of establishment has always been included in item/milestone prices of order, and will continue to be so included, but will in future become visible by being shown separately in the Statement of IP appended to orders in order to properly manage such IP;

Note 2: To facilitate the easy and correct recording of IP, bidders and contractors will be required to utilise the specially constructed spread sheet from Armscor's web site.

After completion, the spreadsheet must be printed and attached to the bid, which will thus form an integral part of the bid.

3. SAFEGUARDING OF IP

3.1 IP Agreement

The IP agreement which will be embodied in the Statement of IP will be concluded with the main contractor in the name of the main contractor and will apply to the creating sub-contractor(s), who will remain the design authority for his particular IP.

3.2 Management and Safeguarding of IP

The main contractor will be responsible for the management of IP he generated during the execution of the order, as well as the management of IP generated by his sub-contractors. Upon completion of the project or order, the relevant IP will be formally transferred to the main contractor, who will then be responsible for the continued management of such IP.

The main contractor will be responsible for proper safeguarding and configuration control of IP, including off-site back-ups, as further described in various other Armscor documents, e.g. A-STD-0020 "Armscor General Conditions of Contract, K-STD-61 "Armscor Standard for Technical Contract Conditions", A-WI-014 "Armscor Security Instruction" and other documents that may be applicable.

3.3 IP Delivery

Notwithstanding 3.2 above, upon completion of the order, the main contractor will deliver all data items or documents relating to the IP generated during the execution of the order to Armscor ADAC Department.

3.4 IP Audits

Armscor is by law required to conduct an IP or intangible asset audit of all existing DOD IP every financial year. The main contractor will cooperate with Armscor's Intellectual Property Management Division and the Auditor General during the audit period and will make available all relevant information required to conduct the audit.

4. COMPLETION OF THE IP INFORMATION BY MEANS OF THE ELECTRONIC FORM

4.1 Background

The electronic form of the KD27 IP Information.xlsx is available as a Microsoft Excel workbook on the Armscor website (www.armscor.co.za/Downloads/Download.asp) and must be used as template to provide the relevant IP information.

The workbook consists of the following three spreadsheets:

- “Background IP” provides a form to capture all background IP information
- “Historic IP” provides a form to capture all historic IP information.
- “Foreground IP” provides a form to capture all foreground IP information.

4.2 Electronic Form Definitions

The column definitions as provided in the forms are as follows:

IP Name	A short descriptive name to identify the IP item.
IP Number	Armscor Number provided to Historic IP.
IP Description	An abridged description of the IP Item.
Original Supplier	The name of the supplier at which the IP item exists or was established.
Establishment Cost	The amount paid by Armscor to establish the IP Item (including VAT).
MRI Reference	The Master Record Index (MRI) or other document reference that uniquely describe the IP.
DOD Shareholding	The percentage of the IP that belongs to the DOD through Armscor
Associated Milestone/Item	The contractual milestone or item, which when completed, will define the point in time at which the IP will be established.

5. INTELLECTUAL PROPERTY QUESTIONNAIRE

I/We, the undersigned, who warrant that I/we am/are duly authorised to do so on behalf of the firm certify that the following information is correct and complete in terms of Intellectual Property relevant to the offered scope of work. (Please circle the relevant answer)

Will Background IP be applicable during the execution of the quoted scope of work? Yes No

If yes, state particulars by completing the ‘Background IP’ worksheet. Indicate each IP item as a separate line.

Will Historic IP be utilised and/or is it required as a prerequisite to execute the quoted scope of work? Yes No

If yes, state particulars by completing the ‘Historic IP’ worksheet for each IP item. Indicate each IP item as a separate line;

Will any of these Historic IP items be enhanced during the execution of the quoted scope of work? Yes No

If yes, also complete the ‘Foreground IP’ worksheet for those IP items

Will new Foreground IP be generated during the execution of the quoted scope of work? Yes No

If yes, state particulars by completing the ‘Foreground IP’ worksheet for each IP item. Indicate each IP item as a separate line.

This completed form, along with all additional information, as requested above where relevant, populated on the KD27 Spreadsheet, have to be attached to the bid.

WITNESSES:

1

2

SIGNATURES OF BIDDER(S)

DATE:

ADDRESS:
.....
.....

DEFENCE SECTOR BBBEE SWORN AFFIDAVIT – EXEMPTED MICRO ENTERPRISE

I, the undersigned,

Full name & Surname	
Identity number	

Hereby declare under oath as follows:

1. The contents of this statement are to the best of my knowledge a true reflection of the facts.
2. I am a Member / Director / Owner of the following enterprise and am duly authorised to act on its behalf:

Enterprise Name:	
Trading Name (If Applicable):	
Registration Number:	
Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):	
Nature of Business:	
Definition of “Black People”	As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 “Black People” is a generic term which means Africans, Coloureds and Indians – (a) who are citizens of the Republic of South Africa by birth or descent; or (b) who became citizens of the Republic of South Africa by naturalisation- i. before 27 April 1994; or ii. on or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date;”
Definition of “Black Designated Groups	“Black Designated Groups means: (a) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution; (b) Black people who are youth as defined in the National Youth Commission Act of 1996; (c) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act; (d) Black people living in rural and under developed areas; (e) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011;”

ANNEXURE 1 TO KD24

3. I hereby declare under Oath that:

- The Enterprise has _____% Black Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- The Enterprise has _____% Black Female Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- The Enterprise has _____% Black Designated Group Beneficiaries as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- Black Designated Group Owned % Breakdown as per the definition stated above:
 - Black Youth % = _____%
 - Black people living with disabilities % = _____%
 - Black Unemployed % = _____%
 - Black People living in Rural areas % = _____%
 - Black Military Veterans % = _____%
- Based on the Financial Statements/Management Accounts and other information available on the latest financial year-end of _____, the annual Total Revenue was R5,000,000.00 (Five Million Rands) or less
- Please confirm on the table below the B-BBEE level contributor, **by ticking the applicable box.**

100% Black Owned	Level One (135% B-BBEE procurement recognition)	
At Least 51% Black Owned	Level Two (125% B-BBEE procurement recognition)	
Less than 51% Black Owned	Level Four (100% B-BBEE procurement recognition)	

4. I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the owners of the enterprise which I represent in this matter.

5. The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

Commissioner of Oaths	Deponent
Credentials and Signature	Signature
Date	Date

DEFENCE SECTOR BBBEE SWORN AFFIDAVIT – QUALIFYING SMALL ENTERPRISE

I, the undersigned,

Full name & Surname	
Identity number	

Hereby declare under oath as follows:

1. The contents of this statement are to the best of my knowledge a true reflection of the facts.
2. I am a Member / Director / Owner of the following enterprise and am duly authorised to act on its behalf:

Enterprise Name:	
Trading Name (If Applicable):	
Registration Number:	
Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):	
Nature of Business:	
Definition of “Black People”	As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 “Black People” is a generic term which means Africans, Coloureds and Indians – (a) who are citizens of the Republic of South Africa by birth or descent; or (b) who became citizens of the Republic of South Africa by naturalisation- i. before 27 April 1994; or ii. on or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date;”
Definition of “Black Designated Groups	“Black Designated Groups means: (a) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution; (b) Black people who are youth as defined in the National Youth Commission Act of 1996; (c) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act; (d) Black people living in rural and under developed areas; (e) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011;”

Issued in terms of the Defence Sector Code (Gazette 42391 - 12 April 2019)

Last update- 2023-05-12

RESTRICTED

RFB No: ARMD/2023/21

3. I hereby declare under Oath that:

- The Enterprise has _____% Black Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- The Enterprise has _____% Black Female Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- The Enterprise has _____% Black Designated Group Beneficiaries as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- Black Designated Group Owned % Breakdown as per the definition stated above:
 - Black Youth % = _____%
 - Black people living with disabilities % = _____%
 - Black Unemployed % = _____%
 - Black People living in Rural areas % = _____%
 - Black Military Veterans % = _____%

- Based on the Financial Statements/Management Accounts and other information available on the latest financial year-end of _____, the annual Total Revenue was between R5,000,000.00 (Five Million Rands) to R50,000,000.00 (Fifty Million Rands)

- Please confirm on the table below the B-BBEE level contributor, **by ticking the applicable box.**

100% Black Owned	Level One (135% B-BBEE procurement recognition)	
At Least 51% Black Owned	Level Two (125% B-BBEE procurement recognition)	

4. I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the owners of the enterprise which I represent in this matter.

5. The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

Commissioner of Oaths	Deponent
Credentials and Signature	
	Signature
Date	Date

ANNEXURE 1 TO KD25

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF ARMSCOR							
BID NUMBER:		CLOSING DATE:		CLOSING TIME:			
DESCRIPTION							
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT :							
ARMSCOR BID BOX VISITORS ENTRANCE (BLOCK 8), 370 NOSSOB STREET,							
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO				TECHNICAL ENQUIRIES MAY BE DIRECTED TO:			
CONTACT PERSON	Mr. A.L Mmbengwa			CONTACT PERSON	Mr. A.L Mmbengwa		
TELEPHONE NUMBER	012 428 3610			TELEPHONE NUMBER	012 428 3610		
FACSIMILE NUMBER	N/A			FACSIMILE NUMBER	N/A		
E-MAIL ADDRESS	scmbids@armscor.co.za			E-MAIL ADDRESS	scmbids@armscor.co.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] ☐ Yes ☐ No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT		[TICK APPLICABLE BOX] ☐ Yes ☐ 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?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?		☐ Yes ☐ No		
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS							
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?				☐ YES ☐ NO			
DOES THE ENTITY HAVE A BRANCH IN THE RSA?				☐ YES ☐ NO			
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?				☐ YES ☐ NO			
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?				☐ YES ☐ NO			
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?				☐ YES ☐ 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.							

ANNEXURE 1 TO KD25

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, 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
2. TAX COMPLIANCE REQUIREMENTS
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO 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 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:



RFB NUMBER: ARMD/2023/21

**PROVISION OF CONSTRUCTION AND PROCUREMENT SERVICES
TO TRANSFORM A WORKSHOP INTO A CANTEEN AT ARMSCOR
DOCKYARD**

SUMMARY: THIS DOCUMENT CONTAINS REQUIREMENTS FOR THE SERVICES RELATED TO CONSTRUCTION MATERIALS AND CATERING EQUIPMENT PURCHASE, SUPPLY, DELIVERY, INSTALLATION, AND COMMISSIONING OF A CANTEEN AND ITS INSTALLED INFRASTRUCTURE AT ARMSCOR DOCKYARD.

Document Issue: 01

APPROVAL PAGE

COMPILED BY:



MR K MADITSI
PROJECT MANAGER
SHEQ DIVISION
ARMSCOR DOCKYARD

07/10/2024

DATE

APPROVED BY:



MR F SITHOLE
DIVISIONAL MANAGER
ENGINEERING SERVICES
ARMSCOR DOCKYARD

07/10/2024

DATE

AMENDMENT HISTORY		
DOCUMENT ISSUE	DATE	CHECKED BY
01	MAY 2024	MR F SITHOLE
01	MAY 2024	BSC Members
	OCTOBER 2024	BSC Members

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COPY NUMBER	DISTRIBUTION
01 (Master Copy)	Mr J Relihan Armscor Dockyard Procurement Secretariat

DEFINITIONS

The following non-standard terms have been used in this document, which are explained as follows:

Client	ARMSCOR Dockyard
Contractor/Bidder/Service Provider	The company contracted by ARMSCOR to supply as per Specification and the bill of quantities (BOQ)
RFB	Request For Bid

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Annexure F: Armscor BOQ – Catering Equipment

Annexure G: Supporting Drawings

CIDB Annexures

DTIC Annexures

INTRODUCTION

1.1 Instruction to bidder

The Bidder must strictly adhere to the requirements stipulated in this Request for Bid (RFB). The onus rests on the Bidder to submit an unambiguous bid in order to enable Armscor to carry out a transparent and fair bid evaluation.

1.2 Scope

The scope of this RFB covers the requirement to appoint a service provider who will be responsible for the provision of construction and procurement services to transform a canteen into a catering facility. The scope includes amongst others material and equipment delivery, construction, installation, commissioning and training at Armscor Dockyard in Simon's Town

2 DOCUMENTS

Armscor documents are available on the Armscor Website <https://www.armscor.co.za/>
The following documents are applicable to this RFB to the extent specified herein:

2.1 Applicable Documents

No	Document No	Title
1.	A-PROC-9053	Supplier Sourcing Procedure (BIDS)
2.	A-DOC-9046	Terms of Reference for the Bid Specification Committee
3.	A-DOC-9045	Terms of Reference for the Bid Evaluation Committee
4.	A-PRAC-4011	Transformation Practice
5.	Annexure A: URS ARMD/2023/21	USER REQUIREMENT SPECIFICATION for the appointment of a service provider to provide construction and procurement services to transform a workshop into a canteen at Armscor Dockyard.
6.	Annexure D	Armscor BOQ: Construction – Preliminaries and Generals
7.	Annexure E	Armscor BOQ: Construction – Main works
8.	Annexure F	Armscor BOQ: Catering Equipment
9.	OHSA	Occupational health and Safety Act 85 of 1993
10.	PPPFA Regulation of 2022	Preferential Procurement Practise Regulations of 2022.
11.	REF-001	Design and Maintenance Guide 18: Design of Catering Facilities
12.	SCM Broadcaster	SCM Operating Process dated 10 March 2022
13.	A-STD-0010	Rules Applicable to Prospective Contractors, Issue 2,

		21 April 2014
14.	A-STD-0020	Armcor General Conditions of Contract, Issue: 005, 22 June 2022.
15.	A-STD-61 Part 3	Contract Conditions, Technical, Standard for Non-complex Programmes Applicable to clause 2 of A-STD-0020.
16.	Act 38 of 2000	Construction Industry Development Board Act
17.	JBCC 2007	JBCC Principal Building Agreement Edition 5.0- July 2007

2.2 Reference Documents

No	Document No	Title
1.	A-DOC-9046	Terms of Reference for the Bid Specification Committee
2.	A-DOC-9045	Terms of Reference for the Bid Evaluation Committee
3.	AA-GUID-1014	Critical Criteria Guideline
4.	Annexure A: URS ARMD/2023/21	USER REQUIREMENT SPECIFICATION for the appointment of a service provider to provide construction and procurement services to transform a workshop into a canteen at Armcor Dockyard.
5.	Act 5 of 2000	Preferential Procurement Policy Framework Act (PPPFA) & Regulations
6.	Act 52 of 2003	Broad-Based Black Economic Empowerment Act, as amended
7.	Act 38 of 2000	Construction Industry Development Board Act

3 BID REQUIREMENTS

3.1 GENERAL

The bid shall address each and every requirement of the RFB in a comprehensive and logical way. The following information and communication are to be observed:

3.1.1 Armcor Registration

In order to qualify as a potential supplier, prospective Bidders must be registered with Armcor as a supplier. Bidders that are not registered shall undertake to register before the bid submission closing date. Registration must take place prior to any contract placement.

3.1.2 Communication

- a. All communication with Armcor shall be made to: The Procurement Division, E-mail address: BambananiT@armcordy.co.za, Tel: +27 (021) 787 3149.

- b. The Bidder shall appoint a single person for communication with Armscor. Communication shall not take place via an agent or representative other than a fulltime employee of the Bidder.
- c. All enquiries regarding the RFB shall be directed to the Procurement Secretariat and the RFB reference number shall be used in all correspondence.
- d. No direct contact or communication with Armscor or the Department of Defence personnel shall be allowed, unless through formally arranged meetings or briefing sessions if and when required by the prospective Bidders.

3.1.3 Submission of Bids

Partial Bids: Armscor shall only consider a bid for the total requirement. Partial bids shall not be considered.

3.1.4 Validity of Bids

The validity of the bid shall be one hundred and twenty (120) days after the tender closing date.

3.1.5 Confidentiality of Information

The information contained in this RFB, as well as the response received shall be treated as "Company Confidential" between Armscor and the Bidder submitting the response. The receiver of this RFB may not disclose any information in connection with this RFB to the media or any third party, or allow information to be disclosed without prior written approval of Armscor. The potential Bidder shall ensure that any confidentiality arrangements between themselves and Armscor apply *mutatis mutandis* to partners and/or subcontractors or agents of the Bidder.

3.1.6 Submission of Offer Documentation

The original offer and two (2) copies thereof together with any supporting documentation such as brochures, handbooks and drawings shall be submitted to Armscor. The original must be marked as the original and each copy must be marked with a copy number. The original shall take precedence over any copy in the event of discrepancies.

3.2 MINIMUM REQUIREMENTS

The following is the minimum prescribed requirements of the bid:

3.2.1 Covering Letter

The covering letter shall give a brief introduction to the bid and briefly summarise the implementation methodology, time-scale and the total cost. The letter shall also state any other aspects the Bidder deems necessary and important. The Bidder shall use the company's official letterhead when providing the covering letter.

3.2.2 Appendices to be Completed

The Bidder shall complete and submit the following with their tender offer:

ANNEXURE B: OHASA Act Agreement

ANNEXURE D: Armscor BOQ: Construction – Preliminaries and Generals (P&Gs)

ANNEXURE E: Armscor BOQ: Construction – Main Works

ANNEXURE F: Armscor BOQ: Catering Equipment

DTIC Annexures:

Annex C: Local Content Declaration – Summary Schedule

Annex D: Imported Content Declaration – Supporting Schedule

Annex E: Local Content Declaration – Supporting Schedule to Annex C

3.2.3 Forms to Be Completed

The Bidder shall complete and submit the following with their tender offer:

- **Commercial Bid:** All Armscor KD forms as per Armscor Procurement Secretariat requirements.

- 3.2.3 The Bidder shall **demonstrate**, as part of their bid and with the necessary **evidence**, that they have the necessary resources and appropriate expertise to supply the requested products and services should they be awarded the contract.

Note: ARMSCOR Dockyard retains the right to perform an audit to confirm the integrity of the content of the bids received.

3.3 REGISTRATION OF E-PORTAL BIDS

In the case where potential bidders have downloaded the bid documents or obtained it from a party that downloaded it from the E-portal or any other bid notification service provider, they are requested to inform the following person:

Ms Bambanani Tiso, E-mail address: BambananiT@armscordy.co.za, Tel: +27 (021) 787 3941.

By doing so, they will ensure that they are captured on the list of potential bidders and receive tender related correspondence such as bidders briefing minutes etc. Failure to register as such may invalid the bidders bid as their bid may exclude updated information issued by means of Bidders briefing minutes or updates.

3.4 BIDDERS CONFERENCE

A COMPULSORY bidder's conference shall be held at Armscor Dockyard, Simon's Town on **23/10/2024 at 11:00am**. Potential bidders are required to RSVP with Ms Bambanani T at telephone number (021) 787 3149/ E-mail address: BambananiT@armscordy.co.za no later than 22/10/2024.

3.5 MANDATORY REQUIREMENTS

3.5.1 Tax Clearance Certificate Requirements

It is a condition of bid that the successful bidder must be tax compliant, or that satisfactory arrangements have been made with the South African Revenue Service (SARS) to meet the bidder's tax obligations (Not applicable to foreign companies).

- a. In order to meet this requirement, the bidder is required to access SARS e- filing and complete the SARS ONLINE "SARS tax compliance status" under tax status. Tax compliance requirements are also applicable to individuals who wish to submit offers.
- b. SARS will then furnish the bidder with a Tax compliance PIN code that will be valid for a period of 1 (one) year from the date of approval.
- c. The Tax compliance PIN letter shall be submitted with the bid, with an authorisation letter for Armscor to use the PIN code for verification of tax compliance status of the supplier.
- d. In bids where Consortia /Joint Ventures are involved, each party must submit a separate tax compliance PIN with authorisation letter.
- e. In the event of subcontracting, tax compliance PIN letter and authorisation letter for the subcontractor must also be submitted with the bid.
- f. Tax compliance is done via e-filing on the SARS website **www.sars.gov.za**
- g. Original valid tax clearance certificates issued before 18 April 2016 are still valid until the expiry date or on replacement with SARS tax compliance PIN.

NOTE: Armscor Suppliers/ Bidders and Subcontractors must remain tax compliant for the duration of their contracts.

4 BID EVALUATION

4.1 Bid Evaluation Process

- a. Each received bid will be evaluated in three (3) stages. A bid that does not comply with the requirements of stage one (1) will be eliminated from the evaluation process.

Bids received will be evaluated in accordance with an approved value model that was developed in accordance with A-DOC 9046 and A-PROC-9053.

- b. The bids will be evaluated against the evaluation criteria that are reflected in this RFB. Failure by a bidder to comply with any of the single critical criterion will result in immediate elimination from the evaluation process.

STAGE 1	CRITICAL CRITERIA
STAGE 2	SPECIFIC GOALS
STAGE 3	PREFERENCE POINT SYSTEM - 80 (PRICE) / 20 (SPECIFIC GOALS)

4.2 Awarding Of Bids

- a. The awarding of bids will be in terms Preference Point System (PPS). All bids meeting the stated critical criteria will be evaluated in terms of the following PPS:
- b. The applicable PPS points are:

Price:	80 points
Specific Goals:	20 points

4.3 Stage 1: Critical Criteria

Should the bidder fail to comply with any one of the critical criteria, the bid will be eliminated from the bid evaluation process resulting in it not being eligible for the awarding of a bid.

Criterion: 1: Compulsory Bidders Briefing

<u>Criterion 1: Compulsory Bidders Briefing</u>	
<u>Requirement:</u> The bidder shall attend the compulsory briefing meeting to be held in two (2) sessions at Armscor Dockyard as follows: (a) Discussion of RFB documents (specifications and evaluation documents) in the boardroom.	<u>Compliance Evidence:</u> The bidder shall record their attendance (name, company and signature) on both <u>attendance registers</u> signed at: (a) Boardroom (b) Construction Site

(b) Site inspection (to assess practicality and allow for accurate quotation)	
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Criterion: 2: Technical Competencies CHSM

<u>Criterion 2: Technical Competencies CHSM</u>	
<u>Requirement:</u> The bidder shall allocate a Construction Health and Safety (CHS) Practitioner who is registered with the SACPCMP as a: a) Construction Health and Safety Officer (CHSO), or b) Construction Health and Safety Manager (CHSM) or c) Profession Construction Health (PrCHS) <i>Note:</i> This resource will oversee the entire installation or construction from inception to testing and commissioning.	<u>Compliance Evidence:</u> The bidder shall submit with the bid a valid registration certificate or letter, issued by SACPCMP, for the allocated CHS Practitioner, either as a: a) Construction Health and Safety Officer (CHSO), or b) Construction Health and Safety Manager (CHSM) or c) Profession Construction Health (PrCHS)

Criterion: 3: Technical Competencies CPM

<u>Criterion 3: Technical Competencies CPM</u>	
<u>Requirement:</u> The bidder shall allocate a Construction Project Manager (CMP) who is registered with the SACPCMP as a: a) Candidate Construction Project Manager (CCPM), or b) Professional Construction Project Manager (PrCPM) <i>Note:</i> This resource may oversee the entire installation or construction in full or partial from inception to testing and commissioning.	<u>Compliance Evidence:</u> The bidder shall submit with the bid a valid registration certificate or letter, issued by SACPCMP, for the allocated CPM, either as a: a) Candidate Construction Project Manager (CCPM), or b) Professional Construction Project Manager (PrCPM)

Criterion: 4: Registration with CIDB

<u>Criterion 4: Registration with Construction Industry Development Board (CIDB)</u>	
<u>Requirement:</u> The bidder shall be registered with the Construction and Industry Development Board (CIDB) as a General Building or Mechanical Engineering contractor grading designation of <u>4 GB</u> or <u>4 ME</u> or <u>higher</u>.	<u>Compliance Evidence:</u> The bidder shall submit with the bid a valid CIDB registration letter/status indicating a unique CIDB CRS number. The bidder's registration must be valid <u>4 GB</u> or <u>4 ME</u> or <u>higher</u> at the closing date of the bid. If the bidder is a Joint Venture, then the bidders shall submit a combined valid CIDB registration letter/status indicating a unique CIDB CRS number. Joint ventures are eligible to submit tenders provided that: 1. every member of the joint venture is registered with the CIDB; 2. the lead partner has a contractor grading designation in the <u>General Building</u> or <u>Mechanical</u> class of construction work or not lower than one level below the required grading designation in the class of works construction works under considerations and possess the required recognition status 3. the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a <u>General Building</u> or <u>Mechanical</u> class of construction work or a value determined in accordance with Regulation 25 1 B) or 25 7 A) of the Construction Industry Development Regulations

Criterion: 5: Previous relevant construction experience

Criterion 5: Previous relevant construction experience	
<u>Requirement:</u> The bidder shall have completed at least two (2) construction or refurbishment works or projects which included the installation of Mechanical and Electrical equipment or systems.	<u>Compliance Evidence:</u> The bidder shall submit either; (a) Signed reference letter, issued by at <u>least two (2)</u> of their previous clients or principal agents. The reference letter shall be written on the client or principal agent letter-head, issued with valid contactable references, confirming the following as a minimum: i. Name of the bidder. ii. Project Description with specific reference to “ • <i>Construction project which included Mechanical and Electrical Equipment/ systems; or</i> • <i>Refurbishment project which included Mechanical and Electrical Equipment/ systems;</i> iii. Completion Date. iv. Name and contact details of the client. v. Signature of the client delegated official. Or (b) Signed completion certificate, issued by at <u>least two (2)</u> of their previous clients or principal agents. The certificate shall be written on the client or principal agent letter-head, issued with valid contactable references, confirming the following as a minimum: i. Name of the bidder. ii. Project Description with specific reference to “ • <i>Construction project which included Mechanical and Electrical Equipment/ systems; or</i> • <i>Refurbishment project which included Mechanical and Electrical Equipment/ systems;</i> iii. Completion Date. iv. Name and contact details of the client/ principal agent.

	v. Signature of the client/ principal agent delegated official. Or c) Combination of signed reference letter and completion certificate, issued by at <u>least two (2)</u> of their previous clients or principal agents. The certificate shall be written on the client or principal agent letter-head, issued with valid contactable references (name, Tel and email). Should the completion certificate not indicate the stipulated construction and refurbishment works, then additional supporting documents issued by the client or principal agent or main contractor shall be submitted.
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4.4 Stage 2: Specific Goals

- a) Bid that comply with all the critical criteria shall be further evaluated in terms of the Specific Goals.
- b) The Specific Goals applicable for this RFB is **local content and production** and **Advancement of South African Companies** as indicated below:

	Advancement of entities with local manufacturing capabilities for designated sectors	80/20 preference points system
1.	Full compliance to the applicable minimum threshold for local content & production: For items given under chapter 3 of <u>Annexure A: USER REQUIREMENT SPECIFICATION.</u> (a) Electrical cables (b) Valve products (c) Steel value added products (joining and connecting components, ducting, structural pipework, sheets, etc.) (d) Polyvinyl chloride (PVC) pipes (e) Cement (Cem II or Cem IV)	4
2.	Non-compliance to the applicable minimum threshold for local content & production: For items given under chapter 3 of <u>Annexure A: USER REQUIREMENT SPECIFICATION.</u> (a) Electrical cables (b) Valve products	0

	(c) Steel value added products (joining and connecting components, ducting, structural pipework, sheets, etc.) (d) Polyvinyl chloride (PVC) pipes (e) Cement (Cem II or Cem IV)	
	Advancement of South African Companies	80/20 preference points system
1.	Level 1 and 100% black owned	16
2.	Level 2 and at least 51% black owned	12
3.	Level 3 and at least 35% black owned	2
4.	Below Level 3	0

Note: to qualify for the specific goal points (20), bidders shall submit with their bids the following evidence.

c) **Evidence required:**

- i. To qualify for **Designated Sectors** points, The bidder shall submit with the Bid documents a completed annexure C, D & E and an exemption letter from the DTIC.
- ii. To qualify for the **Advancement of SA Companies** points, The Bidder shall submit with the Bid documents the BEE certificate (BBBEE certificate issued by a SANAS accredited verification agency), CIPC BBBEE certificate and or completed BBBEE Sworn affidavit as a proof of compliance to claim preference points. If the Bidder is an unincorporated Joint Venture (JV) or Consortium, the Bidder shall submit with the Bid, a consolidated proof of B-BBEE status.

4.5 CIDB Annexures

The bidders shall take note and where applicable, submit with the bid documents the CIDB annexures for “standard for uniformity in engineering and construction works contract”. The following are applicable:

- Annex A: Standard Tender Notice and Invitation to Tender
- Annex B: Form of Offer and Acceptance
- Annex C: Standard Conditions of Tender
- Annex F: Record of Addenda to Tender Documents
- Annex G: Compulsory Enterprise Questionnaire

4.6 Special Requirements

4.6.1 Black Equity Ownership

This special requirement will be negotiated with the preferred bidder and the bidder will not be disqualified.

- a) Minimum Black Equity Ownership of 35%: The Bidder shall at least have a 35% Black Equity Ownership.
- b) The bidder shall either submit a valid BEE Certificate (BBBEE certificate issued by SANAS accredited verification agency), CIPC BBBEE certificate or a completed BBBEE Sworn Affidavit as proof of compliance.
- c) Note for Joint Ventures: If the bidder is a Joint Venture (JV) or Consortium, the bidder shall submit with the bid, a consolidated proof of B-BBEE status.
- d) If the preferred bidder does not have a minimum of 35% Black Equity Ownership (BEO), Armscor will negotiate with the preferred bidder where they will commit to an equity they will meet and provide a transformation plan which will be monitored.

4.6.2 Qualifications of installers

The requirements listed below will be triggered prior to tender award and the successful bidder shall ensure that all the required documents are submitted to the committee or project team members within **ten (10) working days** from the initial request, of which failure to do so shall result in awarding the tender to the second highest bidder in terms of the PPS points.

The successful bidder shall supply resource(s) capable of performing installations for each discipline and the resources must be qualified, registered with relevant bodies, and are authorized to issue a certificate of compliance (COC). The following shall be supplied:

a) General Building:

#	<u>General Building Works</u>	
4.6.2. (a)	<u>Discipline:</u> General Building	<u>Requirement:</u> The successful bidder shall supply a resource(s) with valid qualifications at an artisanal level, capable of conducting plumbing installations and issuing COCs.
	<u>Sub-disciplines:</u> (a) Plumbing, drainage and wet fire protection systems	<u>Compliance Evidence:</u> <i>The successful bidder shall provide:</i> a) Minimum N3 certificate in plumbing or equivalent b) Red seal trade certificate c) PIRB registration certificate

b) Mechanical

#	<u>Mechanical Works</u>	
4.6.2. (b)	<u>Discipline:</u> Mechanical Engineering	<u>Requirement:</u> The successful bidder shall supply a resource(s) with valid qualifications at an artisanal or technician level, capable of conducting mechanical installations and issuing COCs.
	<u>Sub-disciplines:</u> (a) HVAC (b) Gas supply (c) Fire sprinkler system.	<u>Compliance Evidence:</u> <i>The successful bidder shall provide:</i> a) Minimum N3 certificate in refrigeration mechanic or equivalent b) Red seal trade certificate c) SAQCC registration certificate

d) **Electrical**

#	<u>Electrical Works</u>	
4.6.2. (c)	<u>Discipline:</u> Electrical Engineering	<u>Requirement:</u> The successful bidder shall supply a resource(s) with valid qualifications at an artisanal level, capable of conducting electrical installations and issuing COCs.
	<u>Sub-discipline:</u> (a) Electrical Installations	<u>Compliance Evidence:</u> <i>The successful bidder shall provide:</i> a) Minimum N3 certificate in electrical b) Red seal trade test certificate c) Wiremen license (yellow card)

4.6.3 Qualifications of professionals approving drawings and/or designs

The successful bidder shall supply resources capable of approving drawings for relevant disciplines and the resource(s) must be qualified and registered with relevant bodies. These approvals by professionals are for the purpose of registering the building plans with the local municipality and post-installation sign-offs (i.e., as-built drawings). The following shall be supplied:

a) **Building Plans**

#	<u>Building Plans (i.e., alterations to existing plan)</u>	
4.6.3. (a)	<u>Discipline:</u> a) Architecture	<u>Requirement:</u> The successful bidder shall supply a resource(s) with valid qualifications at a professional level, qualified to approve architectural drawings.
	<u>Sub-disciplines:</u> (a) Architectural Designs	<u>Compliance Evidence:</u> <i>The successful bidder shall provide:</i> a) Minimum BAS or BTech certificate in Architectural Studies b) SACAP registration certificate

b) Mechanical and Electrical Drawings

#	<u>Mechanical and Electrical Drawings</u>	
4.6.3. (b)	<u>Disciplines:</u> a) Mechanical and Electrical Engineering	<u>Requirement:</u> The successful bidder shall supply a resource(s) with valid qualifications at a professional level, qualified to approve Mechanical and Electrical drawings.
	<u>Sub-disciplines:</u> (a) Mechanical and Electrical Designs	<u>Compliance Evidence:</u> <i>The successful bidder shall provide:</i> a) Minimum BEng / BSc certificate in Mechanical or Electrical Engineering b) ECSA Pr. Registration certificate

4.7 Additional Conditions

In addition to Armscor's General Conditions of Contract: A-STD-0020, the successful bidder shall comply with conditions specified in:

- a) A-STD-61 Part 3: Contract Conditions, Technical, Standard for Non-complex Programmes Applicable to clause 2 of A-STD-0020.
- b) JBCC Principal Building Agreement Edition 5.0- July 2007
- c) User Requirement Specification, as specified in Annexure A

5 REQUIREMENT STATEMENT

5.1 Introduction

This section provides the necessary information on the Specification for this contract.

5.2 Purpose

The purpose of this Request for Bid is to appoint a Contractor (s) to provide construction and procurement services to transform a workshop into a canteen at Armscor Dockyard. The services include construction material and catering equipment purchase, supply, delivery, installation, and commissioning of a canteen and its installed infrastructure at Armscor Dockyard, as set out in in paragraph 5.4 of this document.

5.3 Background

Approximately 500 people work in the Dockyard, and there are a further 1000 at the South African Navy (SAN). The Dockyard also employs a sizable number of contractors, both internal and external, and hosts daily additional visitors. The Dockyard has a small, non-seated canteen that offers limited menu options and frequently has trouble keeping up with the daily demand from staff members, contractors, and other stakeholders. In an effort to maintain and modernise its infrastructure and to ensure that their employees have the necessary resources to execute their duties, the Armscor Dockyard has conducted preliminary studies to determine the feasibility of converting a workshop into a canteen or a catering facility. It is therefore desired to convert a workshop into a seated canteen capable of meeting daily breakfast and lunch demand and that also offer a diverse menu option accommodating all dietary, religious and ethnic groups (vegetarian, African cuisine, halaal, etc.). The services required for this tender are those that relate to construction material and catering equipment purchase, supply, delivery, installation, and commissioning of a canteen and its installed infrastructure at Armscor Dockyard.

5.4 User Requirement Specifications

See Attached **ANNEXURE A – USER REQUIREMENT SPECIFICATION: PROVISION OF CONSTRUCTION AND PROCUREMENT SERVICES TO TRANSFORM A WORKSHOP INTO A CANTEEN AT ARMSCOR DOCKYARD.**

5.4.1 Main Requirements

The canteen must be constructed at the Simon's Town Dockyard facility, situated within the SA Navy base. The requirement is for the main contractor to complete all tasks as per the specifications in Annexure A and as listed in the BOQ annexures D, E and F. All tasks will be managed through a works authorization process (WA) after the order is awarded. The main requirements shall cover the following:

- a) Building alteration plan approvals (i.e., architect and local municipality)
- b) Building works
- c) Electrical works

- d) Mechanical works
- e) Testing and commissioning (including training of client personnel)
- f) As-built drawings sign-offs
- g) Compliance to client processes, order conditions and local regulations and/or standards.
- h) Certificates of Conformance (COC) sign-offs
- i) Supporting documentations (manuals, maintenance schedules, warranties, etc.)
- j) Post-installation authority inspections (i.e., Environmental health inspector, fire inspectors, etc.)

5.4.2 Work Authorization

- a) Work execution shall proceed on Works Authorisation (WA) basis. A formal and logical work methodology shall be employed to accurately quantify the costs of the work authorization.
- b) The contractor shall provide a minimum of six (6) distinct and detailed work packages with tasks grouped based on their similarities and sequence (i.e., procurement of catering equipment or HVAC installations, etc.). The work package shall be provided with estimated resource, hardware, costs and schedule requirements amongst others.
- c) The contractor shall ensure that the work package covers all line items on the BOQ and the user requirements specification. This will ensure that the entire scope is effectively managed and completed. Work packages and/or tasks shall be activated on signing of a work authorization form.
- d) The individual work packages will be assigned work authorization and the completed package through authorisation can be claimed for payment after all deliverables have been achieved. This strategy allows for the contractor to claim portions of the total contract value.
- e) An approved works authorization will be treated as a fixed cost deliverable unless a deviation process is required or the need to access contingency funds arise through a separately signed and approved work authorization.
- f) A budget plan shall be prepared to track and monitor performance against cash flow.

5.5 Conditions of Acceptance

- a) Inspection/Release/Acceptance Certificate (AK-FORM-0047) issued, signed and stamped by a representative of Armscor Dockyard Quality department.
- b) Payment will only be made once the Inspection/Release/Acceptance Certificate (AK-FORM-0047) is signed and stamped by Armscor QA representative.
- c) The contractor shall send an invoice claiming payment for a single or all work packages and/or work authorizations.
- d) For **construction works**, all work packages submitted for payment shall only be accepted

after successful testing, commissioning and staff training, submission of operational and maintenance manuals, COCs, warranties, as-built drawings, 24 months costed service plan and local authority compliance certificates (i.e., fire, health, building occupancy inspections).

- e) The client is willing to pay partial if the contractor wishes to complete the drawings, costed service plan and local authority compliance certificates at a later stage but will retain 30% (thirty percent) of the total work package value up until such time that the work package is completed.
- f) For **procurement of catering equipment**, all work packages submitted for payment shall only be accepted after successful installation, testing, commissioning and staff training, submission of operational and maintenance manuals, COCs (where applicable) and warranties.
- g) Where necessary, the documentation submitted for payment shall include works authorized through accessing the contingency funds and/or completing the order deviation form.
- h) Order deviation form is completed by the contractor when a specific line item changed during execution phase, where the work conducted does not reflect what is written on the line item for technical reasons. This if not completed may affect order administration (i.e., costs and line description) resulting in the assigned Quality representative reluctant to sign the work package for payment.
- i) **Important note:** The project management representatives of the client and the contractor remains liable to making sure that everyone benefits as much as possible from the project.

5.6 Duration

All works as specified in the BOQ and URS shall be completed no later than **four (4) months** from date of receipt of order. The contractor shall communicate on time to the client, plans to work overtime and this shall be done at the contractor costs as the total contract value is fixed, including the contingency sum.

5.7 Supplementary Information

- a) All costs related to travel, subsistence allowances and accommodation shall be expected to be covered in preliminaries and general costs, **Annexure D**.
- b) All costs related to establishing a site office, facilities and other related requirements essential during the construction phase shall be expected to be covered in preliminaries and general costs, **Annexure D**.
- c) The contractor shall attend bi-weekly progress meetings to report on progress and milestones against plan. The progress meetings will be chaired by Armscor Project Manager and minutes will be recorded.

ANNEXTURE A:

USER REQUIREMENT SPECIFICATIONS (URS)

**Provision of Construction and Procurement Services to Transform a Workshop into a
Canteen at Armscor Dockyard**

RFB NUMBER: ARMD/2023/21

USER REQUIREMENT SPECIFICATIONS (URS)

**PROVISION OF CONSTRUCTION AND PROCUREMENT SERVICES TO
TRANSFORM A WORKSHOP INTO A CANTEEN AT ARMSCOR DOCKYARD.**

SUMMARY: THIS DOCUMENT CONTAINS REQUIREMENTS FOR THE SERVICES RELATED TO CONSTRUCTION MATERIALS AND CATERING EQUIPMENT PURCHASE, SUPPLY, DELIVERY, INSTALLATION, AND COMMISSIONING OF A CANTEEN AND ITS INSTALLED INFRASTRUCTURE AT ARMSCOR DOCKYARD.

DATE OF ISSUE: May 2024

APPROVAL PAGE

COMPILED BY:



14/06/2024

MR K. MADITSI

DATE

PROJECT MANAGER

SHEQ DIVISION

ARMSCOR DOCKYARD

APPROVED BY:



14/06/2024

MR F. SITHOLE

DATE

PROJECT LEAD / DIVISIONAL MANAGER

ENGINEERING SERVICES DIVISION

ARMSCOR DOCKYARD

AMENDMENT HISTORY

Doc Issue	Date	Amendments	Doc change proposal No.	CM Conformance	
				Name	Initials
001	June 2023	First Issue	Non-applicable	Maditsi	K
002	August 2023	Amendment	DOC-v002	Maditsi	K
003	September 2023	Amendment	DOC-v003	Maditsi	K
004	May 2024	Amendment	DOC-c004	Maditsi	K

MAIN TECHNICAL MEMBERS

No.	Name and Surname	Designation	Role
1	Mr. Mpotseng Maja	Quality Engineering Representative	Technical support (Mechanical)
2	Mr. Karabo Masingi	Quality Engineering Representative	Technical support (Mechanical)
3	Mr. Nkosinathi Khumalo	Quality Engineering Representative	Technical support (Electrical)
4	Ms. Ngeletshedzo Nyambeni	NDT Section Manager	Technical support (Engineering)
6	Mr. Bhongo Mzizi	Senior Technician	Technical support (Engineering)
7	Mr. Matlhatse Peecha	Engineer in Training	Technical support (Engineering)

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CHAPTER 1:

INTRODUCTION

1. INTRODUCTION

1.1. Purpose

The purpose of this document is to establish the user requirements for the provision of construction services to transform a workshop into a canteen. The services relate to construction material and catering equipment purchase, supply, delivery, installation, and commissioning of a canteen and its installed infrastructure at Armscor Dockyard.

1.2. Background

Founded in 1968, the Armaments Corporation of South Africa (Armscor) is a state-owned procurement and acquisition agency for the Department of Defence (DOD). As the third-line maintenance and refitting authority for the South African Navy (SAN), Armscor Dockyard manages and operates the Naval Dockyard. It carries out activities like planned, preventative, and corrective maintenance, reconstructions, and repairs, as well as upgrades and modernization of the Navy's ships (submarines, frigates, minehunters, tugs, IPVs, and support vessels).

1.2.1. Preamble

Approximately 500 people work in the Dockyard, and there are a further 1000 at the SAN. The Dockyard also employs a sizable number of contractors, both internal and external, and hosts daily additional visitors. The Dockyard has a small, non-seated canteen that offers limited menu options and frequently has trouble keeping up with the daily demand from staff members, contractors, and other stakeholders. In an effort to maintain and modernise its infrastructure and to ensure that their employees have the necessary resources to execute their duties, the Armscor Dockyard has conducted pre-liminary studies to determine the feasibility of converting a workshop into a canteen or a catering facility. It is therefore desired to convert a workshop into a seated canteen capable of meeting daily breakfast and lunch demand and that also offer a diverse menu option accommodating all dietary, religious and ethnic groups (vegetarian, African cuisine, halaal, etc.). The services required for this tender are those that relate to construction material and catering equipment purchase, supply, delivery, installation, and commissioning of a canteen and its installed infrastructure at Armscor Dockyard.

1.2.2. Canteen Design Criteria

1.2.2.1. Facility Requirements

The facility will not be constructed from the foundation level and will therefore utilise the workshop on the ground floor of the NDS building (5 storey) to be partially or fully converted (depending on the design feasibility) into a canteen. The sections of the facility will be detailed under the Canteen Floor-Plan Design.

1.2.2.2. Employee Food Demand

The Dockyard has over 1500 people, and the facility will have to cater for approximately 25% (375) of the total number of employees daily.

1.2.2.3. Operational Hours

The canteen service will only be available during normal working hours, Monday to Thursday (07h30–16h30) and Friday (07h30 – 13h00), or on special requests.

1.2.2.4. Catering Requirements

The canteen must offer diverse menu options accommodating all dietary, religious and ethnic groups (vegetarian, halal, African cuisine, etc.) and shall deliver the following catering services:

- Breakfast
- Lunch
- Meetings
- Work events/functions

1.2.2.5. Food Ordering and Delivery System

There will be four (4) possible ways in which food can be ordered and delivered to the employee/customer:

- **Over the counter and sit in:** The employees will order from the canteen counter from the available daily menu options, after which food is dished on a plate after processing payment. The employees will have their meals in the canteen dining area after the transaction.
- **Over the counter takeaway:** The employees will order from the canteen counter from the available daily menu options, after which food is dished out in a takeaway container

after processing payment. A unique reference number must be provided to a customer or employee. The employees will have their meals elsewhere after the transaction.

- **Online Order:** The employees will order online using WhatsApp or related Apps using the available daily menu options. A unique reference number must be provided to a customer or employee. The employee will collect their food from the canteen counter, plated or in a takeaway container after processing the payment. The employees will have their meals in the dining area if plated, or elsewhere if takeaway after the transaction.
- **Telephonic Order:** The employees will order telephonically using telephone/cellphone from the available daily menu options. A unique reference number must be provided to a customer or employee. The employees will collect their food from the canteen counter, plated or in a takeaway container after processing the payment. The employees will have their meals in the dining area if plated, or elsewhere if takeaway after the transaction.

1.2.2.6. Number of Catering Staff

The facility shall have the following number of employees, to be confirmed with the catering Contractor but not limited to:

- 1x facility manager
- 3x counter cashiers
- 3x kitchen staff
- 2x general workers

1.2.2.7. Table Clearance Method

The employees after eating can leave the crockery or dishes on the dish trolley or they can leave them on the table. The catering staff will do the clearing.

1.2.2.8. Food Waste Disposal System

The disposal of all food waste will adopt Armscor waste management procedures. The disposal of soft waste will be in accordance with the waste management system regulations of the local government. Soft waste disposal is to be in conjunction with the facility's main drainage system. Due to insufficient information pertaining to the quantities of food waste to be

generated by the catering facility, the size of the bin storage area could not be determined at this point, and thus the number of bin collections to be made weekly is unknown. This will be determined at a later stage after consultation with the catering company. The location of the storage area is however identified

1.2.2.9. Existing Facilities to be Utilized

The following facilities will and/or may be utilized by both the employees and catering staff:

- Workshop to be converted into a canteen
- The two (2) toilets adjoining the workshop
- Armscor refuse area

1.2.2.10. Existing Equipment/Infrastructure to be Utilized

The following equipment/infrastructure exists in the workshop to be converted and may be utilized by the catering facility during the construction and operational phases:

- Electrical Distribution Box (DB) – 115/220/400V
- Fire suppression systems
- Water lines
- Lights
- Concrete ceiling
- Windows
- Entrance Doors
- HVAC ducting

Note that the equipment/infrastructure may need to be maintained, changed and/or altered to fit the requirements of the new design of the catering facility.

1.2.2.11. Pulsed Metering for Gas, Electricity and Water

A separate metering station for gas, electricity and water will be required for the catering facility separate from the rest of the building. This is to quantify the energy consumption and is in accordance with the standard, ISO: 50001 for energy management system.

1.2.3. Canteen Floor Plan Design

The enlarged main floor plan can be found in **Annexure G: Supporting Annexures** of the RFB document.

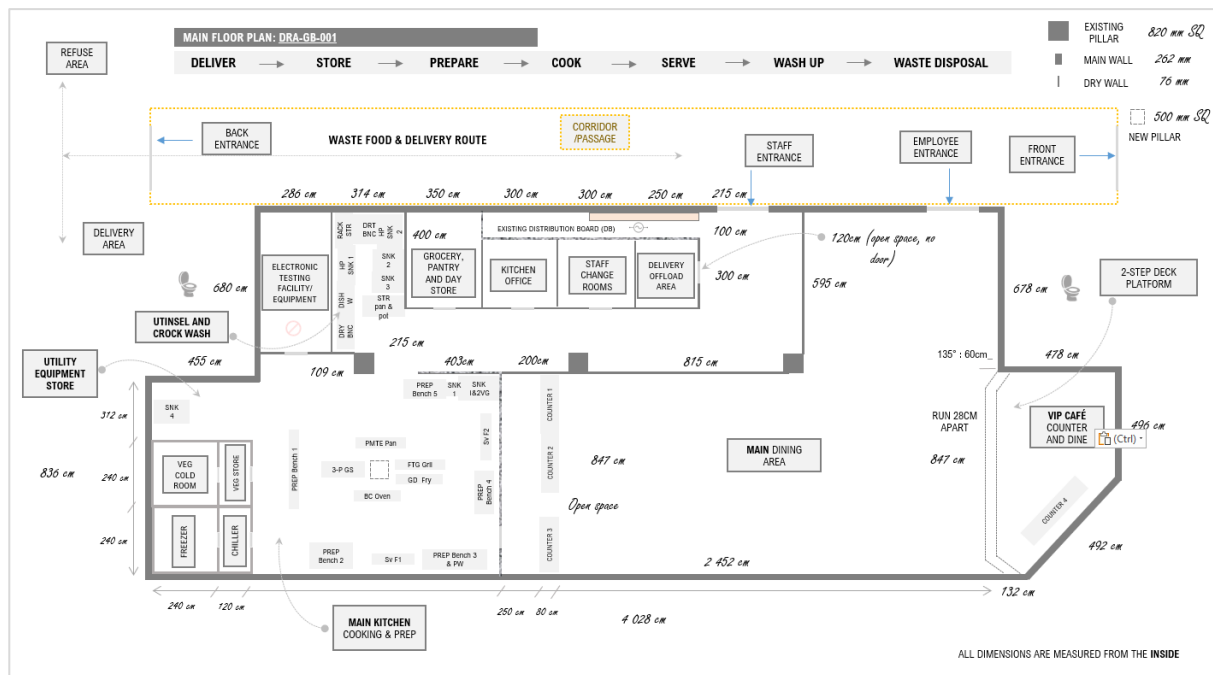


Figure 1: Canteen design

The design follows a linear workflow pattern to mitigate cross contamination and the pattern in operational order is as follows:

- Deliver
- Store
- Prepare
- Cook
- Serve
- Wash up
- Waste Disposal

The catering Contractor will advise on their operational requirements and changes may be made to this design. Sections of the catering areas as outlined in Figure 1 are not limited to the following:

- Main kitchen
- Vegetable cold room
- Vegetable store room
- Meat freezer room
- Meat chiller room
- Vegetable preparation area

- Meat preparation area
- Pastry preparation area
- Utensil and crock wash
- Delivery offload area
- Staff change rooms
- Kitchen office
- Grocery, pantry, and day store
- Main dining area
- Main canteen shop and counter area
- VIP café counter and dining area
- Utility equipment store
- Delivery area
- Refuse area

1.3. Document Chapters

This user requirement specification (URS) is divided into three (3) main chapters for ease of reference, namely:

- Chapter 1: Introduction
- Chapter 2: Abbreviations, Acronyms, Definitions and Documents
- Chapter 3: Requirements

CHAPTER 2:

ABBREVIATION, ACRONYMS, DEFINITIONS

AND DOCUMENTS

2. ABBREVIATIONS, ACRONYMS, DEFINITIONS AND DOCUMENTS

2.1. Abbreviations and Acronyms

ARMSCOR	Armaments Corporation of South Africa
SAN	South African Navy
HVAC	Heating Ventilation and Air Conditioning
DOD	Department of Defense
DB	Distribution Box
OHSE	Occupational Health and Safety Act
SLA	Service Level Agreement
IPV	In-shore Patrol Vessel
BBE	Black Economic Empowerment
PPS	Preference Point System
QCP	Quality Control Plan
HVAC	Heating Ventilation and Air Conditioning
CoC	Certificate of Conformity/Compliance
DB	Distribution Board
PVC	Polyvinyl Chloride
BEMS	Building Energy Management System
SANS	South African National Standards
PC	Personal Computer
VIP	Very Important Person
URS	User Requirement Specifications
PIRB	Plumbing Board Registration Board
LPG	Liquefied Petroleum Gas
SAQCC Gas	South African Qualification and Certification Committee for Gas
SHEQ	Safety, Health, Environment and Quality
ECB (SA)	Electrical Conformance Board of South Africa
NHBRC	National Home Builders Registration Council
BSP	British Standard Pipe
OHSE	Occupational Health and Safety Act
SLA	Service Level Agreement

O&M	Operating and Maintenance
CIPC	Companies and Intellectual Property Commission
SANAS	South African National Accreditation System
URS	User Requirements Specifications
RFB	Request for Bids
OEM	Original Equipment Manufacturer
PU	Polyurethane
HIBU	Hi Build
MDF	Medium-density fibre
OTT	Over-the-top
ACP	Aluminium Composite Panel
KLPH	Kilo Litre per Hour
IP	Ingress Protection
WA	Work Authorisation
SQ	Square
BTU	British thermal unit
VGA	Video Graphics Array
VESA	Video Electronics Standards Association
CIDB	Construction Industry Development Board
GB	General Building
ME	Mechanical Engineering
JV	Joint Venture
JBCC	Joint Building Construction Committee
GB	General Building
ME	Mechanical Engineering
ASIB	Automatic Sprinkler Inspection Bureau
SAIFP	South African Inspectorate for Fire Protection

"	Inch
Ø	Diameter
°	Degree
%	Percentage
°C	Degree Celsius
mm	Millimetre
m	Metre
um	Micro metre
cm	Centimetre
m ²	Square metre
m ³	Cubic metre
W	Watt
V	Volt
A	Amp
L	Litre
Kg	Kilogram
BTU	British Thermal Unit
HP	Horse Power

2.2. Definitions

Armcor/Employer/Client: The company/organisation which contracted the Contractors to carry out the services listed in the URS.

Supplier/Contractor/Contractor: The company contracted by the Employer to carry out the services listed in the URS.

Armcor Project Manager (APM): An employee of Armcor formally appointed to oversee the project from inception to completion.

Bidders: The potential Contractors responding to a Request for Bid (RFB) from the Employer.

Canteen/Catering Facility: The facility and its associated equipment in which the Employer contracts the Contractor to build and/or transform.

Canteen Management Contractor: The Contractor contracted by the Employer to offer catering and canteen management services for a period of three (3) years.

2.3. Reference Documents

The following documents are referenced in the contents of this document. The documents can be forwarded to bidders upon request. Other special and/or section specific regulations and standards are mentioned in the applicable sections of this document.

No	Document No	Title
1	REF-001	Design and Maintenance Guide 18: Design of Catering Facilities
2	AA-GUID-1014	Critical Criteria Guide
3	PPPFA regulations of 2022	Preferential Procurement Regulations, 2022
4	Act 5 of 2000	Preferential Procurement Policy Framework Act (PPPFA) No.5
5	Annexure D	Armscor BOQ: Construction – Preliminaries and Generals
6	Annexure E	Armscor BOQ: Construction – Main works
7	Annexure F	Armscor BOQ: Catering Equipment
8	Act 52 of 2003	Broad-Based Black Economic Empowerment Act
9	Act 38 of 2003	Construction Industry Development Board Act
10	AK-PRAC-11032	Safety Health and Environmental Contractor Management Practice.
11	SANS / ISO standards	All other relevant standards referenced in applicable sections.
12	JBCC 2007	JBCC Principal Building Agreement Edition 5.0- July 2007

2.4. Applicable Documents

The following general documents and those referenced in the contents of this document are applicable to this RFB. Armscor documents are available on the website and can be found using the document number. The documents can be forwarded to the bidders upon request.

No	Document No	Title
1	A-STD-0020	Armscor General Conditions of Contract: Issue 005, 22 June 2022
2	A-STD-61 Part 3	Contract Conditions, Technical, Standard for Non-complex Programmes Applicable to clause 2 of A-STD-0020.
3	Act 38 of 2000	Construction Industry Development Board Act
4	JBCC 2007	JBCC Principal Building Agreement Edition 5.0- July 2007
5	A-PRAC-4011	Transformation Practice
6	A-PRAC-9053	Supplier Sourcing Procedure
7	A-DCO-9045	Terms of Reference for Bid Evaluation Committee
8	A-STD-0010	Rules Applicable to Prospective Contractors, Issue 2, 21 April 2014
9	AB-PROC-8038	Procedure for Rendering a Business Purchases Service for Armscor
10	A - PRAC - 1015	Matériel Procurement Practice
11	SANS / ISO standards	All other relevant standards applicable to various sections.

CHAPTER 3:

Requirements

3. REQUIREMENTS

A. INTRODUCTION

1. PREAMBLE

This section describes the comprehensive requirements for the provision of construction services to transform a workshop into a canteen. The services relate to material and equipment purchase, supply, delivery, installation, and commissioning of a canteen and its installed infrastructure at Armscor Dockyard. The services shall be executed in accordance with the provided drawings, user requirement specifications (URS), relevant SANS standards together with statutory and regulatory requirements to the client satisfaction. The duration of the service is in accordance with the longevity of the construction phase, after which the client's minimum 12-month warranty period will apply and no further services will be required from the appointed contractor.

2. GENERAL DESCRIPTION OF WORKS

- a) To provide qualified personnel and logistics (transport, temporary facilities, etc.) to manage and perform daily tasks as per the URS.
- b) To provide tools and equipment (including crane hire, if necessary) required by the personnel to carry out work to the satisfaction of the employer and that conforms to both local and international standards.
- c) To adhere to the general terms and conditions listed herein and in other related tender documentation pack.
- d) Perform risk assessments on all activities being carried out and adhere to Armscor Dockyard SHE contractor Management Practice, document number AK-PRAC-11032 that will be made available to the supplier during the procurement process.
- e) Maintain a safe and hygienic working environment and culture.

- f) To provide site establishment and de-establishment works, general building, mechanical and electrical works.
- g) To demonstrate excellent workmanship whilst carrying out all activities listed on the URS.
- h) To procure all required construction materials and catering equipment.
- i) To provide commissioning and testing services for the equipment and systems after completion of all works according to the scope.
- j) To issue Certificates of Conformance (CoC) for all relevant installations as per the requirement of the local regulations.
- k) To issue relevant drawings and other supporting documentation (operating manuals, etc.)

B. GENERAL BUILDING

1. WALL PARTITIONS AND FINISHES

1.1. DRYWALL WALL PARTITION SYSTEM

1.1.1. Important considerations

- a) Internal walls throughout the catering facility shall be of solid construction.
- b) Finishes to the walls shall be washable, impervious, non-toxic materials. The finish must be easy to maintain, clean and disinfect.
- c) Walls must be protected from damage occurring from the use of mobile equipment.
- d) Drywall partition system shall be installed referencing the manufacturer's guidelines.
- e) All exposed corners shall be fitted with stainless steel or high impact resistant PVC protection to the full height of the wall.

1.1.2. Scope

The contractor shall prepare the floor for the installation of the "Rhino-Drywall" partition system. The system shall be friction fitted or pop-riveted to the top and bottom tracks and covered with wallboard screwed to studding with "Drywall" screws at maximum 220mm centres. The boards shall be butt jointed and finished with "Rhino" tape and "Ready-mix D" jointing compound all in accordance with the manufacturer's guidelines. The base of the entire system shall be protected from external forces using uPVC or polymer skirting. The wall shall be plastered and finished with a suitable primer and the corresponding interior paint.

The contractor shall supply, install, and handover to the client, a complete installation of the "Rhino-Drywall" partition system as per the following specifications:

Studs and tracks

Top and bottom tracks: 63.5mm galvanised steel

Vertical studs: 63.5mm galvanised steel at maximum 600mm centres

Wall

Wall type: Light partition

Wall board material: Gypsum plasterboard

Wall board thickness: 12.5mm

Wall total thickness: 65-150mm (including insulation and coatings)

Wall height: To the full length of the building height (340cm)

Plastering and interior paint

Plaster material: Gyproc Rhino-Lite or similar approved material

Paint finish: The paint is specified in a separate section.

Wall corner guards

Material: Stainless steel or Aluminium

Application: To the full length of the exposed corners.

Wall skirting

Description: SK90 polymer skirting or similar approved

Material: uPVC / Polymer

Height: 90mm

Width or thickness: less than 20mm

Colour: white

Accessories: inside and outside corners, ends and straight connectors.

Application locations

The "Rhino-Drywall" partition system shall be installed as per the Engineer's drawing referenced on the wall and pillar identification drawing. The applicable areas for this installation shall cover wall 15-17, 19, 20, 22, 25, 26, 29, 30, and 32-36.

Standard

The installation shall be in accordance with SANS 10400 requirements.

References

For further clarity, the contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 02, Bill 04

1.2. BRICK WALL PARTITION

1.2.1. Important considerations

- a) The brick wall partitions are constructed on areas prone to fire such as the main kitchen and the distribution box.
- b) Several types of bricks may be used but consideration shall be taken in terms of fire protection properties.
- c) The bricks shall be plastered and finished with a suitable top layer.
- d) The contractors shall take note of the excavation required for the sub-foundation of the partitions.

1.2.2. Scope

The contractor shall prepare the foundation floor for the installation of the "NFX brick wall" partition system. The system shall be completely fixed to the ground foundation suitable for a single brick wall, usually 400mm wide. The system shall utilize masonry cement complying with SANS 50413 class MC 22.5X or MC 12.5 when mixing mortar for bricklaying. The base of the entire system shall be protected from external forces using either stainless steel or PVC. The wall shall be plastered using a 1:5 cement sand plaster and finished with a suitable primer and the corresponding interior paint.

The contractor shall supply, install, and handover to the client, a complete installation of the "NFX brick wall" partition system as per the following specifications:

Wall

Wall type: Solid partition

Wall material: NFX brick

Brick dimensions: 222x106x73mm

Wall total thickness: less than 150mm (including plaster and coatings)

Wall height: To the full length of the building height (340cm)

Plastering and interior paint

Plaster material: Mortar

Mixing ratio: 1:5 cement sand on brickwork to receive good finish

Paint finish: The paint is specified in a separate section.

Wall corner guards

Material: Stainless steel or Aluminium

Application: To the full length of the exposed corners.

Wall skirting

Description: SK90 polymer skirting or similar approved

Material: uPVC / Polymer

Height: 90mm

Width or thickness: less than 20mm

Colour: white

Accessories: inside and outside corners, ends and straight connectors.

Application locations

The "NFX brick-wall" partition system shall be installed as per the Engineer's drawing referenced on the wall and pillar identification drawing. The applicable areas for this installation shall cover wall 7, 8, 23, 24, 28, and 31.

Standard

The installation shall be in accordance with SANS 10400 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 02, Bill 02.

1.3. POLYURETHANE AND PVC WALLS

1.3.1. Important considerations

- a) This requirement is for the purchase and installation of off-the-shelf cold and freezer rooms for meat and vegetable storage.
- b) The sections are divided into four compartments namely, vegetable cold room interconnected with vegetable store and freezer room interconnected with a chiller room.

- c) The rooms shall be made of materials capable of withholding or withstanding heat transfer between walls to retain the required room temperatures.
- d) The contractor shall either buy the units from the shelf, request for installation from the OEM or accredited agent or build the rooms themselves utilising the required specifications.
- e) This section is costed and specified further under the Annexure F: **Arm Scor BOQ -Catering Equipment.**

1.3.2. Scope

The contractor shall supply, install, and handover to the client, a complete installation and fully functional meat and vegetable freezer and cold room system partition as per the following specifications:

Meat freezer room

Temperature: -18°C

Dimensions: 2.4 x 2.4 x 2.4m

Insulation: 80mm thick injected Polyurethane

Wall/Roof Panels: Chromadek 80mm injected Polyurethane

Floor: 80mm Polyurethane (Chromadek + Plywood + Galvanised)

Other: Pressure release valve

Condenser Unit Complete: 800mm x 505mm x 400mm

Blower Coil: 1380mm x 570mm x 480mm

Includes all angles & strips

Wall finish paint: pure white

Meat chiller room

Temperature: 3°C

Dimensions: 2.4 x 1.2 x 2.4m

Insulation: 60mm injected Polyurethane

Wall/Roof Panels: Chromadek 60mm injected Polyurethane

Condenser Unit Complete: 490mm x 750mm x 405mm

Blower Coil: 820mm x 570mm x 480mm H

Includes all angles & strips

Wall finish paint: pure white

Vegetable cold room

Dimensions: 2.4 x 2.4 x 2.4m

Insulation: 60mm thick injected Polyurethane

Wall/Roof Panels: Chromadek 60mm injected Polyurethane

Condenser Unit Complete: 800mm x 505mm x 400mm

Blower Coil: 1380mm x 570mm x 480mm

Includes all angles & strip

Wall finish paint: pure white

Vegetable storage room

Temperature: non-refrigerated room

Dimensions: 2.4 x 1.2 x 2.4m

Insulation: 60mm injected Polyurethane

Wall/Roof Panels: Chromadek 60mm injected Polyurethane

Wall finish paint: pure white

This room is not refrigerated, it receives its cool temperature from the vegetable cold room through the process of heat transfer made possible by an open door between the two units.

Application locations

The meat and vegetable freezer and cold room system shall be installed as per the Engineer's drawing referenced on the wall and pillar identification drawing. The applicable areas for this installation shall cover wall 10 as a complete system.

Standard

The installation shall be in accordance with SANS 10400, SANS 347 and SANS 1125 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-001 and Annexure F: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 04, Bill 1.1-1.3.

2. DECK PLATFORM AND BRICK PIER PILLAR

2.1. DECK PLATFORM

2.1.1. Important considerations

- a) The deck platform or a double step platform shall be constructed to separate the VIP café from the main dining area without necessarily putting a barrier between the two sections. It is by design that stepping on the platform would allude that the customer has stepped on the VIP section.
- b) The platform shall be constructed from the brick, mortar and concrete system capable of withstanding concentrated and uniformly distributed loads without deforming.
- c) The platform shall be plastered and finished with non-slip tile material with a luxurious look.

2.1.2. Scope

The contractor shall prepare the foundation floor for the construction of the "NFP brick" double deck platform. The system shall be completely fixed to the ground foundation and

shall utilize masonry cement complying with SANS 50413 class MC 22.5X or MC 12.5 when mixing mortar for bricklaying. The surface shall be plastered in preparation for applying the porcelain tile finish. The corners of the entire system shall be protected from external forces using either stainless steel or aluminium corner guards.

The contractor shall supply, install, and handover to the client, a complete installation of the double deck platform system as per the following specifications:

Runs and risers

Riser (height): less than 120mm

Run (width): 280mm

No of risers: 2

No of runs: 1

Platform

Brick type: NFP or similar approved

Mortar class: Class II

Bricklaying method: stretcher bonds or pier hollow section, concrete filled.

Application area: 40m²

Platform shape pattern: diagonal, straight and diagonal

Diagonal angle: 135° from the vertical plane

Total platform height: less than 250mm

Finish

Material: Porcelain tiles

Size: 600x1200mm or 600x600mm

Finish: Polished

Colour: Pure white

Corner guards: Stainless steel or aluminium

Application locations

The deck platform will be applied on the VIP café area as per the Engineer's drawings referenced on the main floor plan.

Standard

The installation shall be in accordance with SANS 10400 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 02, Bill 02.

2.2. BRICK PIER PILLAR

2.2.1. Important considerations

- a) The pillar constructed is not to support the overhead weight but for fixing the gas pipeline connections and electrical supply for the main kitchen equipment.
- b) The brick pier is constructed on an area prone to fire such as the main kitchen, and thus consideration may be taken in terms of using a brick with fire protection properties.
- c) The bricks shall be plastered and finished with suitable coatings specified in another section.
- d) The contractors shall take note of the excavation required for the sub-foundation of the brick piers.

2.2.2. Scope

The contractor shall prepare the foundation floor for the installation of the brick pier pillar. The system shall be completely fixed to the ground foundation and shall be laid in stretcher bonds. The system shall utilize masonry cement complying with SANS 50413 class MC 22.5X or MC 12.5 when mixing mortar for bricklaying. The base of the entire system shall be protected from external forces using either stainless steel or PVC. The wall shall be plastered using a 1:5 cement sand plaster and finished with a suitable primer and the corresponding interior paint.

The contractor shall supply, install, and handover to the client, a complete installation of brick pier pillar as per the following specifications:

Wall

Wall type: Solid pier

Wall material: NFP or similar approved

Brick dimensions: 220x100x70mm or similar approved

Wall dimensions: 500x500mm

Wall height: 340cm

Plastering and interior paint

Plaster material: Mortar

Mixing ratio: 1:5 cement sand on brickwork to receive good finish

Paint finish: The paint is specified in a separate section.

Wall corner guards

Material: Stainless steel or Aluminium

Application: To the full length of the exposed corners.

Wall skirting

Description: SK90 polymer skirting or similar approved

Material: uPVC / Polymer

Height: 90mm

Width or thickness: less than 20mm

Colour: white

Accessories: inside and outside corners, ends and straight connectors.

Splashback: 1000mm stainless steel splashback applied all round, from the height of the cooking equipment.

Application locations

The brick pier pillar shall be installed as per the Engineer's drawing referenced on the wall and pillar identification drawing. The applicable areas for this installation shall cover pillar 4 (P4).

Standard

The installation shall be in accordance with SANS 10400 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 02, Bill 02.

3. CANTEEN COUNTERS AND CABINETS

3.1. MAIN CANTEEN

3.1.1. Important considerations

- a) The canteen counters, cabinets, and wooden shelving shall be custom-made and made from materials whose surfaces can be easily cleaned and the countertop resistant to heat, cracking and breaking.
- b) The entire installation shall be durable and must be able to withstand both concentrated and distributed loads.
- f) The countersunk heated display unit and countersunk refrigerated display unit specifications are given under Annexure F: **Armscor BOQ -Catering Equipment**.

3.1.2. Scope

The contractor shall prepare the floor for the installation of the VIP counters and overhead cabinets. The system shall be completely fixed to the floor and shall be made up of various materials including wood, stainless steel, marble, LED, etc. The counters shall be aesthetically perfect, and recommendations of different designs and textures are welcomed and shall be revised and negotiated with the contractor.

The contractor shall supply, install, commission, and provide the client, with a completely functional installation of the three (3) custom main counters as per the following specifications:

Countertop left

Dimensions: 2300x1100x900mm

Thickness: 30mm

Material: Marble or similar approved

Colour/finish: White

Overlap: by 300mm in front

Heated display unit countersunk: cut out a 900x470mm hollow rectangular section to accommodate the heated display unit. The unit must flush with the counter surface and should be sealed for better aesthetics.

Countertop middle

Dimensions: 2300x1100x900mm

Thickness: 30mm

Material: Marble or similar approved

Colour/finish: White

Overlap: by 300mm in front

Countertop right

Dimensions: 2300x1100x900mm

Thickness: 30mm

Material: Marble or similar approved

Colour/finish: White

Overlap: by 300mm in front

Refrigerated display unit countersunk: cut out a 900x470mm hollow rectangular section to accommodate the refrigerated display unit. The unit must flush with the counter surface and should be sealed for better aesthetics.

Body

Dimensions: 2300x800x900mm

Material: Solid wood/ Plywood/ MDF

Coating and/or finish: Melamine, Shale Oak

Design type: straight /uniform

Skirting: stainless steel or aluminum skirting on the base of the counter (all round)

Front Features/accessories: wooden slats over the 2300x900mm area, fitted with an LED (cool white) strip illuminating downwards.

The counter cabinets should have provision for storage of catering items for the canteen staff (i.e., dividers, shelves, etc.)

Standard

The installation shall be in accordance with SANS 10400 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 02, Bill 06.

3.2. VIP CAFÉ

3.2.1. Important considerations

- a) The counters, cabinets, and wooden shelving shall be custom-made and made from materials whose surfaces can be easily cleaned and the countertop resistant to heat, cracking and breaking.
- b) The entire installation shall be durable and must be able to withstand both concentrated and distributed loads.
- c) The built-in stainless steel bar sink and a mixer tap specifications are given under the Annexure F: **Armscor BOQ -Catering Equipment**.

3.2.2. Scope

The contractor shall prepare the deck platform and the walls for the installation of the VIP counters and overhead cabinets. The system shall be completely fixed to the wall and the platform and shall be made up of various materials including wood, stainless steel, marble, LED, etc. The counters shall be aesthetically perfect, and recommendations of different designs and textures are welcomed and shall be revised and negotiated with the contractor.

The contractor shall supply, install, commission, and provide the client, with a completely functional installation of the VIP café counters and cabinets as per the following specifications:

Countertop

Dimensions: 3200x900x1100mm

Thickness: 30mm

Material: Marble or similar approved

Colour/finish: White

Overlap: by 300mm in front

Body

Dimensions: 3200x600x1100mm

Material: Solid wood/ Plywood/ MDF

Coating and/or finish: Melamine, Shale Oak

Design type: straight /uniform

Skirting: stainless steel or aluminum skirting on the base of the counter (all round)

Front Features/accessories: wooden slats over the 3200x1100mm area, fitted with an LED (cool white) strip illuminating downwards.

The counter cabinets should have provision for storage of catering items for the canteen staff (i.e., dividers, shelves, etc.)

Built-in Bar Sink and a Mixer Tap

Dimensions: 300x400x180mm bowl

Material: Stainless steel

Mixer type: ECO kitchen mixer

Wall-mounted Cabinets

Cabinet top: Marble or similar approved, white finish

Dimensions: 2000x600x900mm

Compartments: 4 (no handle design doors)

Material: Solid wood/ Plywood/ MDF

Coating and/or finish: Melamine, Shale Oak

Wall-mounted overhead shelves

Dimensions: 2000mm length & 600mm width

No of shelves: 2

Material: Solid wood/ Plywood/ MDF

Coating and/or finish: Melamine, Shale Oak

Standard

The installation shall be in accordance with SANS 10400 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 02, Bill 06.

4. CEILING

4.1. SUSPENDED WOOD SLAT BAFFLE CEILING

4.1.1. Important considerations

- a) Ceiling and overhead structures shall be designed, constructed, and finished in such a way that it will prevent the accumulation of dirt, reduce condensation and mould formation.
- b) The ceiling materials used must be non-combustible and provide a smooth, impervious hygienic surface that is easily cleaned and maintained.
- c) Features such as smoke detectors, lights and fire sprinklers nozzles must be able to protrude from or flush with the ceiling surface.

4.1.2. Scope

The contractor shall install the appropriate ceiling fixing structure to the concrete ceiling wall and install the ceiling panels onto the fixing structure. The ceiling panels shall be modified by means of cutting out material to allow for protrusion of downlights, pendant lights, smoke detectors and fire sprinkler nozzles.

The contractor shall supply, install, and handover to the client, a complete installation of suspended wooden slats ceiling as per the following specifications:

Main canteen counters:

Ceiling Panels

Material: MDF (veneer surface)

Colour: Classic Oak (black felt)

Thickness: 10 – 22mm

Suspension allowance: less than 400mm

Ceiling shape: Rectangle

Application area: 8470x3400mm (29m²)

Fixing Method

Standard suspended ceiling system incorporating the ceiling mounting tracks.

Other alternative ceiling mounting methods are welcomed.

Application location

The suspended wood slat ceiling shall be installed as per the Engineer's drawing referenced on the ceiling and integrated LED downlights drawing. The applicable areas for this installation shall cover area 1 (A1).

Standard

The installation shall be in accordance with SANS 10400 requirements.

References

The contractor shall refer to Annexure G: Supporting Drawings with specific reference to DRA-GB-003 and Annexure D: BOQ Construction with specific reference to Section ##, Bill ##.

VIP café area

Ceiling Panels

Material: MDF (veneer surface)

Colour: Classic Oak (black felt)

Thickness: 10 – 22mm

Suspension allowance: less than 400mm

Ceiling shape: Square and triangle

Application area: 8460x4870mm (35m² triangle shape included)

Max Length: 6280mm

Fixing Method

Standard suspended ceiling system incorporating the ceiling mounting tracks.

Other alternative ceiling mounting methods are welcomed.

Application location

The suspended wood slat ceiling shall be installed as per the Engineer's drawing referenced on the ceiling and integrated LED downlights drawing. The applicable areas for this installation shall cover area 4 (A4).

Standard

The installation shall be in accordance with SANS 10400 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-003 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 02, Bill 04.

4.2. SUSPENDED CEILING CLOUD

4.2.1. Important considerations

- a) Ceiling and overhead structures shall be designed, constructed, and finished in such a way that it will prevent the accumulation of dirt, reduce condensation and mould formation.
- b) The ceiling materials used must be non-combustible and provide a smooth, impervious hygienic surface that is easily cleaned and maintained.
- c) Features such as smoke detectors, lights and fire sprinklers nozzles must be able to protrude from or flush with the ceiling surface.

4.2.2. Scope

The contractor shall install the appropriate ceiling fixing structure to the concrete ceiling usually metal strings for the suspended ceiling cloud and install the ceiling panels onto the fixing structure. The ceiling panels shall be modified by means of cutting out material to allow for protrusion of downlights, pendant lights, smoke detectors and fire sprinkler nozzles. The white ceiling cloud panels shall be ten (10) and the pear green shall be four (4) with a total of fourteen (14) panels suspended from the metal strings.

The contractor shall supply, install, and handover to the client, a complete installation of suspended ceiling cloud as per the following specifications:

Ceiling Panels

Material: PVC/ fiberglass/ mineral fiber

Dimensions: 600x600mm

Thickness: 15mm

Shape: Hexagon

Colour: White and pear green

Suspension allowance: less than 400mm

Application area: 380x140cm (5.5m²)

Fixing Method

Metal strings or anchors fixed to the cement ceiling wall.

Other alternative ceiling mounting methods are welcomed.

Application location

The suspended ceiling cloud shall be installed as per the Engineer's drawing referenced on the ceiling and integrated LED downlights drawing. The applicable areas for this installation shall cover area 2 (A2) and area 3 (A3).

Standard

The installation shall be in accordance with SANS 10400 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-003 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 02, Bill 04.

5. PLUMBING AND DRAINAGE

5.1. COLD AND HOT WATER SUPPLY

5.1.1. Important considerations

- a) An adequate supply of clean cold and hot potable water is required in the facility and must meet the local regulations of the water supply authority.
- b) All visible supply services together with associated joint connections, supports and quick-disconnect units shall be of chromium-plated or stainless steel. It is recommended that sinks and other related units to be used in the main kitchen must be made from a stainless-steel material.
- c) The facility to be converted into a canteen has two separate toilets and therefore, consideration may be made to tap into the main line for additional piping/plumbing work.
- d) No additional toilets will be built together with the canteen.

5.1.2. Scope

The contractor shall modify the existing plumbing system to accommodate the cold and hot water supply to the single bowl sinks, triple bowls sinks, built in bar sink and the commercial dishwasher. The installation shall include preparation to lay down the pipes, interconnection

with existing water supply, geyser installation including electrical termination, connection of pipes and sheet metal covers and all accessories required to ensure a fully functional system.

The contractor shall supply, install, and handover to the client, a complete installation of plumbing system including the procurement of the stainless-steel preparation sinks and the connecting pipework with installation accessories as per the following specifications:

Piping system

Cold and hot water supply to:

Commercial dishwasher

SNK 1 and SNK 1&2VG (first triple preparation sink forged bowl 2300x650x900mm)

SNK 2, SNK 3 and HP SNK2 (second triple preparation sink forged bowl 2300x650x900mm)

HP SNK 1 (first single preparation sink forged bowl 1700x650x900mm)

SNK 4 (second single preparation sink forged bowl 1700x650x900mm)

Built in bar sink 300x400x180mm

Piping components and accessories:

Sink mixer walls x 6

Overhead pre-rinse spray with mixer taps x2

PVC white pipes

PVC plain bends

PVC socket reducers

PVC Y junctions

PVC UG pipes

Trap sink combo double.

Elbows

Pressure valves.

Angle valves (dishwasher)

Copper tubes

Geyser

Capacity: 350L
Material: Steel
Pressure: 600Kpa
2mm steel inner cylinder
Conformance: SANS 10254

Flow meter

Pulse output
Cold water: $\leq 50^{\circ}\text{C}$: 16 bar
Hot water: $\leq 90^{\circ}\text{C}$: 10 bar,
Flow Rate: 7 kLPH (max)

Standard

The installation shall be in accordance with SANS 10400, SANS 10254 and SANS 1689 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 02, Bill 10.

5.2. DRAINAGE

5.2.1. Important considerations

- a) Drainage is required within several areas of the kitchen to allow for effective wash-down. Floors shall be laid level except where they are required to fall into a drainage gully.
- b) The facility to be converted into a canteen has two separate toilets and therefore, consideration may be made to tap into the main line for additional piping/plumbing work.

5.2.2. Scope

The contractor shall modify the existing plumbing and waste or drainage system to accommodate for the drainage from the gullies, single bowl sinks, triple bowls sinks, built in

bar sink and the commercial dishwasher. The installation shall include preparation to lay down the waste pipes and the drainage gullies, interconnection with existing wastewater piping system to ensure a fully functional system.

The contractor shall supply, install, and handover to the client, a complete installation of drainage system as per the following specifications:

Piping system

Drainage and/or waste pipelines and fittings from the:

Commercial dishwasher

SNK 1 and SNK 1&2VG (first triple preparation sink forged bowl 2300x650x900mm)

SNK 2, SNK 3 and HP SNK2 (second triple preparation sink forged bowl 2300x650x900mm)

HP SNK 1 (first single preparation sink forged bowl 1700x650x900mm)

SNK 4 (second single preparation sink forged bowl 1700x650x900mm)

Built in bar sink

Floor and underground gullies x4

Standard

The installation shall be in accordance with SANS 10400 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 02, Bill 10.

6. FLOOR AND FLOOR FINISHES

6.1. FLOORING

6.1.1. Important considerations

- a) Floors need to have properties that allow them to provide a slip resistant surface even when wet, to prevent exposure of any person at risk to their safety, and be easy to maintain, clean and disinfect.
- b) Materials are to be impervious, non-absorbent, washable, and non-toxic. It is recommended to use Polyurethane resin system and Epoxy.
- c) The contractor shall consult and demonstrate a sample of the final mixing ratio of the epoxy-flake system to the client prior to application on the floor.

6.1.2. Scope

The contractor shall remove the existing carpets or laminate on the floor and prepare the floor (including grinding, cleaning and sealing) for the application of several coats of polyurethane-epoxy flake system. Install multi epoxy primer and two coats polyurethane sealer 350-500mic per coat and install the epoxy solvent base to surface for coating with flakes and finish with clear coating.

The contractor shall supply, install, and handover to the client, a complete installation of polyurethane-epoxy flake flooring system as per the following specifications:

Polyurethane-epoxy flake system

Floor grinding and sealing

Polyurethane resin system

Epoxy HIBU:

Colour: N43 pipeline grey

Flake: Basalt or similar approved appearance

Final clear coating with slip resistant properties

Application location

The Polyurethane-epoxy flake system shall be installed as per the Engineer's drawing referenced on the main floor plan. The applicable area for this installation shall cover all areas except for the deck platform in the VIP café.

Standard

The installation shall be in accordance with SANS 10400 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 02, Bill 10.

7. STAINLESS STEEL SHELVING AND SPLASHBACK

7.1. STAINLESS STEEL SHELVING

7.1.1. Important considerations

- a) The overhead shelving in the kitchen area shall be made from of a stainless-steel material. This is because shelving will act as an additional storage area for the stainless-steel preparation benches.
- b) The shelving shall be installed at a suitable height from the preparation benches, under bar service fridges and preparation bowl sinks.

7.1.2. Scope

The contractor shall supply, install, and handover to the client, a complete installation of the stainless-steel shelving as per the following specifications:

Overhead wall shelving

Dimensions: 600x300mm

Material: stainless steel

Quantity: 18

Installation accessories

Application location

The stainless-steel shelving shall be installed as per the Engineer's drawing referenced on the wall and pillar identification codes. The applicable areas for this installation shall cover wall 7 (W7), wall 8 (W8) and wall 9 (W9).

Standard

The installation shall be in accordance with SANS 10400 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-001 & DRA-GB-002 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 02, Bill 07.

7.2. SPLASHBACK

7.2.1. Important considerations

- a) Finishes to the walls shall be washable, impervious, non-toxic materials. The finish must be easy to maintain, clean and disinfect.
- b) Walls shall be protected from the use of the cooking catering equipment.
- c) The splashback shall be installed between the preparation benches and the stainless-steel shelving.

7.2.2. Scope

The contractor shall supply, install, and handover to the client, a complete installation of the splashback as per the following specifications:

Splashback

Description: Silver Birch white matt ceramic wall tiles

Tile material: Ceramic or similar approved

Size: 400x250mm or bigger

Installation accessories: Tile adhesive, grout and spacers

Main kitchen

Splash-back height: up to the tip of the stainless-steel shelving (estimated at 600mm)
Length (run): estimated at 21m

Utensil and crock wash

Splash-back height: 300mm adjoining the sink build-in splash-backs.
Length (run): estimated at 13m

VIP café

Splash-back height: up to the tip of the overhead cabinets (estimated at 600mm)
Length (run): 5m

Application location

The splashback shall be installed as per the Engineer's drawing referenced on the wall and pillar identification codes. The applicable areas for this installation shall cover wall 7-9, 11, 13-16, and wall 5.

Standard

The installation shall be in accordance with SANS 10400 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-001 & DRA-GB-002 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 02, Bill 07.

8. DOORS

8.1. DOORS AND FINISHES

8.1.1. Important considerations

- a) Doors shall be of robust construction with properties that allow them to withstand heavy usage, and the surface shall be smooth, easy to clean.
- b) In areas where there is extensive movement of heavy trolleys, consideration shall be given to installing additional stainless-steel protection in the doors and the door frames.

8.1.2. Scope

The contractor shall supply, install, and handover to the client, a complete installation of the doors as per the following specifications:

Doors and accessories

On new doors:

Description: Interior door Miami x 5

Dimensions: 813mm x 2032mm

Colour: Primed white

Door frame: Steel or aluminium x5

Door locks

On new doors:

Curved stainless-steel lever handle on rose with 2 lever lock x 5

On existing two entrance double doors:

"Yale" keyless push button door lock x 2

Doorstops

Description: Non-collision magnetic door stops x 9

Dimensions: 3mm thickness

Material: Stainless steel

Fixing method: floor mounted

Door base protection

Description: Door protection x 5

Material: Stainless steel

Width: 813mm both sides

Height: 300mm both sides

Standard

The installation shall be in accordance with SANS 10400 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 02, Bill 05 & 06.

9. PAINTWORK AND OTHER FINISHES

9.1. NEW WORKS

9.1.1. Important considerations

- a) Finishes to the walls shall be washable, impervious, non-toxic materials. The finish must be easy to maintain, clean and disinfect.
- b) The walls and surfaces shall be prepared by means of scraping off paint defects and debris, cleaning and filling in the cracks and gaps, smoothing using a sand paper or similar material prior to application of paint and other finishes.
- c) Consideration shall be taken to use the paint material and other finishes suitable for mortar plaster, Gyproc Rhino-Lite plaster, metallic and wooden surfaces.

9.1.2. Scope

The contractor shall supply, install, and handover to the client, a complete wall and other surface finishes as per the following specifications.

Super acrylic PVA paint: White

Description: Super acrylic PVA paint or similar approved

Paint type: Flat (non-glossy)

Colour: White

Coats: 1 universal undercoat and 2 coats of super acrylic PVA paint

Walls (both sides): Wall 8, 15-17, 19, 20, 22-26 and 28-33.

Walls (kitchen side): Wall 7 and 34-36

Pillar (all sides): Pillar 4

Super acrylic PVA paint: Pear green

Description: Super acrylic PVA paint or similar approved

Paint type: Flat (non-glossy)

Colour: Pear green

Coats: 1 universal undercoat and 2 coats of super acrylic PVA paint

Walls (main dining side): Wall 34-36

Wallpaper 10318-14

Description: 10318-14 evolution carrara

Material: Marble effect

Roll: 0.53m x 10.05m

Pattern repeat: 64/32cm offset match

Wall (main dining side): Wall 3-5

Wallpaper 1210-5

Description: 1210-5 Octagon textured faux concrete

Material: Vinyl

Roll: 1.06m x 10m

Pattern repeat: 64cm

Pattern match; straight

Wall (main dining side): Wall 7

Standard

The installation shall be in accordance with SANS 10400 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-001 & DRA-GB-002 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 02, Bill 08.

9.2. EXISTING WORKS

9.2.1. Scope

The contractor shall supply, install, and handover to the client, a complete wall and other surface finishes as per the following specifications.

Super acrylic PVA paint: White

Description: Super acrylic PVA paint or similar approved

Paint type: Flat (non-glossy)

Colour: White

Coats: 1 universal undercoat and 1 coat of super acrylic PVA paint

Wall (kitchen side): Wall 9, 11-14, 18, 21 and 27

Wall (main dining side): Wall 1, 2 and 6

Pillar (kitchen side): Pillar 1-3

Other surfaces: Door frames and metallic cable trunking/conduits

Super acrylic PVA paint: Pear green

Description: Super acrylic PVA paint or similar approved

Paint type: Flat (non-glossy)

Colour: Pear green

Coats: 1 universal undercoat and 2 coats of super acrylic PVA paint

Pillar (main dining side): Pillar 1 and 2

Acrylic paint: Anthracite grey

Description: metal acrylic paint or similar approved

Paint type: Flat (non-glossy)

Colour: Anthracite grey

Coats: 1 universal undercoat and 2 coats of acrylic paint

Aluminium window frames x28

Height: 1300mm

Width: 80mm

Average Thickness: 55mm

Standard

The installation shall be in accordance with SANS 10400 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-001 & DRA-GB-002 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 02, Bill 08.

10. INFORMATION SIGNAGE

10.1. SIGNAGES

10.1.1. Important considerations

- a) The information signage shall be made, printed or manufactured from the specified material.
- b) The signage shall come with relevant installation accessories which can be easily fitted by the appointed contractors.
- c) The signage shall be installed as per the manufacturer's instructions.

10.1.2. Scope

The contractor shall supply, install, and handover to the client, a complete custom information signages and 3D acrylic LED illuminated letters as per the following specifications.

Custom 3D Acrylic LED illuminated letters 8mm

Letter thickness: 8mm

Letter height: 100mm

Letter colour: Black
LED temperature: Cool light
Illumination: Edge lit

ACP panel
Dimensions: 1000x250mm
Colour: brushed ACP
Thickness: less than 8mm

Fixing method

Two metal strings suspended from the ceiling attached to the ACP. Complete installation including wiring and connection to the power supply.

Custom information signage

Printed text: Black

Panel: ACP brushed silver
Maximum width: 150mm
Maximum length: Text dependent

The individual signage shall have the below text:

CANTEEN STAFF ONLY x 2

CANTEEN ENTRANCE

CANTEEN STAFF AND DELIVERY ENTRANCE

MAIN KITCHEN

VIP CAFÉ

KITCHEN OFFICE

STAFF CHANGE ROOM

FOOD STORE

DELIVERY OFFLOAD AREA

UTILITY EQUIPMENT STORE

UTINSEL AND CROCKWASH

Standard

The installation shall be in accordance with SANS 10400 and SANS 10254 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference to DRA-GB-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 02, Bill 09.

C. MECHANICAL WORKS

1. FIRE PROTECTION

1.1. FIRE SPRINKLER SYSTEM

1.1.1. Important considerations

- a) It is recommended that the new fire suppression system to be installed considering the new design of the facility and where in the facility it is required.
- b) The materials, sizes and coating of the additional fire sprinkler system shall match the existing fire sprinkler system as shown on the Engineer's drawing.
- c) The pipelines and the nozzles shall protrude in ceiling fixtures and wall partitions.
- d) This requirement is for the alteration to the existing system to match the current design.

1.1.2. Scope

The contractor shall modify the existing fire sprinkler system to accommodate the new wall partitions to ensure that each partitioned section have provision for adequate fire suppressant during an emergency.

The contractor shall supply, install, and handover to the client, a complete altered fire sprinkler system as per the following specifications.

Pipe

Diameter: 40mm

Material: Galvanized steel

Working pressure: 0.1 – 0.25Mpa

Connections: Threaded

Medium: Water

Coating: Heavy epoxy coating system

Coating thickness: 450um – 550um

Surface colour: Red

Fittings

Material: Galvanized

Connections: Threaded

Coating: Heavy epoxy coating system, red

Products: Straight tees, reducing tees, unions, clamp (loop hanger), etc.

Sprinkler / Nozzle

Type: Automatic spraying, 68 degrees, drooping type

Material: Stainless steel / brass

Connection: Threaded

Standard

The installation shall be in accordance with SANS 10400, SANS 10252 and SANS 1689 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference DRA-GB-001 & DRA-ME-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 03, Bill 02.

1.2. FIRE HOSE REEL

1.2.1. Important considerations

- a) The fire hose reel shall receive water from the main underground pipeline and shall be placed in a suitable location for ease of access and control during an emergency.

1.2.2. Scope

The contractor shall supply, install, and handover to the client, a complete fire hose reel as per the following specifications:

Fire hose reel

30m plastic hose

Chromium plated stopcock
Shut off nozzle
Wall bracket

Standard

The installation shall be in accordance with SANS 10400 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference DRA-ME-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 03, Bill 01.

1.3. FIRE EXTINGUISHERS

1.3.1. Important considerations

- a) The fire extinguishers shall be classified and put into sections applicable for that specific extinguisher and its corresponding fire class.
- b) The fire extinguisher shall be supplied as a complete set including the installation accessories and signages.

1.3.2. Scope

The contractor shall supply, install, and handover to the client, a complete and fully functional fire extinguishers as per the following specifications:

Dry chemicals, Type 2

Cylinder: 9kg
Application: Flammable liquids, electrical fires
Quantity: 3

Foam

Cylinder: 9L
Application: Wood, paper, flammable liquids
Quantity: 3

Carbon Dioxide

Cylinder: 9kg

Application: Wood, paper, flammable liquids

Quantity: 2

Wet chemicals

Cylinder: 9L

Application: Cooking oils, fats

Quantity: 2

Accessories

Painted backing boards: Chevron, 680mm

Bracket: J wall brackets

Fire signages

Standard

The installation shall be in accordance with SANS 10400

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference DRA-ME-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 03, Bill 01.

2. GAS SUPPLY

2.1. GAS SUPPLY EQUIPMENT AND PIPING

2.1.1. Important considerations

- a) Consideration should be given to provide an interlock of the gas supply and mechanical ventilation system that will shut off the gas supply in the event of air movement failure.

- b) Gas supply pipes shall be kept as short as possible and concealed within a service spine or ceiling void. Where exposed, they shall be painted with acrylic non-chip ochre yellow paint.
- c) Main cooking equipment requiring gas connections shall be fitted with flexible final service connections and quick disconnect valves. These and associated safety devices shall comply with the relevant regulations.
- d) The gas hose shall be finished with a permanently bonded PVC heat resistant dipping coating. The quick disconnect valve shall be brass, push-to-connect operation with a flat face finish. Isolators shall be easily accessible, sited in a safe location to the user.
- e) Electricity, gas, and water consumption in the catering facility shall be separately metered from any other consumption within the building. Consumption shall be measured via a digitally pulsed meter with an interface unit and 30-minute recording facility linked to the BEMS.
- f) If possible, the system shall be linked to software on the PC located in the kitchen office and capable of inter-facing with the BEMS.

2.1.2. Scope

The contractor shall construct the LPG cylinder housing outside of the catering facility and drill the wall for access to the kitchen to allow gas supply utilising the specified pipelines and fittings. The supply pipeline shall utilise the constructed pillar (P4) coming down to the gas appliances connected by a quick disconnect gas hoses.

The contractor shall supply, install, and handover to the client, a complete and fully functional gas supply system as per the following specifications:

Cylinder chamber

Size: 1500x450x1300mm (maximum permissible)

Material: Mild or stainless steel and/or brick construction

Access doors: Lockable, with padlock

Finish: Dual coat matt on steel

Wall mounted
Weather resistant / protection

4x Cylinders

Capacity: 48kg
Standard gas cylinder valves: 5/8" BSP (nominal)
Pressure tested (test certificate to be provided)
Filled with LPG

Automatic change-over regulator system

Stage: Double
Minimum output pressure: 2.5kPa
Maximum pressure: 37 bar

Accessories:

Pressure gauge
Pig tails (flexible connections)
Non-return valve

Piping System

Piping Type: Rigid
Operating pressure: less than 10kPa
Material: Copper or stainless steel
Compression fittings (tees, elbows, studs, unions, etc.)
Emergency shut-off valve – main pipeline.

Ultrasonic smart gas meter

Maximum pressure: 50kPa
Flowrate: 0.016 – 6m³/h
Working temperature: -25°C to 55°C
Working fluid: LPG
Connections: compatible with main piping system

Standard pulse output gas meter may be utilized, provided that they incorporate a smart converter device, but the smart meter is preferred.

4x Mobile Gas Connector Hose Kit - Connections to Appliances

Type: Quick disconnect

Coating: Yellow PVC

Length: 72"

Diameter: 3/4"

Max pressure: 0.35 bar

Full port isolation valve and elbow

Restraining device

Standard

The installation shall be in accordance with SANS 10400, 10087, 10252, 10019, 1539, 1156, 199, and 349 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference DRA-GB-001 & DRA-ME-002 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 03, Bill 04.

3. HVAC SYSTEM

3.1. EXTRACTOR CANOPIES

3.1.1. Important considerations

- a) Ventilation and air conditioning should incorporate a number of features, including the capture of steam, smoke, fumes, and odours; grease extraction and disposal; fire protection; reduction of toxic gas levels (carbon monoxide); and maintaining the right air quality and temperature.

- b) There must be suitable and sufficient means of mechanical or natural ventilation to ensure that heat and humidity do not build up to levels that could compromise food safety and human comfort.
- c) Mechanical airflow must not be from a contaminated area to a clean area. Construction or design shall be such that filters and other parts requiring cleaning or maintenance are easily accessible and wherever possible, located outside the food preparation area.
- d) Due to the proximity of the catering facilities to the surrounding structures, the external outlets from the extraction system shall be located in such a way that cooking smells, noise, etc., shall not cause a nuisance.
- e) In cases where the ventilated ceiling is not viable, feasible or not recommended, an extraction canopy shall be fitted to provide dedicated extraction to main cooking equipment in the kitchen, the dishwasher in the utensil and crock wash.
- f) It is recommended that extraction canopies be of a box construction, manufactured from 304-grade stainless steel or similar materials with the same mechanical properties. Additionally, they should be suitably braced, stiffened to prevent distortion, with welded and polished joints.
- g) Ductwork to the canopies shall be designed to provide an even extraction of air across the length of the canopy.
- h) Canopies installed over dishwashers, sterilizing sinks and water boilers shall be fitted with an adequate-air handling unit to ensure efficient removal of water vapour and to prevent condensation to the surrounding area.
- i) Grease filters shall be fitted to the full length of the canopy for installation over the cooking equipment. All fittings shall be easily removable for cleaning without the use of special tools. It is recommended that all components be of a stainless-steel construction.

3.1.2. Scope

The contractor to install the v-bank extractor canopies over the kitchen cooking equipment area, mounted to the cement ceiling or supported by the constructed pillar (P4). The contractor shall install another extraction canopy over the industrial pass-through dishwasher. The extractor canopies shall come as a complete unit including all ducting and its accessories.

The contractor shall supply, install, and handover to the client, a complete and fully functional kitchen extractor canopies as per the following specifications:

Extractor canopy

Type: V bank

Material: Stainless steel

Dimensions: 4000x2400x600mm

Division: 2 modules of 2000x1200x600mm

Features: Grease cups, 12xfilters and 4xlight

Safety: Integrated fire suppression system

Ducting and accessories:

600x600 ducts

600X600 90° bends

600X600 45° bends

600x600-710Ø square to round

710 Ø silencer

710 3.0kw 4P 380v axial fan

710Ø blow off

Include a V-bank extractor canopy for the commercial dishwasher and all the necessary installation accessories.

Installation location: Main kitchen and crock and utensil wash (dishwasher)

Standards

The installation shall be in accordance with SANS 10400, 10087, 10252, 10019, 1539, 1156, 199, and 349 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference DRA-GB-001 & DRA-ME-003 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 03, Bill 03.

3.2. AIR CONDITIONING (AC) UNITS

3.2.1. Important considerations

- a) Ventilation and air conditioning should incorporate a number of features, including the capture of steam, smoke, fumes, and odours; grease extraction and disposal; fire protection; reduction of toxic gas levels (carbon monoxide); and maintaining the right air quality and temperature.
- b) There must be suitable and sufficient means of mechanical or natural ventilation to ensure that heat and humidity do not build up to levels that could compromise food safety and human comfort.
- c) There must be provision to ensure that enclosed areas are ventilated by a sufficient quantity of fresh or purified air. The location and style of air supply ventilation grids, particularly in the main canteen counters, shall be planned to avoid the risk of cool air passing over food, which may result in food being held below temperatures required by the food hygiene regulations.
- d) Mechanical airflow must not be from a contaminated area to a clean area. Construction or design shall be such that filters and other parts requiring cleaning or maintenance are easily accessible and wherever possible, located outside the food preparation area.

3.2.2. Scope

The contractor shall install the split air-conditioning units, Inverter heat pump type, R410 refrigerant, to specification tested and installed. Including all necessary refrigerant, refrigerant, piping, condensate piping, trunking, electrical connections control wiring, HARD WIRED REMOTE CONTROLLER unit, strut brackets, mounting accessories etc., to ensure a fully functioning system.

The contractor shall supply, install, and handover to the client, a complete and fully functional air-conditioning units as per the following specifications:

Split air-conditioning unit 9000BTU

Type: Heat pump

Cooling capacity: 2.64kW

Heating capacity: 2.75kW

Refrigerant: R410A

Indoor unit noise level: 30-39 dB

Outdoor unit noise level: 54 dB

Voltage: 220-240V

Frequency: 50Hz

Phase: 1P

Indoor unit dimensions: 780x270x202mm

Outdoor unit dimensions: 715x482x240mm

Liquid pipe: 1/4"

Gas pipe: 3/8 "

Installation locations: 1x staff change room and 1x kitchen office

Quantity: 2

4-way cassette units 12300BTU (3.6kW)

Type: Heat pump

Refrigerant: R410A

Cooling capacity: 3.6kW

Power input: 25W

Heating capacity: 4kW

Power input: 25W

Air flow rate: 677-982 m³/h

Sound pressure level: 32-42 dB(A)

Voltage: 220-240V

Frequency: 50Hz

Phase: 1P

Indoor unit dimensions: 840x230x840mm

Liquid pipe: Ø6.35mm

Gas pipe: Ø12.7mm

Drain pipe: Ø32mm

Drain pump with 750mm pump head

Installation locations: 1x VIP café

Quantity: 1

4-way cassette units 25000 BTU (7.1kW)

Type: Heat pump

Refrigerant: R410A

Cooling capacity: 7.1kW

Power input: 46W

Heating capacity: 8kW

Power input: 46W

Air flow rate: 748-1200m³/h

Sound pressure level: 34-45 dB(A)

Voltage: 220-240V

Frequency: 50Hz

Phase: 1P

Indoor unit dimensions: 840x230x840mm

Liquid pipe: Ø9.53mm

Gas pipe: Ø15.9mm

Drain pipe: Ø32mm

Installation locations: 3x main dining area, distributed evenly

Quantity: 3

Outdoor unit for 4-way cassette units 22HP

Connectable indoor load (total for the indoor cassette units)

Cooling: 24.9kW

Heating: 28kW

50-130% of outdoor unit capacity

Type: VRF V6 series heat pump

Refrigerant: R410A

Max connectable indoor unit quantity: 36

Cooling capacity: 61.5kW

Power input: 18.4kW

Heating capacity: 61.5kW

Power input: 15kW

Compressor type: DC inverter

Quantity: 2

Fan motor type: DC

Quantity: 2

Air flow rate: 17000 m³/h

Sound pressure level: 63 dB(A)

Voltage: 380-415V

Frequency: 50(60) Hz

Phase: 3P

Dimensions: 1340x1636x825mm

Liquid pipe: Ø19.1mm

Gas pipe: Ø31.8mm

Ambient temperature operating range

Heating: -23 to 24°C

Cooling: -5 to 54°C

Installation locations: outdoor

Quantity: 1

Standards

The installation shall be in accordance with SANS 10400, 10087, 10252, 10019, 1539, 1156, 199, and 349 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference DRA-GB-001 & DRA-ME-003 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 03, Bill 03.

3.3. WALL FANS

3.3.1. Important considerations

a) These fans are required provide ventilation only and are not using the refrigeration cycle.

- b) The fans are normal industrial type wall-mounted and provide ventilation mainly for the kitchen staff and its surroundings.

3.3.2. Scope

The contractor shall supply, install, and handover to the client, a complete installation of the industrial fans as per the following specifications:

Wall fan and accessories

Description: Wall industrial oscillating fan

Blade span: 450mmØ

Material: Metal

Colour: black

Wattage: 4-43W

Speed settings: 6-8

Features and accessories:

Intelligent touch key switch

900mm lead cord

Wall mounts

Quantity: 10

Standard

The installation shall be in accordance with SANS 10400, 10087, 10252, 10019, 1539, 1156, 199, and 349 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference DRA-GB-001 & DRA-ME-003 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 03, Bill 03.

D. ELECTRICAL WORKS

1. Important considerations

- a) All Installations have to consider load requirements and supply limitations in a simple and economic manner ensuring at the same time full protection of human life and facility by fire and also to facilitate easy installation and repair or maintenance.
- b) All electrical installations shall comply with the requirements regulations from the local authority for the purpose of approval and safety.
- c) Each electrically powered appliance shall have its own clearly marked isolation switch identifying the name of the equipment. The isolators should be positioned in such a way that they are clearly visible at all times. Isolators shall be flushed mounted where possible and be permanently labelled with the name of the equipment it services.
- d) It is recommended that sockets and switches in the main kitchen area be made out of impact resistant fascias, preferable stainless steel.
- e) The lighting design shall take account of the kitchen equipment layout and the presence of obstructions that may cast shadows across areas where high risk activities are undertaken.
- f) The installation of lights shall consider using energy saving systems. Light fittings shall be vapour proof in the main kitchen. Surface mounted systems are not recommended, if this is not possible, insulation should be secured enough.
- g) Electricity, gas, and water consumption in the catering facility shall be separately metered from any other consumption within the building. Consumption shall be measured via a digitally pulsed meter with an interface unit and 30-minute recording facility linked to the Building Energy Management System (BEMS). If possible, the system shall be linked to software on the PC located in the kitchen office and capable of inter-facing with the BEMS.

h) The installation is for lights, sockets, isolators, smoke detectors, CCTV cameras and electrical equipment

2. Scope

2.1. ELECTRICAL DISTRIBUTION BOARD

Supply, deliver and install IP55 Mild Steel Enclosures - Double Door (H) x 1100(W) x 205(D) mm (4 x 24 Way DB) next to the existing DB refer to the Electrical Floor Plan. All devices mentioned below shall be connected on the DB. If there is a space on the existing DB some of the devices may be connected on it. All devices shall be SABS approved.

Supply, deliver and install Surge Protection Devices 1 Pole plus Neutral with Indication **(5)** and Surge Protection Devices 3 Pole plus Neutral with Indication **(4)**.

Supply, deliver and install Main switch with adjustable settings, rated for 100 to 800 A, ideal for applications in small to medium sized buildings Molded-case circuit breakers (MCCB), rated from 16 to 630 A, ideal for applications in small to medium-sized buildings. Encapsulated double break roto technique ensures outstanding current limiting capability. High electrical / mechanical endurance for enhanced service life. Single accessory reference for different functions – on/off, trip and fault trip, Separate electrical fault indication for ease of fault diagnosis, Class 2 front face, Locking in off position, Suitable for Isolation, Breaking capacity 25kA to 50kA, $I_{cs} = 100\% I_{cu}$. TMD, MA, Microprocessor trip units (LSOI protection 400 & 630A).

Supply, deliver and install 3 PHASE CIRCUIT BREAKER - 415 Vac, 50 A, 3 kA Curve 3 **(5)** and 3 PHASE Circuit Breaker - 240 Vac, 50 A, 3 kA Curve 3 **(10)**.

Supply, deliver and install Circuit breaker 1Pole 16A 2.5 kA **(4)** and 1Pole 20A 2.5 kA **(4)**.

Supply, deliver and install 1 phase+N earth leakage with overload protection - 240 Vac, 3kA, 30mA, 63A **(6)** and 3 phase+N earth leakage with overload protection - 415 Vac, 6 kA, 30mA, 80A **(2)**.

All devices mentioned above shall be wired accordingly on the DB using appropriate bus-bars and cables. The power supply for New DB shall be connected to the existing main DB. DB shall be labelled accordingly for traceability of electrical circuits. Additional cables for bridging and connection purposes on new DB and existing will be required.

2.2. ISOLATORS

Supply, deliver and install 3P Pole panel mount isolator switch - 40A Maximum Current, 18.5kW Power Rating, IP65 **(4)** with 5 Core Power Cable, 10 mm², 50m Armoured PVC Sheath - 1000, 600V (64A) **(2)**. Appropriate trunking shall be use for electrical wiring, where necessary existing trunking may be utilised.

Supply, deliver and install 3P Pole panel mount isolator switch - 20A Maximum Current, 6.5kW Power Rating, IP65 with 5 Core Power Cable, 10 mm², 30 m Armoured PVC Sheath - 1000, 600V (64A) **(1)**. Appropriate trunking shall be use for electrical wiring, where necessary existing trunking may be utilised.

Supply, deliver and install 1P Pole panel mount isolator switch - 20A Maximum Current, 6.5kW Power Rating, IP65 with 2 Core+E Power Cable, 2.5 mm², 100m, Black CPE Sheath - 30A, 450V, 750V **(2)**. Appropriate trunking shall be use for electrical wiring, where necessary existing trunking may be utilised.

Wiring shall be in PVC conduits pipes and/trunking from DB to isolator, where necessary wiring may be done by utilising existing trunking in the building. Electrical accessories such as glands, PVC couplings, screws, insulation tapes, and wall plug nail in anchor expansion bolt anchor nails, and clamps will be required for electrical wiring or installation. All electrical wiring or installations shall be conducted as per electrical installation drawing.

Standards

The installation shall be in accordance with SANS 10400 and 10142 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference DRA-EL-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 04, Bill 01.

2.3. LIGHTS

Electrical 5ft double LED fitting

Supply, deliver and install 5ft double led fitting diffuser cover **(20)**

Supply, deliver and install T8 5ft double led Tubes **(10)**

Note: Covers and LED tubes are for existing installed light fittings.

LED Downlights

Supply, deliver and install 24W LED ceiling downlight (Aluminum & Polycarbonate, White, Cool white and Diameter: 165mm) × **(15)**, the downlight shall be installed as per ceiling and integrated LED downlight drawing on A1, A2, A3 and A4.

Supply, deliver and install 1 lever switch **(2)** with metal extension box (4x2) × **(2)**. 1 switch shall be used to control LED downlights of A1, A2 and A3 while another switch shall control LED downlights of A4, refer to the ceiling and integrated LED downlight Plainview.

Supply, deliver and install 2 Core+E Power Cable, 1.5 mm², 300 m. Wiring of electrical cables to switches and LED downlights shall be made with PVC conduits pipe 20 mm. Electrical accessories such as glands, PVC couplings, screws, insulation tapes, and wall plug nail in anchor expansion bolt anchor nails, and clamps will be required for electrical wiring or installation. Existing trucking may be used for wiring where necessary.

Pendants Lights

VIP café

Supply, deliver and install archer black and natural wood pendant light (Height: 315mm, Diameter: 100mm and Globe: E27) × **(3)**. Pendants lights shall be installed as electrical installation drawing.

Supply, deliver and install 1 lever switch with metal extension box (4x2) that be used to control Pendants lights.

Supply, deliver and install 2 Core+E Power Cable, 1.5 mm², 150 m. Wiring of electrical cables to switches and Pendants lights shall be made with PVC conduits pipe 20 mm. Electrical accessories such as glands, PVC couplings, screws, insulation tapes, and wall plug nail in anchor expansion bolt anchor nails, and clamps will be required for electrical wiring or installation. Existing trucking may be used for wiring where necessary.

Canteen counters

Supply, deliver and install archer black and natural wood pendant light (Height: 315mm, Diameter: 100mm and Globe: E27) × **(6)**. Pendants lights shall be installed as per electrical installation drawing.

Supply, deliver and install 1 lever switch with metal extension box (4x2) that be used to control Pendants lights.

Supply, deliver and install 2 Core+E Power Cable, 1.5 mm², 150 m. Wiring of electrical cables to switches and Pendants lights shall be made with PVC conduits pipe 20 mm. Electrical accessories such as glands, PVC couplings, screws, insulation tapes, and wall plug nail in anchor expansion bolt anchor nails, and clamps will be required for electrical wiring or installation. Existing trucking may be used for wiring where necessary.

Standards

The installation shall be in accordance with SANS 10400 and 10142 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference DRA-EL-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 04, Bill 03.

2.4. SOCKET OUTLETS

Supply, deliver and install Double switched socket outlet white - 250 Vac, 16 A, IP20 **(18)**, with metal extension box (4x4) **(18)**. The location of the switches should be according to electrical installation plan.

Supply, deliver and install 2 Core+E Power Cable, 2.5 mm², 100m, Black CPE Sheath - 30A, 450V, 750V **(5)**.

Supply, deliver and install PVC conduit pipes 4m 20mm **(25)**.

Wiring shall be in PVC conduits pipes from DB to socket outlets, where necessary wiring may be done by utilising existing trunking in the building. Electrical accessories such as PVC couplings, screws, insulation tapes, and wall plug nail in anchor expansion bolt anchor nails, and clamps will be required for electrical wiring or installation. All electrical wiring or installations shall be conducted as per electrical installation drawing.

Standards

The installation shall be in accordance with SANS 10400 and 10142 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference DRA-EL-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 04, Bill 04.

2.5. SMOKE DETECTORS

Supply, deliver and install safety long-life battery-operated smoke detector **(14)** as per the following specifications:

Features

Long-life battery-operated smoke detector

Long life battery - provides approximately 10 years of functionality

Power Source: DC3V lithium manganese (Battery cannot be replaced)

Manufactured according to EN14604

Alarming Decibel: 85dB/3m

Low battery signal
Push to Test
Hush Feature
Ideal for small commercial applications

Standards

The installation shall be in accordance with SANS 10400 and 10142 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference DRA-EL-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 04, Bill 05.

2.6. CCTV CAMERAS

Supply, deliver and install CCTV kits with 4 cameras, 8 channel with 8 analogue (wired) and 2 digital (Wi-Fi/wireless) channels as per the following specifications:

Features

Live Viewing - View live feed from your camera when connected.

High-Definition Resolution - Crystal clear images with Full HD 1080p resolution.

Specification:

Full HD1080p bullet camera
2MP high-definition resolution
30m enhanced night vision
IP67 rated (weatherproof)
Operating power DC 12V/500mA
18m BNC cable and power adaptor to be included.

Standards

The installation shall be in accordance with SANS 10400 and 10142 requirements.

References

The contractor shall refer to Annexure G: SUPPORTING DRAWINGS with specific reference DRA-EL-001 and Annexure E: Armscor BOQ – CONSTRUCTION MAIN WORKS with specific reference to Section 04, Bill 05.

E. CATERING EQUIPMENT

The catering equipment and its accessories shall be supplied and installed as per the Armscor BOQ: Catering Equipment in **Annexure F**. There are no additional specifications for the items listed in the BOQ.

F. CONDITIONS AND ADDITIONAL REQUIREMENTS OF CONTRACT

1. GENERAL

- a) Should any discrepancy or contradiction between the tender/contract documents and drawings occur, such shall be brought to the notice of the Armscor Project Manager (APM) in writing for a ruling, prior to submitting a Tender.
- b) If the additional conditions listed herein contradicts or are not in alignment with those specified under the relevant clauses in **Annexure D: preliminaries and generals (P&Gs)**, then these conditions shall take precedence to those listed on the BOQ. The appointed contractor may however negotiate with or require clarity from the APM on issues pertaining to contract conditions.
- c) Any changes to the scope shall be negotiated during construction phase and shall be within the allocated budget for this project. Where necessary, the contractor will be required to fill in the Order Deviation Form.
- d) The specification includes, unless otherwise stated, the modification of the catering facility design, procurement, supply, delivery, erection, testing, commissioning, handover, and a 12-month warranty following project acceptance by the Armscor Project Manager or his delegated representative and a representative from the Armscor Quality Department.
- e) Where installation referred to in this tender is a subcontract of the principal contract, the word "Contractor/contractor/supplier" refers to the subcontractor responsible for the installation.
- f) The installation of all catering equipment shall be complete and shall include necessary tools for the proper functioning thereof.
- g) The system and completed installation shall conform to the requirements of the relevant manufacturer's specifications.

- h) Prior to commencement of project activities, the appointed contractor shall present a Quality Control Plan (QCP), safety file according to the client index and method statements for Armscor Dockyard approval.

2. GENERATION OF THE BILL OF QUANTITIES

- a) The Bill of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work (as amended) published and issued by the Association of south Africa Quantity Surveyors (Sixth Edition (revised)), 1999. The corresponding Civil, Mechanical and Electrical works have been drawn in accordance with relevant related standard systems.
- b) The agreement is based on the JBCC Principal Building Agreement Edition 5.0- July 2007. Only headings and clause numbers for which allowance must be made in the BOQ are recited.
- c) The drawings listed in this URS as used in setting up the BOQ is attached (i.e., Annexure G: supporting drawings)
- d) The Bills of Quantities are not intended for the ordering of materials. Any ordering of materials, based on the Bills of Quantities will be at the contractor's risk.
- e) All work is to be constructed using labour-intensive methods. The use of plant to provide such works, other than plant specifically provided for in the scope of works, is a variation order to the contract and will not be certified for payment.

3. CONTRACT

This contract shall be executed based on relevant clauses of the JBCC Principal Building Agreement, Armscor General Conditions of Contract (A-STD-0020), Rules Applicable to Prospective Contractors (A-STD-0010), Contract Conditions, Technical, Standard for Non-complex Programmes (A-STD-61 Part 3) applicable to clause 2 of A-STD-0020 and the conditions listed herein, including special requirements listed in the RFB document.

4. CIDB REQUIREMENTS

Only those bidders who are registered with the CIDB or are capable of being so prior to the evaluation of submissions in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations, for a GB Or ME Class of construction work are eligible to have their tenders evaluated.

Bidders should have a CIDB contractor grading of 4GB or 4ME or higher to be eligible for this tender.

Joint Ventures (JV) are eligible to submit tenders provided that:

- a) Every member of the joint venture is registered with the CIDB.
- b) The lead partner has a contractor grading designation in the GB or ME class of construction work; or not lower than one level below the required grading designation in the class of works construction works under considerations and possess the required recognition status.
- c) The combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a GB or ME class of construction work or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations.

5. STATUTORY AND REGULATORY REQUIREMENTS

The appointed contractor shall ensure that the installation, including all equipment used, is designed, installed, and maintained in accordance with the following standards, acts and the corresponding regulations.

Standard/Act	Description
OHASA (Act No.85 of 1993)	To provide for the health and safety of people at work or in connection with the use of plants and machinery.
Health Act (Act No. 63 of 1977)	The Act provides a framework for a structured uniform health system within the Republic, considering the obligations imposed by the Constitution and other laws on national, provincial, and local government regarding health services.
Foodstuffs, Cosmetics, and Disinfectants (Act No.54 of 1972)	To control the sale, manufacture and importation of foodstuffs, cosmetics, and disinfectants; and. to provide for incidental matters.
NBRBS (Act No. 103 of 1977)	For the promotion of uniformity in the law relating to the erection of buildings in the areas of jurisdiction of local authorities. For the prescribing of building standards, and for matters connected therewith.
CIDB (Act No. 38 of 2000)	To provide for the establishment of the Construction Industry Development Board: to implement an integrated strategy for the reconstruction, growth and development of the construction industry and to provide for matters connected thereof.
SANS:10400	Building Regulations of South Africa
SANS: 10254	Plumbing compliance: installation, replacement, and repair of hot water system
SANS: 1689	Corrugated stainless steel piping systems for hot and cold-water supplies
SANS: 10142	Safe installation of electrical wiring in South Africa
SANS: 10227	Criteria for the operation of inspection. Authorities performing inspection in terms of the Pressure Equipment Regulations.
SANS: 10173	The installation, testing, and balancing of air-conditioning ductwork
SANS: 1125	Room air conditioners and heat pumps
SANS: 1238	Air conditioning ductwork
SANS: 1804	Induction motors: IEC requirements and low-voltage three phase standard motors.
SANS: 151	Fixed electric storage water heaters.

SANS: 347	Standard specifications for categorisation and conformity assessment criteria for all pressure equipment.
SANS: 10087	Guidelines for the installation, maintenance and repair of gas appliances and systems in homes, businesses, and other establishments.
SANS: 10252	Water supply and drainage for buildings.
SANS: 10019	Transportable pressure receptacles for compressed, dissolved, and liquefied gases: Basic design, manufacture, use and maintenance.
SANS: 1539	Appliances operating on LPG: safety aspects
SANS: 1156	Hose for liquefied petroleum gas (LPG) and Hose and tubing for use in LPG vapour phase and LPG-air installations.
SANS: 199	Shut-off valves for refillable liquefied petroleum gas cylinders.

The following apply as part of the requirements under this category:

- a) The latest revisions, amendments or additions to the above-mentioned regulations will apply.
- b) The appointed contractor shall exempt the Employer from any claims, losses or expenditure which may arise resulting from the Contractor's negligence or failure to comply with the above-mentioned regulations.
- c) The appointed contractor shall be responsible for all notifications and payments required by any Authority for inspections, tests and supply of any service required for this construction work. The bidders are therefore required to fully acquaint themselves with these requirements prior to tendering.
- d) The successful contractor shall supply and install all notices and warning signs that are required by relevant laws or regulations, to the full approval of the Armscor Project Manager and the applicable authorities. All uncertainties of any such requirements shall be clarified prior to tendering. The cost of all such notices shall be allowed for in the tender. The client shall retain any equipment or electrical parts removed or uninstalled by the appointed contractor.

6. PROJECT MANAGEMENT

Work execution for this contract shall proceed on Works Authorisation (WA) basis (**see section 5.4.2 on the RFB document**).

Successful bidders will be requested to submit and present a project management plan covering all activities to be carried out during the construction phase. This shall be presented **within 3 weeks from date of appointment**. The Contractor shall include all critical materials and/or equipment and indicate periods and/or duration for:

- a) Finalization and approval of drawings (if required)
- b) Ordering and/or procurement
- c) Delivery
- d) Installation on site
- e) Testing
- f) Commissioning
- g) Documentation (manuals, COCs, as built drawings, etc.)
- h) Take-over
- i) Maintenance visits (if required)

The plan shall further include:

- a) The **programming of works** highlighting the required manpower, costs and durations for completion of different activities on the work packages.
- b) The project management plan shall include a work package with a list of related activities and/or tasks to be managed and completed using a systematic approach. A realistic or practical timeline for completion of the tasks shall be noted. The work packages will be assigned works authorizations to active or commence work.

7. PROGRESS MEETINGS

- a) The contractor or the delegate shall hold fortnightly progress meetings with the client's project management team.

- b) A written progress report, clearly indicating the latest progress as well as any deviations from the approved project management plan, complete with proposals for corrective action, shall be submitted and presented to the project management team.
- c) The progress meetings will be chaired by Armscor Project Manager and minutes will be recorded.

8. ACCESSING CONTINGENCY FUNDS AND CLAIMS

All claims which may result in additional costs (i.e., additional to what the contractor has already quoted excluding the contingency sum) or extensions of time shall be submitted to the Armscor Project Manager, but the following shall apply at all times irrespective of that which is stated elsewhere:

- a) The Armscor Project Manager shall be notified of any possible claim within 3 days of occurrence.
- b) The cost of the claim shall be submitted to the Armscor Project Manager within 7 days of occurrence.
- c) Should an event cause a possible disruption to the overall project, it must be brought to the attention of the Armscor Project Manager immediately.
- d) The contingency will be accessed on a work-authorization basis (**see section 5.4.2 of the RFB document**) and will be discussed with the project management team and approved by Armscor project manager.

9. QUALITY OF MATERIALS, EQUIPMENT AND WORKMANSHIP

- a) All material and equipment for the construction services shall be new and undamaged, unless otherwise stated in the URS.
- b) All material and equipment shall be of the highest quality as specified and shall be suitable for the application and prevailing conditions on site.

- c) The labour used by the Contractor for all construction services shall at all times be adequately qualified and experienced for the particular task and shall execute the work in a professional manner to the full satisfaction of the Project Manager.
- d) The contractor is responsible for ensuring that all installations meet the requirements of this specification.
- e) Under no circumstances may any material or equipment be ordered or installed other than the equipment offered in the respective schedules of Information, without obtaining written approval from the Armscor Project Manager.
- f) All material and equipment shall be SABS tested/approved and shall be accompanied by manufacturer's warranty as well as relevant manuals.
- g) For all equipment requiring calibration, the supplier shall calibrate the equipment and issue valid calibration certificates.

10. DRAWINGS

- a) The appointed contractor shall acquaint themselves fully with the available information on the supporting drawings referenced in this document and attached as Annexure G.
- b) The appointed contractor will be required to produce copies of certified as-built drawings after construction and/or installation of systems. The drawings shall be sufficiently detailed to enable the client staff to maintain, dismantle, reassemble, and adjust all parts of the work.
- c) The appointed contractor shall produce one set of hard copy and soft copy drawings shall form part of each operating and maintenance (O&M) manual. Soft copy diagrams shall be compatible with AutoCAD software. The contractor shall use his/her expertise to determine the drawings necessary for the client staff to maintain, dismantle, reassemble, and adjust all parts of the system works.
- d) As built drawings necessary for this project shall include general arrangement, schematics, process flow, sequence diagrams, etc.

- e) Applicable drawings required will be negotiated with the contractor after contract award.
- f) Drawings are part of the acceptance conditions for processing payment.

11. CODING, LABELLING AND NOTICES

All critical equipment shall be provided with a manufacturer's nameplate, which shall be a copper, anodized aluminum, or stainless-steel tag, welded or riveted to the equipment. (No "glue on" plates will be accepted.) The lettering thereon shall be suitable to withstand the climatic or other conditions under which the equipment is to operate.

The nameplates shall display the information required by the relevant SANS specifications. At least the manufacturers name, model, size, speed, power, supply voltage, etc., should be shown on relevant equipment. Equipment identification code in a form of a tag, shall also be provided by the appointed contractor.

The appointed contractor shall install all notices required in terms of relevant statutory regulations and shall amongst others include the following:

- a) Prohibiting unauthorised persons from entering.
- b) Prohibiting unauthorized persons from handling or interfering with any electrical or gas apparatus.

12. SITE LOCATIONS, CONDITIONS AND FACILITIES

- a) The site is located at Armscor Dockyard in Simons Town, Cape Town within the naval base.
- b) Potential bidders are advised to visit the site and acquaint themselves fully of all local conditions pertaining to the execution of the contract before the tender closing date, since no claims arising from insufficient knowledge of site or related conditions will be considered. This may be done during the compulsory briefing or on special request.
- c) The appointed contractor shall provide the necessary storage facilities to ensure that all material and equipment is safely stored and protected against any possible loss or

damage. The Contractor shall inform the Employer in writing if they cannot find suitable storage facilities and thus, the Employer facilities may be utilized.

- d) The appointed contractor shall provide the site office, and all other necessary facilities required by his personnel for the proper execution of this contract.

13. APPROVAL OF EQUIPMENT PURCHASE

Prior to placing an order for major equipment, the appointed contractor shall give written notice to the Armscor project manager. However, as a general rule for this project, any equipment with a total cost of over **Fifty Thousand Rands (R50 000)** shall be considered major.

14. OPERATIONAL AND MAINTENANCE MANUALS

The appointed contractor shall prepare and supply O&M manuals for the successful operation and maintenance of their Installation. The manual should include:

- a) System description of the installation
- b) Step by step operating instructions with startup and shut down procedures.
- c) Full information about the contractor including emergency telephone and fax numbers and contact persons.
- d) A list of equipment (and spares) giving information for each critical item: Description, make, model no, manufacturer details, additional information.
- e) Data sheets
- f) Catalogues and brochures
- g) List of recommended lubricants
- h) Final installations drawings
- i) Test certificates.

The appointed contractor shall ensure that all spares of critical equipment are available and accessible locally in South Africa from the OEM or an accredited agent. The Contractor shall further request operating and maintenance manuals of main catering equipment from their manufacturers or suppliers.

Operational and maintenance manuals are part of the acceptance conditions for processing payment.

15. STAFF TRAINING

The appointed contractor shall provide structured training on the safe operation and maintenance of the entire installed system to at least six (6) persons identified by Armscor Dockyard. Training shall be accompanied by Training Manuals to be supplied in soft copy format. The following shall apply:

2x Mechanical works
2x Electrical works
2x Catering equipment

Staff training is part of the acceptance conditions for processing payment.

16. QUALITY INSPECTIONS

- a) The Armscor Project Manager and his appointed Quality representatives will hold inspections at his discretion during the contract to ensure that the contractor meets the requirements of the specification, and that the contractor is fulfilling their responsibility regarding project quality assurance and control.
- b) Should remedial action be required, the Armscor Project Manager will notify the contractor, and the issue shall be rectified within three (3) days.
- c) Quality representatives will perform product inspections for items purchased under the BOQ: catering equipment in **Annexure F**. The contractor will be required to return non-conforming items and replace them with conforming items.
- d) Where necessary, an Order Deviation Form shall be completed by the contractor and approved by the client representatives (APM and Quality representatives).

17. ORDER DEVIATION

- a) Order deviation form is completed by the contractor when a specific line item changed during execution phase, where the work conducted does not reflect what is written on the line item for technical reasons.
- b) This if not completed may affect order administration (i.e., costs and line description) resulting in the assigned Quality representative reluctant to sign the work package for payment.

18. TESTING, COMMISSIONING AND TAKEOVER

- a) The appointed contractor will be required to perform testing and commissioning of all works and system installations given under general building, mechanical, electrical and catering equipment.
- b) The testing and commissioning procedure will be required before testing and will be approved by the Armscor Project Manager. The **Completion Test Certificate** will be signed by the appointed contractor, Armscor Quality Representative and Armscor Project Manager if all tests are successful.
- c) The contractor shall prepare and submit a **Project Completion Report** prior to handover.
- d) The **Take-Over Certificate** will be issued by the Armscor Project Manager provided that any outstanding test issues have been resolved and that all operating and maintenance manuals, final installation drawings, certificate of conformance and training of the client staff has been provided.
- e) Once the appointed contractor has completed and commissioned the Installation and issued the O&M manuals to the satisfaction of the Armscor Project Manager, he shall train the Employer's personnel on operating the installed systems.
- f) The supplier shall conform to the Armscor Dockyard SHE contractor Management Practice, document number AK-PRAC-11032 that will be made available to the supplier during the procurement process.

- g) Testing and commissioning are part of the acceptance conditions for processing payment.

19. CERTIFICATE OF COMPLIANCES

The appointed contractor will be required to issue the Certificate of Compliance (CoC) after installation and testing for the following works:

- a) Electrical Installation
- b) Gas facility installations
- c) HVAC installations
- d) Plumbing (geyser installations, etc.)
- e) Fire protection systems (i.e., fire sprinkler system, etc.)

The COCs are part of the acceptance conditions for processing payment.

20. INSPECTION AUTHORITY CERTIFICATION

The appointed contractor will be required to apply and/or register with relevant inspection authorities for regulatory compliance purposes, and they shall provide the following certificates:

- a) Certificate of Occupancy (i.e., obtained from the City of Cape Town)
- b) Fire Compliance Certificate (i.e., obtained from City of Cape Town/ASIB/SAIFP, etc.)

This certificate is not required at the construction stage, but the appointed contractor shall ensure that all works complies with the regulations governing general hygiene requirements for food premises, the transport of food and related matters. Foodstuffs, Cosmetics and Disinfectants Act, 1977 (Act No. 54 of 1977).

- c) Certificate of Acceptability (i.e., obtained from the City of Cape Town).

21. GUARANTEE AND WARRANTEE PERIOD

- a) The appointed contractor is required to guarantee the complete installation against defective material and workmanship for a minimum period of **12 months**. The guarantee/warranty shall commence on the date of official project handover.
- b) During this period the appointed contractor will be required to rectify or replace all defective items at his cost.
- c) The contractor shall cede all manufacturers' equipment warranties to the Employer.
- d) The warranty period shall only commence after successful completion of all deliverables by the contractor.
- e) The warranty documents are part of the acceptance conditions for processing payment.

22. AFTER SALE SUPPORT

- a) The appointed contractor shall source from the OEM or accredited agent, a confirmation letter of local spares availability for a period of 24 months after commissioning of the mechanical systems (i.e., HVAC system, etc.).
- b) The appointed contractor shall source from the OEM or accredited agent, a costed service plan for a period of 24 months. The service plan shall commence from the date of expiration of mandatory 12 months warranty period, which shall commence on the date of official project handover.
- c) If the appointed contractor is not able to get the OEM or the accredited agent to execute point (b), the contractor shall provide a costed service plan of their own.
- d) The costed service plan is part of the acceptance conditions for processing payment.

23. PROJECT DURATION

- a) The practical completion of this project shall be **no more than four (4) months**.
- b) It is the responsibility of the appointed contractor to manage their resources and the corresponding cash-flow to avoid project overruns, thus the appointed contractor shall use the industry best practices to complete the project at an earlier duration than specified.
- c) If possible, the appointed contractor shall make provisions to allocate resources for activities to be conducted during nightshift.

SECTION 2

A - ADDITIONAL CONDITIONS

1. ACCESS TO THE PREMISES

The Client shall grant the Contractor and/or his employees the necessary access at all reasonable times, in order to meet the obligations in terms of this Agreement, subject, however, to the Client's security arrangements. Access to the Client's premises may be refused under appropriate circumstances.

2. SECURITY

- 2.1 The Contractor shall be subject to the security rules and regulations as in place on any Client property he enters. These regulations shall be in line with Department of Defence unit security regulations. This includes controlled access through a security gate and prohibition of carrying photographic equipment (including cell phones with cameras), firearms, explosives, unlawful narcotics, etc. onto client property.
- 2.2 While on any Client property, the Contractor employees and vehicles may at all times be subjected to security searches by the security forces.
- 2.3 Transgression of any security rules and regulations can lead to detention by security and subsequent prosecution.

3. SAFETY

- 3.1 While on client property related to this contract, the contractor shall be responsible for the safety of his employees.
- 3.2 Should any of the contractor's employees sustain an injury, while on client property, through the contractor's action, the contractor shall be responsible for rendering medical attention.
- 3.3 The contractor enters client property at own risk. Treatment for any injury sustained by contractor's employee, caused by client action, but not due to negligence or malicious intent on the part of the client, shall be the responsibility of the contractor.
- 3.4 In any case, the client can, according to its discretion, render limited medical attention to the contractor, but the client will not accept any liability for the outcome of such medical assistance rendered. Furthermore, the client can, according to its discretion, charge the contractor for such service rendered.
- 3.5 The signed **Appendix B, OHASA ACT AGREEMENT IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH AND SAFETY ACT, NO 85 OF 1993 (AS AMENDED)**, as submitted by the contractor as part of his tender, shall become a binding agreement between the contractor and the client on award of the contract.

4. IDENTIFICATION

The Contractor shall at all times, on site, positively identify all his employees and subcontractors by visually standardized dress/overalls and conspicuously attaching workers' respective name tags thereto.

5. CONTRACTOR'S STATUS AND RESPONSIBILITIES

- 5.1 The contractor shall not permit any worker to perform any task for which such worker has not been trained.
- 5.2 Under no circumstances may the contractor's employees litter, roam, sleep or prepare food on site, unless otherwise arranged and agreed to by the client.
- 5.3 Under no circumstances may the contractor's employees accept tasks (with or without payment) from the client's personnel or any other instruction/request that is not part of this contract.
- 5.4 The contractor shall see to it that his employees do not interfere in any way with the client's employees or with occupants of the premises.
- 5.5 The contractor shall comply with the client's security requirements.
- 5.6 The contractor shall not damage the property of the client or his employees.
- 5.7 The contractor shall leave all areas where work has been executed in a clean and neat condition.
- 5.8 The contractor shall not erect any signs or advertisements on site.
- 5.9 The contractor shall not unreasonably encumber the site with his materials and equipment, and shall make such provisions and carry out his operations in such a manner that will permit continuous, safe traffic and pedestrian circulation, and he shall provide and maintain safe access to all buildings within the work boundaries.
- 5.10 The contractor shall confine his equipment, tools, and the operations of his employees as indicated by the client and within the limits of statutory requirements.

B - MAINTENANCE CONDITIONS

1. WORKING HOURS

All work on the Client's site shall take place during the Client's normal working hours, except when instructed by the Project Manager.

Normal working hours are:

Monday – Thursday: 07:15 - 16:30

Friday: 07:15 - 12:15

Should there be a requirement to work outside of the Client's normal working hours,

sufficient notification and approval is required from the Project Manager.

2. ADVERSE CONDITIONS AND DEFECTS

- 2.1 The Contractor shall report in writing to the Client any adverse conditions prior to delivery, which may adversely affect delivery.
- 2.2 The Contractor shall not commence or continue with delivery until such adverse conditions have been investigated and corrected, unless otherwise instructed in writing by the Client.

3. DOCKYARD FACILITIES

- 3.1 The contractor may obtain compressed air (during normal working hours only), fresh water and electricity from the take-off and supply points fitted in the dockyard reticulation.
- 3.2 Cranage and crane drivers may be supplied to the contractor, depending on availability. Application for these services must be made to the project manager at least 24 hours in advance.
- 3.3 The contractor is to ascertain that the pressures, flow rates and electrical supply are suitable for the satisfactory functioning of his equipment.
- 3.4 Where necessary, the contractor shall supply all the necessary connections, cables, hoses, fittings and sub-distribution boards that conforms to SABS 0142 for the transmission of the services from his equipment.
- 3.5 Any interruption to the supply caused by the use of faulty appliances or equipment by the contractor and necessitating restoration by the client personnel will be for the contractor's account.

4. DAMAGE REPORTING

- 4.1 During the execution of work, the contractor shall immediately report to the client representatives any damage detected with regard to all items/property related to this contract and limited to the areas which are included in this agreement.

ANNEXURE B: OHASA ACT AGREEMENT

OHASA ACT AGREEMENT

WRITTEN AGREEMENT ON

OCCUPATIONAL HEALTH AND SAFETY

**In accordance with the provisions of Section 37(2)
Of the Occupational Health and Safety Act, Act No 85 of 1993**

AS ENTERED INTO BY AND BETWEEN

(Hereinafter referred to as the “Employer”)

and

(Hereinafter referred to as “the Contractor”)

Contractor Compensation Fund Certificate Number: _____

Vendor Number: _____

Contract Number: _____

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1 DEFINITIONS

In this agreement, unless the context indicates otherwise –

Contractor

Contractor will be understood to represent the word “mandatory” as defined in the Construction Regulations of the Occupational Health and Safety Act, 85 of 1993

Employer

Employer will be understood to represent the word “client” as defined in the Construction Regulations of the Occupational Health and Safety Act, 85 of 1993

Hazard

means a source of or exposure to danger;

he/his/him/himself

will be used for the sake of expediency and is meant to incorporate the feminine.

Mandatory

includes an agent, a contractor or a subcontractor for work, but without derogating from his status in his own right as an employer or a user as defined in the Occupational Health and Safety Act 85 of 1993

Safe

means free from any hazard;

Workplace

means any premises or place where a person performs work in the course of his employment;

2 WARRANTY OF COMPLIANCE

In terms of this agreement the **Contractor** warrants agreement to the arrangements and procedures as prescribed by the **Employer** and as provided for in terms of Section 37(2) of the OHS Act for the purposes of compliance with the Act and its regulations.

The **Contractor** further accepts that this contract, made in terms of Section 37(2), shall be read with the Occupational Health and Safety Act and any Regulation made in terms of Section 43 and any Standard Incorporated in terms of Section 44.

The **Contractor** acknowledges that this agreement constitutes an agreement in terms of Section 37(2) of the OHS Act, whereby all responsibility for health and safety matters relating to the work that the **Contractor** and his employees are to perform on behalf of the **Employer** shall be the obligation of the **Contractor**.

3 CONTRACTOR AS AN EMPLOYER

The **Contractor** shall be deemed to be an employer in its own right while engaged in the execution of the project. In terms of Section 16(1) of the OHS Act, the **Contractor** shall accordingly ensure that the requirements of the OHS Act are complied with by itself and/or its nominated Chief Executive Officer

4 ENVIRONMENTAL COMPLIANCE

The **Contractor** shall ensure that all National Environmental Management Act (NEMA) principles are considered. This shall not be considered in isolation but include the individual requirements of Specific Environmental Management Acts (SEMAs').

MSDS shall be available for all herbicides, pesticides, fertilisers and solvents where applicable, and sufficient safety briefings shall be conducted with appropriate employees regarding the risks associated with working with the aforementioned chemicals.

5 APPOINTMENTS AND TRAINING

The **Contractor** undertakes to ensure that he and all staff that will perform any work on behalf of the **Employer** will undergo induction training before doing any work what so ever.

The **Contractor** shall appoint competent persons as per Section 16(2) of the OHS Act. Any such appointed person shall be trained on any occupational health and safety matter and the OHS Act provisions pertinent to the work that is to be performed under his responsibility. Copies of any appointments made by the **Contractor** shall immediately be provided to the **Employer**.

The **Contractor** shall further ensure that all his employees are trained on the health and safety aspects relating to the work and that they understand the hazards associated with such work being carried out. Without derogating from the foregoing, the **Contractor** shall, in particular, ensure that all operators and users of any vehicles, materials, machinery or equipment are properly trained in the use of such materials, machinery or equipment.

Notwithstanding the provisions of the above, the **Contractor** shall ensure that he, his appointed responsible persons and his employees are at all times familiar with the provisions of the OHS Act, and that they comply with the provisions of the Act.

6 SUPERVISION, DISCIPLINE AND REPORTING

The **Contractor** shall ensure that all work performed is done under strict supervision and that no unsafe or unhealthy work practices are permitted. Discipline regarding health and safety matters shall be strictly enforced against any of his employees regarding non-compliance by such employee with any health and safety matters.

The **Contractor** shall further ensure that his employees report to him all unsafe or unhealthy work situations immediately after they become aware of them and that he in turn immediately reports these to the **Employer** and/or his representative.

7 ACCESS TO THE OHS ACT

The **Contractor** shall ensure that he has an updated copy of the OHS Act on site at all times and that this is accessible to his appointed responsible persons and employees.

8 CO-OPERATION

The **Contractor** and/or his responsible persons and employees shall provide full co-operation and information if and when the **Employer** or its representative inquiries into occupational health and safety issues concerning the **Contractor**. It is hereby recorded that the **Employer** and its representatives shall at all times be entitled to make such enquiry.

Without derogating from the generality of the above, the **Contractor** and his responsible persons shall make available to the **Employer** and its representative, on request, all and any

checklists and inspection registers required to be kept in respect of any of machinery or equipment.

9 WORK PROCEDURES

The **Contractor** shall implement safe work practices and shall ensure that his responsible persons and employees are made conversant with and adhere to such safe work practices.

10 HEALTH AND SAFETY MEETINGS

In terms of the OHS Act, as applicable, the **Contractor** shall establish his own health and safety committee(s) and ensure that his employees, being the committee members, hold health and safety meetings as often as may be required and at least once every 3 months should it be required in terms of the Act.

11 COMPENSATION REGISTRATION

The **Contractor** shall ensure that he has a valid registration with the Compensation Commissioner, as required in terms of the Compensation for Occupational Injuries and Diseases Act 130 of 1993, and that all payments owing to the Commissioner are discharged. The **Contractor** shall further ensure that the cover shall remain in force while any such employee is present on the premises. Certified copies of valid letters of good standing shall be submitted to the employer before work commences.

12 MEDICAL EXAMINATIONS

The **Employer** reserves the right to compel the **Contractor** to ensure that all his employees undergo routine medical examinations, and that they are medically fit for the purposes of the work they are to perform.

13 INCIDENT REPORTING AND INVESTIGATION

All incidents referred to in Section 24 of the OHS Act shall be reported by the **Contractor** to the Department of Labour and to the **Employer**. The **Employer** shall further be provided with copies of any written documentation relating to any incident occurring in the execution of work under contract or agreement with the **Employer**.

The **Employer** retains an interest in the reporting of any incident as described above as well as in any formal investigation and/or inquiry conducted in terms of Section 32 of the OHS-Act into such incident.

14 FIRE PRECAUTIONS AND FACILITIES

The **Contractor** shall ensure that an adequate supply of fire-protection and first-aid facilities is provided for the work to be performed where indicated as being required in terms of a risk assessment.

The **Contractor** shall further ensure that all his employees are familiar with fire precautions at the, which include fire-alarm signals and emergency exits, and that such precautions are adhered to.

Smoking is only to be permitted in designated smoking areas.

15 HYGIENE AND HOUSEKEEPING

The **Contractor** shall ensure that the work site and surrounding area is at all times maintained to a reasonably practicable level of hygiene and cleanliness.

16 NO NUISANCE

The **Contractor** shall ensure that no hindrance, hazard, annoyance or inconvenience is inflicted on the **Employer**.

17 INTOXICATION NOT ALLOWED

No intoxicating substance of any form shall be allowed. The **Contractor** shall ensure that adequate measures are implemented to ensure that no employee is, or remains, under the influence of alcohol when engaged in the **Employer's** business. Any person required to take medication shall notify the relevant responsible person thereof, as well as the potential side effects of the medication.

18 PERSONAL PROTECTIVE EQUIPMENT

The **Contractor** shall ensure that his responsible persons and employees are provided with adequate personal protective equipment (PPE) for the work they may perform and in accordance with the requirements of General Safety Regulation 2(1) of the OHS Act. The **Contractor** shall further ensure that his responsible persons and employees wear the PPE issued to them at all material times.

The **Employer** reserves the right to instruct the **Contractor** to obtain and use specific PPE, appropriate to the nature of the work and with due regard to the principle of reasonable practicality.

The **Contractor** shall provide appropriate safety signage and barricading and demarcation where necessary and appropriate. The **Employer** reserves the right to inform the **Contractor** of inadequate signage, barricading or demarcation and to instruct him to improve it before work may continue.

19 PLANT, MACHINERY, EQUIPMENT AND VEHICLES

In accordance with the provisions of Section 10(4) of the OHS Act, the **Contractor** hereby confirms that he has noted his liability for taking the necessary steps to ensure that any machine, article or substance that is provided to it is safe to use. The mandatory further warrants that this agreement is one made in terms of Section 10(4) of the OHS Act.

20 QUALIFICATIONS

The **Contractor** will provide the **Employer** with certified copies of all certificates necessary to confirm the competence of the **Contractor's** employees, such as operators certificates of competence, drivers licenses, PDP's, first aid training certificates and any other appropriate documents that the **Employer** may require.

21 NO USAGE OF THE EMPLOYER'S EQUIPMENT

The **Contractor** hereby acknowledges that his employees shall not be permitted to use any materials, machinery or equipment of the **Employer** unless the prior written consent of the

Employer has been obtained, in which case the **Contractor** shall ensure that only those persons authorised to make use of them, have access thereto.

22 TRANSPORT

The **Contractor** shall ensure that all road vehicles used on the premises are in a roadworthy condition and are licensed and insured. All drivers shall have relevant and valid driving licences and no vehicle shall carry passengers unless it is specifically designed to do so. All drivers shall adhere to the speed limits and road signs on the premises at all times. All occupants of a vehicle must wear safety belts and the drivers are not to use a hand held cell phone.

In the event that any hazardous substances are to be transported on or to the premises, the **Contractor** shall ensure that the requirements of the Hazardous Chemical Substances Act 15 of 1973 are complied with at all times.

23 INDEMNITY

The **Contractor** indemnifies the **Employer** against any claim, whether based in common law or legislation, which any party, including employees of the **Contractor**, may have against the **Employer** arising out of the performance or execution of the work.

24 DURATION OF AGREEMENT

This agreement shall remain in force for the duration of the work to be performed by the **Contractor**.

25 HEADINGS

The headings as contained in this agreement are for reference purposes only and shall not be construed as having any interpretative value in themselves or as giving any indication as to the meaning of the contents of the paragraphs contained in this agreement.

26 COSTS

The **Contractor** accepts that ensuring full compliance with the relevant Legislation and other health and safety requirements may have a cost implication. The **Contractor** accepts these costs as for its account, and warrants that the potential cost implication was disclosed prior to entering into contract.

27 SIGNATURES

FOR AND ON BEHALF OF THE CONTRACTOR

SIGNED at _____ on this _____ day of _____ 2024

Name:

WITNESSES:

1. _____

2. _____

FOR AND ON BEHALF OF THE EMPLOYER

SIGNED at _____ on this _____ day of _____ 2024

Name:

WITNESSES:

1. _____

2. _____

ANNEXTURE D:

ARMSCOR BOQ: CONSTRUCTION

PRELIMINARIES AND GENERALS (P&Gs)

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 01</u> <u>BUILDING WORKS PRELIMINARIES</u> <u>SECTION NO. 01</u> <u>PRELIMINARIES AND GENERALS</u>				
	PRELIMINARIES NOTES PREAMBLES NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill. NOTES i) The agreement is based on the JBCC Principal Building Agreement (version 4.1). The additions, deletions and alterations to the JBCC PBA and the Principal Building Agreement: Contract Data and these documents have been incorporated in the Contract section of this document. The tenderer is deemed to have referred to these documents for the full and meaning of each clause. The clauses are referred to by the number and heading only. Where standard clauses or options are not applicable to the contract such notifications or corrections are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked. "N/A" signifying "Not Applicable". ii) The Preliminaries for use with the JBCC Series 2000 Preliminaries prepared by the Joint Building Contracts Committee, edition code 2103 March 2005 and shall be deemed to be incorporated herein iii) Tenderers are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary iv) Where standard clause or alternatives are not entirely applicable to this contract such modification, corrections or supplements as will apply are given under each relevant clause heading v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable") vi) If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied) "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time. PRICING OF PRELIMINARIES Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.				

	SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT - (Edition 4.1, March 2005)				
	DEFINITIONS AND INTERPRETATION (A1)				
1/1/1	Clause 1.0 F: V: T:	Item			
	OFFER, ACCEPTANCE AND PERFORMANCE OBLIGATIONS (A2)				
1/1/2	Clause 2.0 F: V: T:	Item			
	DOCUMENTS (A3)				
1/1/3	Clause 3.0 F: V: T:	Item			
	DESIGN RESPONSIBILITY (A4)				
1/1/4	Clause 4.0 F: V: T:	Item			
	EMPLOYERS AGENTS (A5)				
1/1/5	Clause 5.0 F: V: T:	Item			
	SITE REPRESENTATIVE (A6)				
1/1/6	Clause 6.0 F: V: T:	Item			
	COMPLIANCE WITH LAWS AND REGULATIONS (A7)				
1/1/7	Clause 7.0 F: V: T:	Item			
	INSURANCE AND SECURITY				
	WORKS RISK (A8)				
1/1/8	Clause 8.0 F: V: T:	Item			
	INDEMNITIES (A9)				
1/1/9	Clause 9.0 F: V: T:	Item			
	WORKS INSURANCES (A10)				
	CARRIED FORWARD				
	BROUGHT FORWARD				
1/1/10	Clause 10.0 F: V: T:	Item			
	LIABILITY INSURANCES (A11)				
1/1/11	Clause 11.0 F: V: T:	Item			
	EFFECTING INSURANCES (A12)				
1/1/12	Clause 12.0 F: V: T:	Item			
	NO CLAUSE (A13)				
1/1/13	Clause 13.0 F: V: T:	Item			
	SECURITY (A14)				
1/1/14	Clause 14.0				

	F: V: T:	Item			
	EXECUTION				
	PREPARATION FOR AND EXECUTION OF THE WORKS (A15)				
1/1/15	Clause 15.0 F: V: T:	Item			
	ACCESS TO THE WORKS (A13)				
1/1/16	Clause 16.0 F: V: T:	Item			
	CONTRACT INSTRUCTION (A17)				
1/1/17	Clause 17.0 F: V: T:	Item			
	SETTING OUT OF THE WORKS (A18)				
1/1/18	Clause 18.0 F: V: T:	Item			
	ASSIGNMENT (A19)				
1/1/19	Clause 19.0 F: V: T:	Item			
	NOMINATED SUBCONTRACTORS (A20)				
1/1/20	Clause 20.0 F: V: T:	Item			
	SELECTED SUBCONTRACTORS (A21)				
1/1/21	Clause 21.0 F: V: T:	Item			
	EMPLOYERS DIRECT CONTRACTORS (A22)				
1/1/22	Clause 22.0 F: V: T:	Item			
	CONTRACTORS DOMESTIC SUBCONTRACTORS (A23)				
1/1/23	Clause 23.0 F: V: T:	Item			
	COMPLETION				
	PRACTICAL COMPLETION (A24)				
1/1/24	Clause 24.0 Contract Period: The period commencing on actual Site hand over date to the Contractor and ending on the date of Practical Completion or authorised extensions thereto including all Annual Industrial Holiday Periods, Sundays and Public Holidays. F: V: T:	Item			
	WORKS COMPLETION (A25)				
1/1/25	Clause 25.0 F: V: T:	Item			
	FINAL COMPLETION (A26)				
1/1/26	Clause 26.0 F: V: T:	Item			
	LATENT DEFECT'S LIABILITY PERIOD (A27)				
1/1/27	Clause 27.0				

	F: V: T:	Item		
	SECTIONAL COMPLETION (A28)			
36919	Clause 28.0			
	CARRIED FORWARD			
	BROUGHT FORWARD			
	F: V: T:	Item		
	REVISION OF THE DATE FOR PRACTICAL COMPLETION (A29)			
1/1/29	Clause 29.0			
	F: V: T:	Item		
	PENALTY FOR LATE OR NON-COMPLETION (A30)			
1/1/30	Clause 30.0			
	F: V: T:	Item		
	PAYMENT			
	INTERIM PAYMENT TO THE CONTRACTOR (A31)			
1/1/31	Clause 31.0			
	F: V: T:	Item		
	ADJUSTMENT OF THE CONTRACT VALUE (A32)			
1/1/32	Clause 32.0			
	F: V: T:	Item		
	RECOVERY OF EXPENSE AND/OR LOSS (A33)			
1/1/33	Clause 33.0			
	F: V: T:	Item		
	FINAL ACCOUNT AND FINAL PAYMENT (A34)			
1/1/34	Clause 34.0			
	F: V: T:	Item		
	PAYMENT TO OTHER PARTIES (A35)			
1/1/35	Clause 35.0			
	F: V: T:	Item		
	CANCELLATION			
	CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT (A36)			
1/1/36	Clause 36.0			
	F: V: T:	Item		
	CANCELLATION BY EMPLOYER - LOSS AND DAMAGE (A37)			
1/1/37	Clause 37.0			
	F: V: T:	Item		
	CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT (A38)			
1/1/38	Clause 38.0			
	F: V: T:	Item		
	CANCELLATION - CESSATION OF THE WORKS (A39)			
1/1/39	Clause 39.0			
	F: V: T:	Item		
	CANCELLATION - CESSATION OF THE WORKS (A39)			
1/1/40	Clause 39.0			
	F: V: T:	Item		
	DISPUTE			
	SETTLEMENT OF DISAGREEMENTS AND DISPUTES (A40)			
1/1/41	Clause 40.0			
	F: V: T:	Item		
	SUBSTITUTE PROVISIONS			

1/1/42	STATE CLAUSES (A41) Clause 41.0 F: V: T:	Item			
1/1/43	SCHEDULE OF VARIABLES (A42) Clause 42.0 F: V: T:	Item			
1/1/44	AGREEMENT AGREEMENT Clause F: V: T: Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder CONTRACT DETAILS Works Description: On the URS	Item			
	CARRIED FORWARD				
	BROUGHT FORWARD Site Description: Armcor Dockyard Canteen Construction Phase Work for installation by direct contractors: TBC This agreement is for a government contract: Yes Date on which possession of the site is intended to be given: TBC Period for the commencement of the works after the contractor takes possession of the site: 10 days Completions in sections are required: No Intended date of practical completion and the penalty per calendar day for the works as a whole: per day Contract duration : Four (4) months including national builder's break SPECIAL COMPLETION REQUIREMENTS Beneficial occupation dates: TBC Tenant Installations beneficial occupation F: V: T:				
1/1/45	Arbitration rules as recommended by the Association of Arbitrators (SA) F: V: T:	Item			
1/1/46	The law applicable to this agreement shall be that of South Africa F: V: T:	Item			
1/1/47	INSURANCES Contract works insurance to be effected by: Contractor Notwithstanding the provisions of Clause 41.3.2, the first amount deductible will be for the Contractor's account SASRIA insurance required: F: V: T:	Item			
1/1/48	Public liability insurance to be effected by Contractor For the amount of: R 1 000 000.00 With a deductible of: R 10 000.00 per claim F: V: T:	Item			

	DOCUMENT Waivers of contractors lien is required: Yes Number of construction document copies to be supplied free of charge: 3 Number of days for submission of priced documents: TBA Notwithstanding the provisions of the above clause, no payments will be certified unless the priced documents are agreed with the Quantity Surveyors. JBCC Engineering General Conditions are to be included in the documents: No Alternative if contract value is not adjusted using Contract Price Adjustment Provision: N/A Tender Price is requested for Fixed Rates. Details of changes made to the provision of JBCC standard documentation: The Contractor shall issue a Tax Invoice immediately to enable the Employer to process payment. SECTION B: PRELIMINARIES Definition and interpretation (B1)				
1/1/49	Definition and interpretation (B1.1 - B1.6.5) F: V: T:	Item			
	Documents (B2)				
1/1/50	Checking of documents (B2.1) F: V: T:	Item			
1/1/51	These bills of quantities contain pages and annexures as indexed on the flyleaf The items in these bills of quantities are to be read and priced in conjunction with the descriptions regarded as amplified by the Model Preambles for Trades as recommended and published by the Association of South African Quantity Surveyors, 2008 edition, and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained. F: V: T:	Item			
1/1/52	Provisional bills of quantities (B2.2) F: V: T:	Item			
1/1/53	Availability of construction documentation for contracts based on provisional bills of quantities (B2.3) F: V: T:	Item			
1/1/54	Interests of agents (B2.4) F: V: T:	Item			
	CARRIED FORWARD				
	BROUGHT FORWARD				
1/1/55	Priced documents (B2.5)				

	F: V: T:	Item		
1/1/56	Tender submission (B2.6)			
	F: V: T:	Item		
1/1/57	Notwithstanding anything contained in this clause tenders shall be valid for a period of 180 days from the closing date of tenders			
	F: V: T:	Item		
	The site (B3)			
1/1/58	Defined works area (B3.1)			
	F: V: T:	Item		
1/1/59	The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the principal agent at the official site briefing meeting.			
	Site Meeting Date: TBC			
	The meeting will be held at: TBC			
	Tenderers are advise to arrive at least one hour earlier for the briefing meeting in order to avoid delays related to locating the venue.			
	F: V: T:	Item		
1/1/60	Inspection of the site (B3.3)			
	F: V: T:	Item		
1/1/61	A compulsory briefing meeting with representatives of the Employer will not take place due to the Covid-19 Lockdown restrictions. However, tenderers are welcomed to make arrangements to visit the site on a non-compulsory basis at the Chameti High School			
	F: V: T:	Item		
1/1/62	Existing premises occupied (B3.4)			
	F: V: T:	Item		
1/1/63	Previous work - dimensional accuracy (B3.5)			
	F: V: T:	Item		
1/1/64	Previous work - defects (B3.6)			
	F: V: T:	Item		
1/1/65	Services - known (B3.7)			
	F: V: T:	Item		
1/1/66	Services - unknown (B3.8)			
	F: V: T:	Item		
1/1/67	Protection of trees etc (B3.9)			
	F: V: T:	Item		
1/1/68	Articles of value (B3.10)			
	F: V: T:	Item		
1/1/69	Inspection of adjoining properties etc (B3.11)			
	F: V: T:	Item		
	Management of contract (B4)			

1/1/70	Management of the works (B4.1) The contractor is to submit with his tender a synopsis of the proposed management team envisaged for this project. <u>The required resource(s) is a construction safety officer and manager</u> F: V: T:	Item			
1/1/71	Programme for the works The contractor is to submit with his tender a detailed program outlining the envisaged programming of the works F: V: T:	Item			
1/1/72	Progress meetings (B4.3) F: V: T:	Item			
1/1/73	Technical meetings (B4.4) F: V: T: Samples and shop drawings and manufacturer's instructions (B5)	Item			
1/1/74	Samples of materials (B5.1) F: V: T:	Item			
1/1/75	Workmanship samples (B5.2) F: V: T:	Item			
1/1/76	Shop drawings (B5.3) F: V: T:	Item			
	CARRIED FORWARD				
	BROUGHT FORWARD				
	Temporary works and plant (B6)				
1/1/77	Deposits and fees (B6.1) F: V: T:	Item			
1/1/78	Enclosure of the works (B6.2) F: V: T:	Item			
1/1/79	Advertising (B6.3) F: V: T:	Item			
1/1/80	Plant, equipment, sheds and offices (B6.4) F: V: T:	Item			
1/1/81	Main notice board (B6.5) Provision shall be made for 1 set of Professional boards Lettering shall include 1 logo not exceeding 200 x 200mm per consultant and contractor all in colour and Armstrong chromadek signage board that must be 2 x 4m. F: V: T:	Item			
1/1/82	Subcontractors notice board (B6.6) F: V: T: Temporary services (B7)	Item			
1/1/83	Location (B7.1) F: V: T:	Item			

1/1/84	Water (B7.2) Alternative A F: V: T:	Item			
1/1/85	Electricity (B7.3) Alternative A F: V: T:	Item			
1/1/86	Telecommunication equipment (B7.4) Alternative A F: V: T:	Item			
1/1/87	Ablution facilities (B7.5) Alternative A F: V: T: Prime cost amounts (B8)	Item			
1/1/88	Responsibility for prime cost amounts (B8.1) F: V: T: Attendance on N/S Subcontractors (B9)	Item			
1/1/89	General attendance (B9.1) F: V: T:	Item			
1/1/90	Special attendance (B9.2) F: V: T:	Item			
1/1/91	Commissioning - Fuel, water and power (B9.3) F: V: T: Financial aspects (B10)	Item			
1/1/92	Statutory taxes, duties and levies (B10.1) F: V: T:	Item			
1/1/93	Provision for Value Added Tax (VAT) is made in the Final Summary F: V: T:	Item			
1/1/94	Payment of preliminaries (B10.2) F: V: T:	Item			
1/1/95	Adjustment of preliminaries (B10.3) F: V: T:	Item			
1/1/96	Payment certificate cash flow (B10.4) F: V: T:	Item			
1/1/97	Contractor information supply (B10.5)				
	CARRIED FORWARD				
	BROUGHT FORWARD F: V: T: General (B11)	Item			
1/1/98	Protection of works (B11.1) F: V: T:	Item			

1/1/99	Protection/isolation of existing/sectionally occupied works (B11.2) F: V: T:	Item			
1/1/100	Site security (B11.3) F: V: T:	Item			
1/1/101	Notice before covering work (B11.4) F: V: T:	Item			
1/1/102	Disturbance (B11.5) F: V: T:	Item			
1/1/103	Works cleaning and clearing (B11.6) F: V: T:	Item			
1/1/104	Vermin (B11.7) F: V: T:	Item			
1/1/105	Overhand work (B11.8) F: V: T: Schedule of variables (B12)	Item			
1/1/106	Pre-tender information (B12.1) F: V: T: Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that either no details or specific requirements are available or that the clause is not relevant to this specific contract	Item			
1/1/107	12.1.1 Provisional bills of quantities (B2.2) The quantities are provisional: Yes F: V: T:	Item			
1/1/108	12.1.2 Availability of construction documentation (B2.3) Construction documentation is not complete: Yes F: V: T:	Item			
1/1/109	12.1.3 Interest of agents (B2.4) F: V: T:	Item			
1/1/110	12.1.4 Defined works area (B3.1) F: V: T:	Item			
1/1/111	12.1.5 Geotechnical investigation (B3.2) F: V: T:	Item			
1/1/112	12.1.6 Existing premises occupied (B3.4) F: V: T:	Item			
1/1/113	12.1.7 Services - known (B3.7) F: V: T:	Item			

1/1/114	12.1.8 Protection of trees (B3.9) F: V: T:	Item			
1/1/115	12.1.9 Inspection of adjoining properties (B3.11) F: V: T:	Item			
1/1/116	12.1.10 Enclosure of the works (B6.2) F: V: T:	Item			
1/1/117	12.1.11 Offices (B6.4.3) F: V: T:	Item			
1/1/118	12.1.12 Main notice board (B6.5) Provision shall be made for 1 set of Professional boards Lettering shall include 1 logo not exceeding 200 x 200mm per consultant and contractor all in colour and Armstrong chromadek signage board that must be 2 x 4m. F: V: T:	Item			
1/1/119	12.1.13 Subcontractors notice board (B6.6) CARRIED FORWARD BROUGHT FORWARD A notice board is required: Yes F: V: T:	Item			
1/1/120	12.1.14 Water (B7.2) Alternative Selected: A The contractor shall make provision for water connection requirements that will enable them to carry out works around the site. The contractor shall apply for all necessary supply connections requirements with the Local Authority. Should the local authority refuse services supply to site, the contractor shall connect to any other existing services pointed to him by the Principal Agent in the same manner that the Local authority would have supplied services to site ie in compliance with the specifications of the Local authority. F: V: T:	Item			
1/1/121	12.1.15 Electricity (B7.3) Alternative selected: A The contractor shall make provision for electrical power connection requirements that will enable them to carry out works around the site. The contractor shall apply for all necessary supply connections requirements with the Local authority. The contractor shall connect to any other existing services pointed to him by the Principal Agent in the same manner that the Local authority would have supplied services to site ie in compliance with the specifications of the Local authority. F: V: T:	Item			
1/1/122	12.1.16 Telecommunications (B7.4) Alternative selected: A				

	The contractor shall make provision for telephone connection requirements that will enable them to carry out works around the site. The contractor shall apply for all necessary supply connections requirements with the relevant Agency. Should the Agency refuse services supply to site, the contractor shall connect to any other existing services pointed to him by the Principal Agent in the same manner that the Agency would have supplied services to site ie in compliance wit the specifications of the Agency. F: V: T:	Item			
1/1/123	12.1.17 Ablution facilities (B7.5) Alternative selected: A The contractor shall make provision for sewer connection requirements that will enable them to carry out works around the site. The contractor shall apply for all necessary supply connections requirements with the Local authority. The contractor shall connect to any other existing services pointed to him by the Principal Agent in the same manner that the Local authority would have supplied services to site ie in compliance wit the specifications of the Local authority. F: V: T:	Item			
1/1/124	12.1.8 Special attendance (B9.2) F: V: T:	Item			
1/1/125	12.1.19 Protection of the works (B11.1) F: V: T:	Item			
1/1/126	12.1.20 Protection of existing/sectionally occupied works (B11.2) Protection is required: Yes The contractor shall conduct an as built survey (photographic and written) prior to commencing works. All damage caused by the Contractor during the contract shall be rectified at the Contractors cost. F: V: T:	Item			
1/1/127	12.1.21 Disturbance (B11.5) F: V: T:	Item			
1/1/128	Post tender information (B12.2) F: V: T:	Item			
1/1/129	12.2.1 Payment of preliminaries Alternative selected: (A or B) F: V: T:	Item			
1/1/130	12.2.2 Adjustment of preliminaries Alternative selected: (A or B) F: V: T:	Item			
1/1/131	12.2.3 Additional agreed preliminaries items F: V: T:	Item			

	SECTION C: SPECIFIC PRELIMINARIES				
1/1/132	GUARANTEE Where guarantees are called for, the contractor shall obtain a written guarantee, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The guarantee shall state that workmanship, materials and installation are guaranteed for a specified period from the date of certified completion of the contract, and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice from the principal agent to do so. This guarantee will not be enforced if the work is damaged by structural defects in the building in which case the responsibility for replacement shall rest entirely with the contractor unless found to be as a result of a design fault. F: V: T:	Item			
1/1/133	SHOP DRAWINGS The contractor and/or nominated/selected sub- contractor shall prepare and submit, at his own expense, three (3) copies of shop drawings of all fabricated work, working or setting out drawings shop details and schedules to the principal agent for approval prior to commencement of manufacture. Correction of shop drawings shall not constitute a change in scope of work unless the contractor notifies the Principal Agent in writing within seven (7) calender days and shall not proceed with fabrication until so authorised by the principal agent F: V: T:	Item			
1/1/134	SAMPLES Samples are physical examples furnished by the contractor to illustrate materials, equipment or workmanship and to establish standards by which the work will be judged. The contractor shall furnish without delay such samples and "mock ups" as may be called for by the Principal Agent, who may reject all material and workmanship not corresponding with the approved samples. Samples must be submitted in duplicate or as instructed and must allow a reasonable time for their consideration. Samples must be properly labelled with the project name and location, contractor's name, the type, finish composition of materials date of submission and the contract document reference in which the project is identified. F: V: T:	Item			
1/1/135	SITE INSTRUCTIONS Site instructions issued are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor. Site instructions to the various sub-contractors may be issued only by the Principal Agent and must be issued via the contractor.	Item			

	Copies of all site instructions issued are to be submitted for the principal agent and the quantity surveyors within two (2) days of issue. F: V: T:	Item			
1/1/136	OVERTIME Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the Principal Agent has specifically authorised in writing, prior to the execution thereof, that costs for such overtime are to be borne by the employer. F: V: T:	Item			
1/1/137	CO-OPERATION OF CONTRACTOR FOR COST CONTROL It is specifically agreed that the contractor accepts the obligation of assisting the professional consultants in implementing proper cost control in an effort to prevent the final building cost from exceeding the budget. It is specifically agreed that the professionals and the contractor will endeavour to agree and sign off variations within sixty days of them arising. F: V: T:	Item			
1/1/138	SITE LEVELS Before commencement of the works, the contractor shall carry out and provide the principal agent, for approval, a survey of the existing site levels in sufficient details to enable the preparation of a final account. F: V: T:	Item			
1/1/139	PROPRIETARY BRANDED PRODUCTS The contractor shall take delivery of, handle, store, use apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instruction after consultation with the manufacturer's authorised representative F: V: T:	Item			
1/1/140	AS BUILT DRAWINGS The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records. F: V: T:	Item			
1/1/141	OCCUPATIONAL HEALTH AND SAFETY ACT In terms of the Occupational Health and Safety Regulations promulgated on 18 July 2003 and any latest editions/amendments, it will be expected from the contractor to comply fully with and adhere to all such regulations pertaining to this project as no claims in this regard will be entertained. F: V: T:	Item			
1/1/142	COVID-19 RELATED ITEMS	Item			

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 02</u> <u>MECHANICAL WORKS PRELIMINARIES</u> <u>SECTION NO. 01</u> <u>PRELIMINARIES AND GENERALS</u>				
	<u>Contractual Conditions</u> 2,1 construction Program 2,2 Compliance with the Main Contract P&G items 2,3 Contract conditions not specifically referred to above (specify) <u>Site Establishment</u> 2,4 Provision of Site Facility 2,5 Attendance of Site Meeting <u>Daywork Schedule</u> 2,6 Personnel Coded Welder Registered Electrician Registered HVAC technician Registered Plumber Apprentices Labourer <u>Drawings</u>				
			Sum		
			Sum		
			Sum		
			Sum		
			Sum		
			hr		Rate Only
			hr		Rate Only
			hr		Rate Only
			hr		Rate Only
			hr		Rate Only
			hr		Rate Only
			Sum		
			Sum		
			Sum		
			Sum		

	<u>Guarantee and Maintenance</u>				
2,11	12 months guarantee for plant and equipment specified				
2,12	3 months minor service during guarantee period				
	<u>Testing</u>				
2,13	Rigging/Hoisting of Units and Ducting Including all costs related to the transport, hire and usage of the equipment for all rigging relevant to the installation.		Sum		
2,14	Contract Works Insurances		Item		
2,15	Supplementary Insurance		Item		
2,16	Public Liability Insurance		Item		
2,17	Compliance with Fixed Cost- Obligations		Item		
2,18	Compliance with Time - Related Obligations		Item		
2,19	Compliance with Value - Related Obligations		Item		
2,20	Compliance with Construction Regulations and Health and Safety Act		Item		
2,21	Compliance with EPWP Labour Intensive Specification		Item		
2,22	Site establishment: Establish on Site and provision of buildings and materials storage facilities		Item		
2,23	Commissioning and testing: Supply all test equipments and labour for testing, commissioning and adjustments of all portions of the final Mechanical installation, as well as being in attendance for any inspection and test that the Client/Engineer/Agent may call for, including the issuing of the Certificate of Compliance (COC) by Electrician		Item		
	<u>Fixed Obligation</u>	P&G allowance			
	<u>Value Related Obligation</u>	P&G allowance			
	<u>Time Related Obligation</u>	P&G allowance			
	CARRIED TO SUMMARY				
	Preliminaries - Mechanical Works				

	<u>Guarantee and Maintenance</u>				
3,11	12 months guarantee for plant and equipment specified				
3,12	3 months minor service during guarantee period				
	<u>Testing</u>				
3,13	Rigging/Hoisting of Units and Ducting Including all costs related to the transport, hire and usage of the equipment for all rigging relevant to the installation.		Sum		
3,14	Contract Works Insurances		Item		
3,15	Supplementary Insurance		Item		
3,16	Public Liability Insurance		Item		
3,17	Compliance with Fixed Cost- Obligations		Item		
3,18	Compliance with Time - Related Obligations		Item		
3,19	Compliance with Value - Related Obligations		Item		
3,20	Compliance with Construction Regulations and Health and Safety Act		Item		
3,21	Compliance with EPWP Labour Intensive Specification		Item		
3,22	Site establishment: Establish on Site and provision of buildings and materials storage facilities		Item		
3,23	Commissioning and testing: Supply all test equipments and labour for testing, commissioning and adjustments of all portions of the final Electrical Installation, as well as being in attendance for any inspection and test that the Client/Engineer/Agent may call for, including the issuing of the Certificate of Compliance (COC) by Electrician		Item		
	<u>Fixed Obligation</u>	P&G allowance			
	<u>Value Related Obligation</u>	P&G allowance			
	<u>Time Related Obligation</u>	P&G allowance			
	CARRIED TO SUMMARY				
	Preliminaries - Electrical Works				

FINAL SUMMARY

ARMSCOR BOQ – CONSTRUCTION PRELIMINARIES AND GENERALS

Section		Pages	Amount
2,0 3,0 4,0	<u>FINAL SUMMARY:</u> <u>ARMSCOR BOQ: CONSTRUCTION - PRELIMINARY AND GENERALS (P&Gs)</u>		
	<u>GENERAL BUILDING PRELIMINARIES</u>		
	<u>MECHANICAL WORKS PRELIMINARIES</u>		
	<u>ELECTRICAL WORKS PRELIMINARIES</u>		
	SUB-TOTAL		
	VALUE ADDED TAX (VAT) @15%		
	FINAL OFFER		
	<u>NOTE:</u> TRANSFER THE FINAL OFFER OF BOQ: CONSTRUCTION PRELIMINARIES AND GENERALS TO THE KD17 PRICING SCHEDULE TABLE		

ANNEXTURE E:

ARMSCOR BOQ: CONSTRUCTION

MAIN WORKS

SECTION 02

GENERAL BUILDING WORKS

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 01</u> <u>DEMOLITION AND ALTERATIONS</u> <u>SECTION NO. 02</u> <u>BUILDING WORKS</u>				
	<u>PREAMBLES</u> NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill. <u>SUPPLEMENTARY PREAMBLES</u> Subterranean water No subterranean water is expected Excavation for working space in rock Notwithstanding clause 11 page 8 of the Standard System of Measuring Building Work, excavation for working space in rock will be measured in cubic metres to the extent executed and given as "extra over" bulk excavation or trench and hole excavation as the case may be Carting away of excavated material Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site Filling Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material The Contractor shall be responsible for the removal from site of all materials, debris and rubbish resulting from the work which removal is deemed to be included in the rates unless otherwise stated. Rates for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary				

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 02</u> <u>MASONRY</u> <u>SECTION NO. 02</u> <u>BUILDING WORKS</u>				
	<u>PREAMBLES</u> NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill. <u>SUPPLEMENTARY PREAMBLES</u> Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill. <u>GENERAL NOTES TO TENDERERS</u> General notes, described in Bill No.1, shall equally apply to this Bill. Sizes in descriptions Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick Hollow walls etc Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole. Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brickseal" bitumen emulsion waterproofing coating. Face bricks Bricks shall be ordered timeously to obtain uniformity in size and colour <u>SUPERSTRUCTURE BRICKWORK</u> <u>Brickwall Partition System</u>				

	The contractor shall prepare the foundation floor for the installation of the "NFX brick wall" partition system. The system shall be completely fixed to the ground foundation suitable for a single brick wall, usually 400mm wide. The system shall utilize masonry cement complying with SANS 50413 class MC 22.5X or MC 12.5 when mixing mortar for bricklaying. The base of the entire system shall be protected from external forces using either stainless steel or PVC (measured elsewhere). The wall shall be plastered using a 1:5 cement sand plaster and finished with a suitable primer and the corresponding interior paint (measured elsewhere). The contractor shall consult the Engineer's drawing and the Specification prior to pricing this item.				
2,1	One brick wall in class II mortar laid in stretcher bond with 10mm flush joints - Wall 7 and 8	m2	42		
2,2	One brick wall in class II mortar laid in stretcher bond with 10mm flush joints - Wall 23, 24, 28 and 31	m2	33		
	<u>Brick Pier Pillar</u> The contractor shall prepare the foundation floor for the installation of the brick pier pillar. The system shall be completely fixed to the ground foundation and shall be laid in stretcher bonds. The system shall utilize masonry cement complying with SANS 50413 class MC 22.5X or MC 12.5 when mixing mortar for bricklaying. The base of the entire system shall be protected from external forces using either stainless steel or PVC (measured elsewhere). The wall shall be plastered using a 1:5 cement sand plaster and finished with a suitable primer and the corresponding interior paint (measured elsewhere). The contractor shall consult the engineer's drawing and Specifications prior to pricing this item.				
2,3	Mass brickwork in regular piers of NFP bricks in class II mortar laid in stretcher bonds - 500 x 500mm Brick Piers, 3400mm high	No	1		
	<u>Deck Platform</u>				
	CARRIED FORWARD				
	Masonry				

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 03</u> <u>PLASTERING</u> <u>SECTION NO. 02</u> <u>BUILDING WORKS</u>				
	<u>PREAMBLES</u> NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill. <u>SUPPLEMENTARY PREAMBLES</u> Supplementary preamble items described in Bill No. 1, shall equally apply to this bill. <u>GENERAL NOTES TO TENDERERS</u> General notes, described in Bill No.1, shall equally apply to this Bill. <u>INTERNAL PLASTER</u> One coat smooth 1:5 cement sand plaster on brickwork to receive finish <u>On Superstructures</u>				
3,1	Brickwall partition system, both faces, Wall 7 and 8	m2	42		
3,2	Brickwall partition system, both faces, Wall 23, 24, 28 and 31	m2	33		
3,3	500 x 500mm Brick Piers, 3400mm high	No	1		
3,4	Deck platform, exposed surfaces	m2	27		
3,4	<u>On narrow widths</u> On narrow widths	m2	6		
	CARRIED TO SUMMARY				
	Plastering				

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 04</u> <u>DRY WALL PARTITIONS AND CEILING, ETC.</u> <u>SECTION NO. 02</u> <u>BUILDING WORKS</u>				
	<u>PREAMBLES</u> NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill. <u>SUPPLEMENTARY PREAMBLES</u> Supplementary preamble items described in Bill No. 1, shall equally apply to this bill. <u>GENERAL NOTES TO TENDERERS</u> General notes, described in Bill No.1, shall equally apply to this Bill. Fixing Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere. Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete Ceilings & Bulkheads Unless otherwise described ceilings shall be deemed to be horizontal Steel components All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121 Proprietary suspended ceilings Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations Where electrical light fittings, diffusers, panels etc are units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly 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)				

	Suspension systems Where suspensions of ceilings require a sub-grid, the tenderer should include in his rates for the sub-grid. The design of the sub-grid support is not specified, the tenderer is to obtain the necessary requirements and recommendations for a safe installation from the board and suspension system manufacturer to the satisfaction of the structural engineer. <u>DRYWALL PARTITIONS</u> The contractor shall prepare the floor for the installation of the "Rhino-Drywall" partition system. The system shall be friction fitted or pop-riveted to the top and bottom tracks and covered with wallboard screwed to studding with "Drywall" screws at maximum 220mm centres. The boards shall be butt jointed and finished with "Rhino" tape and "Ready-mix D" jointing compound all in accordance with the manufacturer's guidelines. The base of the entire system shall be protected from external forces using uPVC or polymer skirting. The wall shall be plastered and finished with a suitable primer and the corresponding interior paint or wall paper (measured elsewhere). The contractor shall consult the Engineer's drawing and Specification prior to pricing this item.				
4,1	Partitioning 3.40m high with bottom track plugged and top track fixed to the concrete ceiling	m2	252		
4,2	Plastering on both sides to receive good finish for paint or wall paper, with "Gyproc Rhino-Lite" or similar approved material	m2	252		
	<u>SUSPENDED WOOD SLAT CEILING</u> <u>VIP Café Area</u> Suspended wood slat ceiling. Ceiling to be made of MDF (verneer surface), classic oak (black felt colour) or similar approved. The thickness of the ceiling will be 12mm. Ceiling should not hang more than 400mm from the suspended slab. The ceiling should be suspended using the normal ceiling mounting tracks.				
4,3		m2	45		
	CARRIED FORWARD				
	Dry wall Partitions and Ceiling, etc.				

	BROUGHT FORWARD				
	<u>Main Canteen Counter Area</u>				
4,4	Suspended wood slat ceiling. Ceiling to be made of MDF (verneer surface), classic oak (black felt colour) or similar approved. The thickness of the ceiling will be 12mm. Ceiling should not hang more than 400mm from the suspended slab. The ceiling should be suspended using the normal ceiling mounting tracks.	m2	35		
	<u>CEILING INSULATION</u>				
	<u>Insulation</u>				
4,5	125mm thick Glass wool insulation blanket closely fitted and laid on top of ceiling panels, all in strict accordance with the manufacturer's specifications.	m2	80		
	<u>SUSPENDED CEILING CLOUDS</u>				
	The contractor shall install the appropriate ceiling fixing structure to the concrete ceiling usually metal strings for the suspended ceiling cloud and install the ceiling panels onto the fixing structure. The ceiling panels shall be modified by means of cutting out material to allow for protrusion of downlights, pendant lights, smoke detectors and fire sprinkler nozzles.				
4,6	Ceiling panels to be made of fibreglass or mineral fiber materials. Ceiling panels to be 600x600mm . The shape of the panels to be Hexagon and 15mm thick. The colour of the Hexagon panels must be White .	No	10		
4,7	Ceiling panels to be made of fibreglass or mineral fiber materials. Ceiling panels to be 600x600mm . The shape of the panels to be Hexagon and 15mm thick. The colour of the Hexagon panels must be Pear Green	No	4		
	CARRIED FORWARD				
	Dry wall Partitions and Ceiling, etc.				

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 05</u> <u>IRONMONGERY</u> <u>SECTION NO. 02</u> <u>BUILDING WORKS</u>				
	<u>PREAMBLES</u> NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill. <u>SUPPLEMENTARY PREAMBLES</u> Supplementary preamble items described in Bill No. 1, shall equally apply to this bill. <u>GENERAL NOTES TO TENDERERS</u> General notes, described in Bill No.1, shall equally apply to this Bill. Where ironmongery is described as plugged, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plaster or tiled finish, etc. Proprietary items Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered On request returnable samples are to be provided to the principal agent for consideration Finishes to ironmongery Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:				
	CARRIED FORWARD				
	Ironmongery				

	BROUGHT FORWARD BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AN Anodised natural AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded Rates The tenderer is to price for supply, taking delivery of, storing and fixing of the ironmongery listed below.				
5,1	Curved stainless steel lever handle on rose with 2 lever lock for the new doors	No	5		
5,2	"Yale" keyless push button door lock for existing doors	No	2		
5,3	Floor mounted, non-collision stainless steel magnetic door stops, 3mm thickness	No	9		
5,4	Stainless steel door base protection on new doors, 300mm height, both sides	No	7		
	On Walls and Deck Platform Corners				
5,5	90-degree aluminium corner protector, 2mm thickness installed as per manufactures recommendation and specification.	m	42		
5,6	90-degree aluminum corner protector suitable for fixing in epoxy/vinyl/ceramic, etc. installed as per manufactures recommendation and specification.	m	17		
	CARRIED TO SUMMARY				
	Ironmongery				

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 06</u> <u>CARPENTRY AND JOINERY, ETC.</u> <u>SECTION NO. 02</u> <u>BUILDING WORKS</u>				
	<u>PREAMBLES</u> NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill. <u>SUPPLEMENTARY PREAMBLES</u> Supplementary preamble items described in Bill No. 1, shall equally apply to this bill. <u>GENERAL NOTES TO TENDERERS</u> General notes, described in Bill No.1, shall equally apply to this Bill. Joinery Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc. Descriptions of hardwood joinery shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete. Fixing Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete Decorative laminate finish Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish Timber All softwood to be South African Pine Descriptions				
	CARRIED FORWARD				
	Carpentry and Joinery, etc.				

	BROUGHT FORWARD The term "planted on" shall mean the nailing of one timber member to another The term "screwed on" shall mean the countersunk screwing of one timber member to another. The term "screwed on and pelleted" shall mean the screwing of one timber member to another with the heads of screw sunk and pelleted. The term "plugged" shall mean the countersunk screwing of a timber member to and including plastic plugs in brickwork or concrete. The term "plugged and pelleted" shall mean the screwing of a timber member to and including plastic plugs in brickwork or concrete with heads of screw sunk and pelleted. Shelving, etc. described as screwed to steel must be fixed from underside and prices are to include for countersunk drilling through the steel for screw fixing. Descriptions of floors, ceilings, joinery, etc. shall be deemed to include for all square cutting Descriptions of items given in linear metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc. Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. shall be deemed to include for angles, ends, etc. <u>MAIN CANTEN COUNTERTOPS</u> The countertops shall be custom-made, from Marble or similar approved material with a 30mm thickness. The marble shall have a white colour finish and shall overlap by 300mm in front <u>Left and Right Counters</u> 6,1 Countertop with dimensions 2300x1100x900mm <u>Middle Counter</u> 6,2 Countertop with dimensions 2300x1100x900mm. Cut out a 900x470mm hollow rectangular section to accommodate the heated and refrigerated display units (measured elsewhere), flush with the counter surface				
	CARRIED FORWARD				
	Carpentry and Joinery, etc.				

	BROUGHT FORWARD				
	<u>MAIN CANTEEN COUNTER BODY</u>				
	The counter body shall be custom-made, from Solid wood/ Plywood/ MDF material. The counter shall have a "Melamine, shale oak" finish and have a uniform straight design. The counter cabinets should have provision for storage of catering items for the canteen staff (i.e., dividers, shelves, etc.)				
6,3	Counterbody with dimensions 2300x800x900mm	No	3		
6,4	Wooden slats over the 2300x900mm area, fitted with an LED (cool white) strip illuminating downwards.	No	3		
6,5	Stainless steel or aluminum skirting on the base of the counter (all round) with a height of 90mm	No	3		
	<u>VIP CAFÉ COUNTERTOP</u>				
	The countertops shall be custom-made, from Marble or similar approved material with a 30mm thickness. The marble shall have a white colour finish and shall overlap by 300mm in front				
6,6	Countertop with dimensions 3200x900x1100mm.	No	1		
	<u>VIP CAFÉ COUNTER BODY</u>				
	The counter body shall be custom-made, from Solid wood/ Plywood/ MDF material. The counter shall have a "Melamine, shale oak" finish and have a uniform straight design. The counter cabinets should have provision for storage of catering items for the canteen staff (i.e., dividers, shelves, etc.)				
6,7	Counter body with dimensions 3200x600x1100mm	No	1		
6,8	Wooden slats over the 3200x1100mm area area, fitted with an LED (cool white) strip illuminating downwards.	No	1		
	CARRIED FORWARD				
	Carpentry and Joinery, etc.				

6,9	BROUGHT FORWARD Stainless steel or aluminum skirting on the base of the counter (all round) with a height of 90mm <u>VIP CAFÉ WALL MOUNTED CABINETS</u> The cabinet countertop shall be made of Marble or similar approved material with white finish. The cabinet body shall be made of Solid wood/Plywood/MDF with a Melamine, shale oak finish. The cabinets shall be plugged to the surface of the deck platform. Cabinets with dimensions 2000x600x900mm, with 4 compartments, non-protruding handle design. Cut out a 300x400mm hollow section to accommodate a stainless steel built-in bar sink with dimensions 300x400x180mm bowl, complete with kitchen ECO mixer <u>VIP CAFÉ WALL MOUNTED OVERHEAD SHELVES</u> The shelf shall be made of Solid wood/ Plywood/ MDF with a Melamine, shale oak finish. The shelves shall be mounted on the wall over the cabinets behind the counter Shelve with dimensions 2000x600mm <u>STAINLESS STEEL SHELVING</u> The shelves shall be wall mounted over the preparation benches, sinks, bar fridges in the kitchen Overhead shelf made of stainless steel with dimensions 600mm x300mm <u>WALL BASE SKIRTING</u> The base of the entire wall system shall be protected from external forces using uPVC or polymer skirting. The skirting shall have no more than 20mm thickness and complete with inside and outside corners, ends and straight connectors, as well as other installation accessories	No	1		
6,10		No	1		
6,11		No	3		
6,12		No	18		
	CARRIED FORWARD				
	Carpentry and Joinery, etc.				

	BROUGHT FORWARD				
	<u>On Existing Walls</u>				
6,13	90mm SK90 polymer skirting or simillar approved on existing walls, inside only	m	100		
	<u>On New Partitions/Walls</u>				
6,14	90mm SK90 polymer skirting or simillar approved on existing partitions/walls, both sides where applicable	m	148		
	<u>On Existing Pillars</u>				
6,15	90mm SK90 polymer skirting or simillar approved on existing pillars, all four sides where applicable	m	10		
	<u>On New Pillars</u>				
6,16	90mm SK90 polymer skirting or simillar approved on new pillars, all four sides	m	2		
	<u>On Cold Storage Externals</u>				
6,17	90mm SK90 polymer skirting or simillar approved on cold storage externals sides	m	9		
	CARRIED TO SUMMARY				
	Carpentry and Joinery, etc.				

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 07</u> <u>FLOORING, TILING, ETC.</u> <u>SECTION NO. 02</u> <u>BUILDING WORKS</u>				
	<u>PREAMBLES</u> NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill. <u>SUPPLEMENTARY PREAMBLES</u> Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill. Pricing Prices are to included for the following: Cutting, handling, labour, adhesive etc. Fixing Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat. Ceramic, porcelain, marble and granite tiles are to be fixed, grouted and pointed with suitable adhesives and grouts, as recommended by the Architect. Costs are hereby deemed to include the cost of this requirement. Payment for work that is deemed measurable, in respect of the conditions of contract, and which comprises cutting, leaving, or forming, rectangular holes and notches through tiling is hereby deemed to apply only to holes and notches that do not exceed 600mm girth. Those exceeding 600mm in girth are hereby deemed to be "square cutting", which is hereby deemed to be part of the work description for that type of tiling and is not measurable as a separate item of work. Wastage Tile wastage in excess of 10% will be for the tenderer's account. <u>GENERAL NOTES TO TENDERERS</u> General notes, described in Bill No. 1, shall equally apply to this Bill.				

	Note All scaffolding should be provided by the contractor and no claims/qualifications will be accepted. <u>PU RESIN AND EPOXY HIBU FLOORING</u> The contractor shall remove the existing carpets or laminate (measured elsewhere) on the floor and prepare the floor (including grinding, cleaning and sealing) for the application of several coats of polyurethane-epoxy flake system. Install multi epoxy primer and two coats polyurethane sealer 350-500mic per coat and install the epoxy solvent base to surface for coating with flakes and finish with clear coating.				
7,1	Floor grinding and sealing	m2	510		
7,2	Installation of multi epoxy primer and two coats polyurthane sealer (350-400mic) per coat	m2	510		
7,3	Application of multi-epoxy primer and installation of epoxy solvent base to surface for coating, with N43 pipeline grey colour complete with "Basalt" flakes or simillar approved, clear coating with slip resistant properties.	m2	510		
	<u>WALL TILES</u> 400 x 250 x 11.5mm Thick non-slip porcelain tiles (P.C allowance of R 350.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing in waterproof cementetious grout				
7,4	Splashback in the main kitchen area	m2	14		
7,5	Splashback in the utensil and crock room	m2	8		
7,6	Splashback in the VIP café area	m2	6		
	CARRIED TO SUMMARY				
	Flooring, Wall Tiling, Etc.				

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 08</u> <u>PAINT WORK AND WALLPAPER, ETC.</u> <u>SECTION NO. 02</u> <u>BUILDING WORKS</u>				
	<u>PREAMBLES</u> NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill. <u>SUPPLEMENTARY PREAMBLES</u> Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill. <u>GENERAL NOTES TO TENDERERS</u> General notes, described in Bill No. 1, shall equally apply to this Bill. <u>PAINTWORK TO EXISTING WORKS</u> Prepare and apply one coat merit universal undercoat and one coat Super Acrylic PVA paint or similar approved, painted White and Pear green. The contractor to consult the Specification prior to pricing this item <u>Walls and Pillars</u>				
8,1	On existing walls and pillars, painted white	m2	230		
8,2	On pillars, painted pear green	m2	3		
	Prepare and apply one coat merit universal undercoat and one coat Super Acrylic PVA paint or similar approved for metal surfaces, painted White and Anthracite grey <u>Window Frames</u>				
8,3	800x1300mm windows with an average thickness of 55mm, painted Anthracite grey	No	28		
	CARRIED FORWARD				
	Paintwork and Wallpaper, Etc.				

	BROUGHT FORWARD				
	<u>Top and Bottom Trunking</u>				
8,4	Top and bottom trunking, painted white	m2	81		
	<u>PAINTWORK TO NEW WORKS</u>				
	Prepare and apply one coat merit universal undercoat and two coats Super Acrylic PVA paint or similar approved, painted White and Pear green. The contractor to consult the Specification prior to pricing this item				
	<u>New Walls and Pillar</u>				
8,5	On new plastered wall, painted white	m2	432		
8,6	On new plastered wall, painted pear green	m2	56		
8,7	On new pillar, painted white	m2	7		
	<u>On door frames</u>				
8,8	For five standard door with dimensions, 813 x2032mm and one custom 1200x2032mm opening, painted white	No	6		
	<u>WALLPAPER</u>				
	<u>Main Counter Area</u>				
8,9	Install over-the-wall, "1210-5 Octagon textured faux concrete" wallpaper that comes in a 0.53m x 10.05m roll.	m2	29		
	<u>VIP Cafe area</u>				
8,10	Install over-the-wall, "10318-14 Evolution Carrara" wallpaper that comes in a 0.53m x 10.05m roll. Consideration shall be made to temporarily remove the trunking over the application wall	m2	50		
	CARRIED TO SUMMARY				
	Paintwork and Wallpaper, Etc.				

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 09</u> <u>SIGNAGES</u> <u>SECTION NO. 02</u> <u>BUILDING WORKS</u>				
	<u>CUSTOM 3D ACRYLIC LED SIGNAGE</u> The contractor shall supply, install, and handover to the client, a complete 3D acrylic LED illuminated letters. The letters shall be printed on a brushed ACP panel with dimensions 1000x250mm with a thickness of less than 8mm. The panel shall be hang to two metal strings suspended from the ceiling attached to the ACP. Complete installation including wiring and connection to the power supply.				
9,1	Custom 3D Acrylic LED edge illuminated black letters 8mm thick, 100mm high, written "ARMSCOR CANTEEN"	No	1		
	<u>CUSTOM INFORMATION SIGNS</u> The contractor shall supply, install, and handover to the client, a complete custom information signage. The letters shall be printed on a brushed silver ACP panel with 150mm maximum width and text-dependent length. The panel shall be mounted to the walls, wooden structures, etc as directed by Armscor Project Manager.				
	<u>Panel Written/Printed</u>				
9,2	CANTEEN STAFF ONLY	No	2		
9,3	CANTEEN ENTRANCE	No	1		
9,4	CANTEEN STAFF AND DELIVERY ENTRANCE	No	1		
9,5	MAIN KITCHEN	No	1		
9,6	VIP CAFÉ	No	1		
9,7	KITCHEN OFFICE	No	1		
	CARRIED FORWARD				
	Signages				

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 10</u> <u>PLUMBING AND DRAINAGE - PROVISIONAL</u> <u>SECTION NO. 02</u> <u>BUILDING WORKS</u>				
	<u>PREAMBLES</u> NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill. <u>SUPPLEMENTARY PREAMBLES</u> Supplementary preamble items described in Bill No. 1, shall equally apply to this bill. uPVC pipes and fittings: Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings uPVC pressure pipes and fittings: Pipes for water supply shall be of the class stated Excavations: No claim for excavation in material other than "earth" will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling, and has obtained, in writing , authorised classification thereof. "Intermediate material" and " hard rock" shall be as defined in "Earthworks". Quantities of all excavations, carting away excavated material and backfilling are calculated on the nett extent to be formed, or filled, in accordance with drawings and specifications, and the Contractor is to allow in his prices for any bulking. Classes of excavation shall be as S.A.B.S 1200D clause 3.1.2. Similar Approved				

	Vaal Sanitaryware "Hibiscus" vitreous china basin with three semi-punched holes tap holes, including integrated overflow, including chain stay hole through the centre semi-punched tap hole, supplied with plug and chain, hung to walls (PC allowance of R450.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing WATER CLOSET Similar Approved Vaal Sanitaryware "Daisy" semi-close coupled water closet comprising double flap heavy duty thermoplastic seat rim pan and matching 9 litre cistern complete with lid, fitments and flush pipe elbow (PC allowance of R2 800.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing WC, installed complete URINALS Similar Approved Vaal Sanitaryware "Lavatera" vitreous china wall hung urinal with top inlet including 38mm chrome plated domical grating, including Cobra "Junior Flushmaster" exposed chrome plated flush valve, including offset urinal flush pipe, chrome plated bottle trap and parallel nipple (PC allowance of R4 950.00/no excludes V.A.T. but includes delivery to site), includes supply and fixing Urinal, installed complete TOILET ROLL HOLDER 130 x 560 x 130mm mild steel vandal proof Toilet paper roll holder (Colour: White), plugged and screwed to walls SOAP DISPENSER 110 x 170 x 35mm high plastic Soap dispenser (Colour: White and transparent), with lever button and pump, plugged and screwed to wall PAPER TOWEL DISPENSER 360 x 380 x 240mm high lockable auto-cut (reflex) plastic Paper towel dispenser (Colour: White), plugged and screwed to wall				
10,1		No	4		
10,2		No	4		
10,3		No	4		
	CARRIED FORWARD				
	Plumbing and Drainage - Provisional				

	BROUGHT FORWARD				
	<u>COLD AND HOT WATER SUPPLY</u>				
	The contractor shall modify the existing plumbing system to accommodate the cold and hot water supply to the single bowl sinks, triple bowls sinks, built in bar sink and the commercial dishwasher. The installation shall include preparation to lay down the pipes, interconnection with existing water supply, geyser installation including electrical termination, connection of pipes and sheet metal covers and all accessories required to ensure a fully functional system. The contractor shall consult the Engineer's drawing and specifications prior to pricing this item				
	<u>Geyser</u>				
10,4	350L geyser installed as per SANS 10254	No	1		
	<u>Stainless steel sinks and mixer walls</u>				
10,5	Triple preparation sink forged bowl 2300x650x900mm	No	2		
10,6	Single preparation sink forged bowl 1700x650x900mm	No	2		
10,7	Sink mixer walls	No	6		
10,8	Overhead pre-rinse spray with mixer taps	No	2		
	<u>Flow meter</u>				
10,9	Flow meter with pulse output or similar approved	No	1		
	<u>Piping System</u>				
	The cold and hot water piping system shall have all the fittings and isolating valves, as well as suitable insulation and/or protection cladding. The pipes shall be Class II copper pipes, 22mm and 15mm diameter where applicable.				
10,10	Provide the sum of R120 000.00 (One Hundred and Twenty Thousand Rands) for the modification of internal water supply system		Item		
	CARRIED FORWARD				
	Plumbing and Drainage - Provisional				

	BROUGHT FORWARD <u>DRAINAGE</u> The contractor shall modify the existing plumbing and waste or drainage system to accommodate for the drainage from the gullies, single bowl sinks, triple bowls sinks, built in bar sink and the commercial dishwasher. The installation shall include preparation to lay down the waste pipes and the drainage gullies, interconnection with existing wastewater piping system to ensure a fully functional system. The contractor shall ensure that the correct was pipes including the fittings are compatible with the existing system, usually a 50mm waste pipe and 50mm to 110mm connection set. The contractor shall consult the Engineer's drawing and specifications prior to pricing this item				
10,11	Provide the sum of R68 000.00 (Sixty Eight Twenty Thousand Rands) for the modification of internal plumbing system, for drainage and wastewater <u>TESTING AND COMMISSIONING</u> Test and commission the entire water supply and drainage system after modification to ensure a fully functional system. This commissining shall include structured training to employees nominated by the Client <u>AS-BUILT DRAWINGS, MANUALS, ETC.</u> Prepare general arrangement drawings, process flow diagram and any other required drawings, together with the operating and maintenance manuals, Certificate of Conformances, warranty and guarantee documents all to be submitted to Armscor Project Manager for approval	Item			
10,12		Item			
10,13		Item			
	CARRIED TO SUMMARY				
	Plumbing and Drainage - Provisional				

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION 02 SUMMARY</u>				
	<u>BUILDING WORKS</u>				
1,0	<u>DEMOLITION AND ALTERATIONS</u>				
2,0	<u>MASONRY</u>				
3,0	<u>PLASTERING</u>				
4,0	<u>DRYWALL PARTITIONS AND CEILING, ETC.</u>				
5,0	<u>IRONMONGERY</u>				
6,0	<u>CARPENTRY AND JOINERY, ETC</u>				
7,0	<u>FLOORING, TILING, ETC</u>				
8,0	<u>PAINT WORK AND WALLPAPER, ETC</u>				
9,0	<u>SIGNAGES</u>				
10,0	<u>PLUMBING AND DRAINAGE - PROVISIONAL</u>				
11,0	<u>PROVISIONAL SUMS</u>				
	SUB-TOTAL 1				
	CARRIED FORWARD				
	Section Summary				

	BROUGHT FORWARD				
	<u>CONTINGENCY ALLOWANCE</u>				
	Allow for R200 000.00 (Two Hundred Thousand Rands) for contingency under this section. To be accessed on Work Authorisation basis				
	SUB-TOTAL 2				
	CARRIED TO FINAL SUMMARY				

SECTION 03

FIRE PROTECTION AND MECHANICAL INSTALLATION

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 01</u> <u>FIRE PROTECTION EQUIPMENT</u> <u>SECTION NO. 03</u> <u>FIRE AND MECHANICAL INSTALLATIONS</u>				
	<u>FIRE HOSE REEL</u> The contractor shall supply and install the fire hose reel complete with shut off nozzle, chromium plated stopcock and wall bracket. All applicable fire signages shall be installed next to the equipment.				
1,1	25mm diameter, 30m plastic hose fire hose reel	No	2		
	<u>FIRE EXTINGUISHERS</u> The contractor shall supply and install the fire extinguishers complete with painted backing board 600mm, J wall brackets and fire signage				
1,2	9kg dry chemicals type 2	No	3		
1,3	9L foam	No	3		
1,4	9kg carbon dioxide	No	2		
1,5	9L wet chemicals	No	2		
	<u>FIRST AID KIT</u> The contractor shall supply and install regulation 7 wall mounted first aid kit. All applicable signages shall be installed next to the equipment				
1,6	Regulation 07, first aid kit	No	3		
	CARRIED TO SUMMARY				
	Fire Protection Equipment				

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 02</u> <u>FIRE SPRINKLER SYSTEM - PROVISIONAL</u> <u>SECTION NO. 03</u> <u>FIRE AND MECHANICAL INSTALLATIONS</u>				
	<u>PIPING SYSTEM</u> Galvanised mild steel threaded piping, including all fittings, anchors, bolts, rods and other supports necessary to modify the existing sprinkler system. The pipes shall match the existing coating, heavy epoxy red coating. The contractor shall consult the Engineer's drawing and specification prior to pricing this item				
2,1	40mm diameter pipes	m	15		
	<u>SPRINKLERS</u> Installation of 68 degrees drooping type automatic spraying sprinkler	No	5		
	<u>CONNECTIONS TO EXISTING SPRINKLER SYSTEM</u> The contractor shall modify the existing fire sprinkler system to accommodate the new wall partitions to ensure that each partitioned section have provision for adequate fire suppressant during an emergency. The connections shall protrude to fixtures such as ceiling, partitions, etc.				
2,3	Provide the sum of R100 000.00 (One Hundred Thousand Rands) for the modification of the fire sprinkler system		Item		
	CARRIED FORWARD				
	Fire Sprinkler System - Provisional				

	BROUGHT FORWARD				
2,4	<u>TESTING AND COMMISSIONING</u> Test and commission the entire fire protection piping system after modification to ensure a fully functional system. This commissioning shall include structured training to employees nominated by the Client		Item		
2,5	<u>AS-BUILT DRAWINGS, MANUALS, ETC.</u> Prepare general arrangement drawings, process flow diagram and any other required drawings, together with the operating and maintenance manuals, Certificate of Conformances, warranty and guarantee documents all to be submitted to Armscor Project Manager for approval		Item		
2,6	<u>FIRE INSPECTION</u> Allow for the registration with either ASIB/City of Cape Town or similar approved authorities certifying that the modification is as per the required local regulations.		Item		
	CARRIED TO SUMMARY				
	Fire Sprinkler System - Provisional				

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 03</u> <u>HEATING, VENTILATION AND AIR CONDITIONING (HVAC)</u> <u>SECTION NO. 03</u> <u>FIRE AND MECHANICAL INSTALLATIONS</u>				
	<u>EXTRACTOR CANOPIES</u> The contractor to install the v-bank extractor canopies over the kitchen cooking equipment area, mounted to the cement ceiling or supported by the constructed pillar (P4). The contractor shall install another extraction canopy over the industrial pass-through dishwasher. The extractor canopies shall come as a complete unit including all ducting and its accessories. The contractor to consult the Engineer's drawing and specifications prior to pricing this item				
	<u>Main kitchen extraction</u>				
3,1	4000x2400x600 Stainless Steel V-Bank	No	1		
3,2	Type extractor canopy C/W Xgrease cups, 12 x filters and 4x light (divided into 2 modules of 2000 x 1200 x600	No	9		
3,3	600 x500 90 degrees bends	No	2		
3,4	600 x600 45 degrees bends	No	2		
3,5	600 x 600-710Ø square to round	No	1		
3,6	710Ø silencers	No	1		
3,7	710Ø silencers 3kW 4P 380V Axial Fan	No	1		
3,8	710Ø Blow Off	No	1		
	<u>Pass-through dishwasher extraction</u>				
3,9	Provide the sum of R75 000.00 (Seventy Five Thousand Rands) for the suitable extraction system as above		Item		
	CARRIED FORWARD				
	Heating, Ventilation and Air Conditioning (HVAC)				

	BROUGHT FORWARD				
	<u>AIR CONDITIONING UNITS</u>				
	The contractor shall install the split air-conditioning units, Inverter heat pump type, R410 refrigerant, to specification tested and installed. Including all necessary refrigerant, refrigerant, piping, condensate piping, trunking, electrical connections control wiring, HARD WIRED REMOTE CONTROLLER unit, strut brackets, mounting accessories etc., to ensure a fully functioning system. The contractor to consult the Engineer's drawing and specification prior to pricing this item				
	<u>Staff Change Rooms and Kitchen Office</u>				
3,10	9000BTU split AC as per the Engineer's specification	No	2		
	<u>4-Way Cassette Units Indoor</u>				
	VIP CAFÉ AREA				
3,11	12300BTU unit as per the Engineer's specification	No	1		
	MAIN CANTEEN AREA				
3,12	25000BTU unit as per the Engineer's specification	No	3		
	<u>4-Way Cassette Units Outdoor</u>				
3,13	22HP outside unit as per the Engineer's specification	No	1		
	<u>WALL FANS</u>				
	The contractor shall install the wall industrial oscillating fans in specified locations. The fan shall be wall mounted, complete with 900mm lead cord, wall mounts, intelligent touch key switch.				
3,14	Industrial wall fan 450mmø, 6-8 speed settings	No	10		
	<u>TESTING AND COMMISSIONING</u>				
	Test and commission the entire HVAC system after modification to ensure a fully functional system. This commissioning shall include structured training to employees nominated by the Client		Item		
	CARRIED FORWARD				
	Heating, Ventilation and Air Conditioning (HVAC)				

	BROUGHT FORWARD				
	<u>AS-BUILT DRAWINGS, MANUALS, ETC.</u> Prepare general arrangement drawings, process flow diagram and any other required drawings, together with the operating and maintenance manuals, Certificate of Conformances, warranty and guarantee documents all to be submitted to Armscor Project Manager for approval		Item		
	<u>AFTER SALE SUPPORT</u> Prepare a 24 months costed service plan, document signed by the OEM or accredited agent. Otherwise, the contractor shall prepare his/her own costed service plan		Item		
	<u>GENERAL</u> Any additional material or equipment not listed above, needed to ensure a fully functional system (Addendum required with description and costs breakdown).		Item		
	CARRIED TO SUMMARY				
	Heating, Ventilation and Air Conditioning (HVAC)				

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 04</u> <u>LIQUEFIED PETROLEUM GAS SYSTEM</u> <u>SECTION NO. 03</u> <u>FIRE AND MECHANICAL INSTALLATIONS</u>				
	<u>LPG SYSTEM</u> The contractor shall construct the LPG cylinder housing outside of the catering facility and drill the wall for access to the kitchen to allow gas supply utilising the specified pipelines and fittings. The supply pipeline shall utilise the constructed pillar (P4) coming down to the gas appliances connected by a quick disconnect gas hoses. The contractor shall consult the Engineer's drawing and specification prior to pricing this item.				
4,1	<u>Cylinder Chamber</u> Mild steel cage of dimensions :1500x450x1300mm. The sides of the cage must be covered with expanded metal, with a Dove grey, dual coat matt finish. The cage is to be wall mounted and fitted with a lockable door.	No	1		
4,2	<u>Gas Cylinders</u> 48 Kg Standard gas cylinders with 5/8" BSP (nominal). Pressure tested and filled with LPG.	No	4		
4,3	<u>Regulator System</u> Automatic change-over regulator system. Double stage with a minimum pressure output of 2.5 Kpa and a maximum pressure of 3.7 Mpa. The system shall be complete with pressure gauge, pig tails or flexible connections and non-return valve	No	1		
	CARRIED FORWARD				
	Liquefied Petroleum Gas System				

	BROUGHT FORWARD				
	<u>Smart Gas Meter or simillar approved</u>				
4,4	Ultrasonic smart gas meter or simillar approved . The maximum pressure of the gas meter is 50 Kpa with a flow rate of 0.016 - 6m3/h. Working temperature will be -25 deg. Cels to 50 deg. Cels. The connections must be compatible with the main piping system.	No	1		
	<u>Mobile Gas Connector Gas Kit</u>				
4,6	Mobile gas connector hose kit. The hose kit must have a yellow PVC coating , quick disconnect type , 72" in length and 3"/4 in diameter. Complete with isolation valve and elbow as well as a restraining device	No	4		
	<u>Piping System</u>				
4,7	Provide the sum of R90 000.00 (Ninety Thousand Rands) for a rigid piping system made of copper or stainless steel with an operating pressure of 10KPa. Complete with emergency shut-off valve and all fittings.		Item		
	<u>TESTING AND COMMISSIONING</u>				
4,8	Test and commission the entire LPG system after installation to ensure a fully functional system. This commissining shall include structured training to employees nominated by the Client		Item		
	<u>AS-BUILT DRAWINGS, MANUALS, ETC.</u>				
4,9	Prepare general arrangement drawings, process flow diagram and any other required drawings, together with the operating and maintenance manuals, Certificate of Comformances, warranty and guarantee documents all to be submitted to Armscor Project Manager for approval		Item		
	CARRIED FORWARD				
	Liquefied Petroleum Gas System				

	BROUGHT FORWARD				
	<u>AFTER SALE SUPPORT</u> Prepare a 24 months costed service plan, document signed by the OEM or accredited agent. Otherwise, the contractor shall prepare his/her own costed service plan		Item		
	<u>GENERAL</u> Any additional material or equipment not listed above, needed to ensure a fully functional system (Addendum required with description and costs breakdown).		Item		
	CARRIED TO SUMMARY				
	Liquefied Petroleum Gas System				

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION 03 SUMMARY</u>				
	<u>FIRE AND MECHANICAL INSTALLATION</u>				
1,0	<u>FIRE PROTECTION EQUIPMENT</u>				
2,0	<u>FIRE SPRINKLER SYSTEM - PROVISIONAL</u>				
3,0	<u>HEATING, VENTILATION AND AIR CONDITIONING</u>				
4,0	<u>LIQUEFIED PETROLEUM GAS SYSTEM</u>				
	SUB-TOTAL 1				
	<u>CONTINGENCY ALLOWANCE</u>				
	Allow for R100 000.00 (One Hundred Thousand Rands) for contingency under this section. To be accessed on Work Authorisation basis				
	SUB-TOTAL 2				
	CARRIED TO FINAL SUMMARY				

SECTION 04

ELECTRICAL WORKS

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 01</u> <u>ELECTRICAL DISTRIBUTION BOARD</u> <u>SECTION NO. 04</u> <u>ELECTRICAL WORKS</u>				
	<u>ELECTRICAL DB</u> All devices shall be wired accordingly on the DB using appropriate bus-bars and cables. The power supply for New DB shall be connected to the existing main DB. DB shall be labelled accordingly for traceability of electrical circuits. Additional cables for bridging and connection purposes on new DB and existing will be required. All devices shall be connected on the DB. If there is a space on the existing DB some of the devices may be connected on it. All devices shall be SABS approved. The contractor shall reference the Engineer's drawing prior to pricing this item				
1,1	Supply, deliver and install IP55 Mild Steel Enclosures - Double Door (H) x 1100(W) x 205(D) mm (4 x 24 Way DB) next to the existing DB	No	1		
1,2	Supply, deliver and install Surge Protection Devices 1 Pole plus Neutral with Indication	No	5		
1,3	Surge Protection Devices 3 Pole plus Neutral with Indication	No	4		
1,4	Supply, deliver and install 3 PHASE CIRCUIT BREAKER - 415 Vac, 50 A, 3 kA Curve 3	No	5		
1,5	3 PHASE Circuit Breaker - 240 Vac, 50 A, 3 kA Curve 3	No	10		
	CARRIED FORWARD				
	Electrical Distribution Board				

	BROUGHT FORWARD				
1,6	Supply, deliver and install Circuit breaker 1Pole 16A 2.5 kA	No	4		
1,7	Supply, deliver and install Circuit breaker 1Pole 20A 2.5 kA	No	4		
1,8	Supply, deliver and install 1 phase+N earth leakage with overload protection - 240 Vac, 3kA, 30mA, 63A	No	6		
1,9	3 phase+N earth leakage with overload protection - 415 Vac, 6 kA, 30mA, 80A	No	2		
1,10	Supply, deliver and install Main switch with adjustable settings, rated for 100 to 800 A, ideal for applications in small to medium sized buildings Molded-case circuit breakers (MCCB), rated from 16 to 630 A, ideal for applications in small to medium-sized buildings. Encapsulated double break roto technique ensures outstanding current limiting capability. High electrical / mechanical endurance for enhanced service life. Single accessory reference for different functions – on/off, trip and fault trip, Separate electrical fault indication for ease of fault diagnosis, Class 2 front face, Locking in off position, Suitable for Isolation, Breaking capacity 25kA to 50kA, Ics = 100% Icu. TMD, MA, Microprocessor trip units (LSOI protection 400 & 630A).	No	1		
	CARRIED TO SUMMARY				
	Electrical Distribution Board				

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 02</u> <u>ISOLATORS</u> <u>SECTION NO. 04</u> <u>ELECTRICAL WORKS</u>				
	<u>ISOLATORS</u> Wiring shall be in PVC conduits pipes and/trunking from DB to isolator, where necessary wiring may be done by utilising existing trunking in the building. Electrical accessories such as glands, PVC couplings, screws, insulation tapes, and wall plug nail in anchor expansion bolt anchor nails, and clamps will be required for electrical wiring or installation. All electrical wiring or installations shall be conducted as per electrical installation drawing.				
2,1	Supply, deliver and install 3P Pole panel mount isolator switch - 40A Maximum Current, 18.5kW Power Rating, IP65	No	4		
2,2	5 Core Power Cable, 10 mm ² , 50m Armoured PVC Sheath - 1000, 600V (64A)	No	2		
2,3	Supply, deliver and install 3P Pole panel mount isolator switch - 20A Maximum Current, 6.5kW Power Rating, IP65 with 5 Core Power Cable, 10 mm ² , 30 m Armoured PVC Sheath - 1000, 600V (64A). Appropriate trunking shall be use for electrical wiring, where necessary existing trunking may be utilised.	No	1		
2,4	Supply, deliver and install 1P Pole panel mount isolator switch - 20A Maximum Current, 6.5kW Power Rating, IP65 with 2 Core+E Power Cable, 2.5 mm ² , 100m, Black CPE Sheath - 30A, 450V, 750V. Appropriate trunking shall be use for electrical wiring, where necessary existing trunking may be utilised.	No	2		
	CARRIED TO SUMMARY				
	Isolators				

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 03</u> <u>LIGHTS</u> <u>SECTION NO. 04</u> <u>ELECTRICAL WORKS</u>				
	<u>Electrical 5ft double LED fitting</u> Covers and LED tubes are for existing installed light fittings in the canteen/workshop.				
3,1	Supply, deliver and install 5ft double led fitting diffuser cover	No	20		
3,2	Supply, deliver and install T8 5ft double led Tubes	No	10		
	<u>LED Downlights</u> the downlight shall be installed as per ceiling and integrated LED downlight drawing on A1, A2, A3 and A4.				
3,3	Supply, deliver and install 24W LED ceiling downlight (Aluminum & Polycarbonate, White, Cool white and Diameter: 165mm)	No	15		
	<u>1 LEVER SWITCH</u> 1 switch shall be used to control LED downlights of A1, A2 and A3 while another switch shall control LED downlights of A4, refer to the ceiling and integrated LED downlight Planview				
3,4	Supply, deliver and install 1 lever switch	No	2		
3,4	Metal extension box (4x2)	No	2		
	CARRIED FORWARD				
	Lights				

	BROUGHT FORWARD				
	<u>POWER CABLE</u>				
3,5	Supply, deliver and install 2 Core+E Power Cable, 1.5 mm², 300 m. Wiring of electrical cables to switches and LED downlights shall be made with PVC conduits pipe 20 mm. Electrical accessories such as glands, PVC couplings, screws, insulation tapes, and wall plug nail in anchor expansion bolt anchor nails, and clamps will be required for electrical wiring or installation. Existing trucking may be used for wiring where necessary.	No	1		
	<u>Pendants Lights</u>				
	The contractor to consult the Engineer's drawings prior to pricing this item to get an estimate of lights locations, etc.				
	<u>VIP CAFÉ AREA</u>				
3,6	Supply, deliver and install archer black and natural wood pendant light (Height: 315mm, Diameter: 100mm and Globe: E27).	No	3		
3,7	Supply, deliver and install 1 lever switch with metal extension box (4x2) that be used to control Pendants lights.	No	1		
3,8	Supply, deliver and install 2 Core+E Power Cable, 1.5 mm², 150 m. Wiring of electrical cables to switches and Pendants lights shall be made with PVC conduits pipe 20 mm. Electrical accessories such as glands, PVC couplings, screws, insulation tapes, and wall plug nail in anchor expansion bolt anchor nails, and clamps will be required for electrical wiring or installation. Existing trucking may be used for wiring where necessary.	No	1		
	CARRIED FORWARD				
	Lights				

	BROUGHT FORWARD				
	MAIN CANTEEN COUNTER AREA				
3,6	Supply, deliver and install archer black and natural wood pendant light (Height: 315mm, Diameter: 100mm and Globe: E27).	No	6		
3,7	Supply, deliver and install 1 lever switch with metal extension box (4x2) that be used to control Pendants lights.	No	1		
3,8	Supply, deliver and install 2 Core+E Power Cable, 1.5 mm², 150 m. Wiring of electrical cables to switches and Pendants lights shall be made with PVC conduits pipe 20 mm. Electrical accessories such as glands, PVC couplings, screws, insulation tapes, and wall plug nail in anchor expansion bolt anchor nails, and clamps will be required for electrical wiring or installation. Existing trucking may be used for wiring where necessary.	No	1		
	CARRIED TO SUMMARY				
	Lights				

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 04</u> <u>SOCKET OUTLETS</u> <u>SECTION NO. 04</u> <u>ELECTRICAL WORKS</u>				
	<u>SOCKETS OUTLETS</u> Wiring shall be in PVC conduits pipes from DB to socket outlets, where necessary wiring may be done by utilising existing trunking in the building. Electrical accessories such as PVC couplings, screws, insulation tapes, and wall plug nail in anchor expansion bolt anchor nails, and clamps will be required for electrical wiring or installation. All electrical wiring or installations shall be conducted as per electrical installation drawing. The contractor to consult the Engineer's drawings prior to pricing this item to get an estimate of sockets locations, etc.				
4,1	Supply, deliver and install Double switched socket outlet white - 250 Vac, 16 A, IP20	No	18		
4,2	Supply and deliver metal extension box (4x4)	No	18		
4,3	Supply, deliver and install 2 Core+E Power Cable, 2.5 mm ² , 100m, Black CPE Sheath - 30A, 450V, 750V	No	5		
4,4	Supply, deliver and install PVC conduit pipes 4m 20mm	No	25		
	CARRIED TO SUMMARY				
	Socket Outlets				

Item No		Unit	Quantity	Rate	Amount
5,1	<u>BILL NO. 05</u> <u>SMOKE DETECTORS AND CCTV CAMERAS</u> <u>SECTION NO. 04</u> <u>ELECTRICAL WORKS</u>	No	14		
	<u>SMOKE DETECTORS</u> Supply, deliver and install safety long-life battery-operated smoke detector as per the Engineer's specification				
5,2	<u>CCTV CAMERAS</u> Supply, deliver and install CCTV kits with 4 cameras, 8 channel with 8 analogue (wired) and 2 digital (Wi-Fi/wireless) channels as per the Engineer's specification	No	1		
	CARRIED TO SUMMARY				
	Smoke Detectors and CCTV Cameras				

Item No		Unit	Quantity	Rate	Amount
6,1	<u>BILL NO. 06</u> <u>TESTING, DRAWINGS AND MANUALS</u> <u>SECTION NO. 04</u> <u>ELECTRICAL WORKS</u>				
	<u>TESTING AND COMMISSIONING</u> Test and commission the entire electrical installation after to ensure a fully functional system. This commissining shall include structured training to employees nominated by the Client		Item		
	<u>AS-BUILT DRAWINGS, MANUALS, ETC.</u> Prepare general arrangement drawings, process flow diagram and any other required drawings, together with the operating and maintenance manuals, Certificate of Comformances, warranty and guarantee documents all to be submitted to Armscor Project Manager for approval		Item		
6,2					
6,3	<u>GENERAL</u> Any additional material or equipment not listed above, needed to ensure a fully functional system (Addendum required with description and costs breakdown).		Item		
	CARRIED TO SUMMARY				
	Testing, Drawings and Manuals				

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO. 07</u> <u>PROVISIONAL SUMS</u> <u>SECTION NO. 04</u> <u>ELECTRICAL WORKS</u>				
7,1	Provide the sum of R10 000.00 (Ten Thousand Rands) for making good finish to any affected areas under this section.		Item		
7,2	Provide the sum of R5 000.00 (Five Thousand Rands) for earthing and lightning protection installation by Specialist		Item		
7,3	Provide the sum of R20 000.00 (Twenty Thousand Rands) connection to existing electrical installations		Item		
	CARRIED TO SUMMARY				
	Provisional Sums				

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION 04 SUMMARY</u>				
	<u>ELECTRICAL WORKS</u>				
1,0	<u>ELECTRICAL DISTRIBUTION BOARD</u>				
2,0	<u>ISOLATORS</u>				
3,0	<u>LIGHTS</u>				
4,0	<u>SOCKET OUTLETS</u>				
5,0	<u>SMOKE DETECTORS AND CCTV CAMERAS</u>				
6,0	<u>TESTING, DRAWINGS AND MANUALS</u>				
7,0	<u>PROVISIONAL SUMS</u>				
	SUB-TOTAL 1				
	<u>CONTINGENCY ALLOWANCE</u>				
	Allow for R100 000.00 (One Hundred Thousand Rands) for contingency under this section. To be accessed on Work Authorisation basis				
	SUB-TOTAL 2				
	CARRIED TO FINAL SUMMARY				

FINAL SUMMARY

ARMSCOR BOQ – CONSTRUCTION MAIN WORKS

Section		Pages	Amount
2,0 3,0 4,0	<u>FINAL SUMMARY:</u> <u>ARMSCOR BOQ: CONSTRUCTION - MAIN WORKS</u>		
	<u>GENERAL BUILDING WORKS</u>		
	<u>MECHANICAL WORKS</u>		
	<u>ELECTRICAL WORKS</u>		
	SUB-TOTAL		
	VALUE ADDED TAX (VAT) @15%		
	FINAL OFFER		
	<u>NOTE:</u> TRANSFER THE FINAL OFFER OF BOQ: CONSTRUCTION MAIN WORKS TO THE KD17 PRICING SCHEDULE TABLE		

ANNEXTURE F:

BILL OF QUANTITIES (BOQ): CATERING EQUIPMENT

Procurement of off-the-shelve equipment.

1. PREAMBLE

ITEM NO.	Equipment Description	Unit	Qty	Rate	Total
1.1	This requirement is for the procurement of catering equipment to be installed in the canteen. The requirement usually follows an RFQ process but it is feasible to procure them through an RFB for this tender due to installation purposes.				
1.2	The canteen shall be handed over to the client as a complete, functional and ready to operate system.				
1.3	The successful bidder shall consider procuring the catering equipment after successful completion of the construction phase.				
1.4	The equipment may not be purchased if the contractor foresees delays or risks in completing the construction phase. The procurement period shall be well aligned with the construction schedule.				
1.5	The successful bidder shall request labour or installation from the OEM or accredited agent for certain off-the-shelve equipment such as industrial pass through dishwasher, cold and freezer rooms.				
1.6	Should the successful bidder wishes to handle the installation themselves, they must follow the OEM guidelines, applicable standards, and industry best practices.				
1.7	Equipment or appliances warranties, operational and maintenance manuals should be required on the purchase order.				
1.8	The successful bidder will be required to cease all the warranties and manuals of all equipment or appliances purchased.				

1.9	The client will allocate its own personnel for quality assurance purposes to determine the extent to which the equipment supplied conforms to the specifications listed in this BOQ.				
1.10	Possible equipment non-conformances are faulty equipment, incorrect equipment, incomplete order, over-priced equipment, non-submission of supporting documents (manuals, COC, calibration certificates, warranties, etc.) among others. The successful bidder will not be compensated if the non-conformances are not addressed timely.				
	CARRIED TO FINAL SUMMARY				

2. MAIN KITCHEN

ITEM NO.	Equipment Description	Unit	Qty	Rate	Total
1.1	PEDESTAL MOUNTED TILTING ELECTRIC PAN Power: 15kW Capacity: 80L Electric supply: 400V, 3 phase, 38A Material: Grade 304 Stainless Steel Dimensions: 1380x860x1240mm	No	1		
1.2	ANVIL 3 PLATE STOVE WITH OVEN – GAS Output: 61 900 BTU - 18kW Dimensions: 1046 x 780 x 900mm Fuel – LPG Gas Burners: 3 Material: Heavy duty full Stainless Steel construction Features: Removable drip tray beneath stove top and Removable top plates and Automatic flame failure safety device	No	1		

1.3	FLAT TOP GRILL ANVIL - GAS Output: 12500 Btu Fitted with stand Dimensions: 400 x 525 x 275mm	No	1		
1.4	ANVIL FISH FRYER – GAS Capacity: 20lt Output: 90 000 Btu Dimensions: 400x765x910mm Splashback: 210mm	No	1		
1.5	BAKEMARK RX6D 6 TRAY CONVECTION OVEN Output: 9kW Dimensions: 910 x 1370 x 890mm high Power supply: 380V, 3 Phase + N Trays: (x6) 600 x 400mm Material: 201 non-magnetic stainless steel. Temperature range: 90 ~ 300°C Features: Bi-directional fan, heavy duty door handle, tempered glass doors, timer	No	1		
1.6	UNDERBARS SERVICE FRIDGE THREE AND HALF DOORS Capacity: 853 litres Coolant gas: R290 Start-up current: 4.56A Running Current: 2.47A Consumption: 3.84kW/24hrs Dimensions: 2415x910x790mm	No	2		
1.7	STAINLESS STEEL TABLE WITH SPLASH BACK SB150 Dimensions: 1200x650x915mm	No	5		
1.8	AVENIA SEMI COMMERCIAL MICROWAVE Capacity: 25L	No	1		

	Power: 1000W Voltage: 240V at 50Hz				
1.9	TOASTER AVENIA – 4 SLICES Power: 2.24kW timer integrated Voltage: 230V Dimensions: 370x210x225mm Weight: 4kg	No	1		
1.10	TOASTER SANDWICH ANVIL PANINI (DELUXE), NON-STICK Power: 1.97kW Voltage; 230V Cooking Surface: 330x355mm Weight: 11kg	No	1		
1.11	INSERT FOR BAINE MAIRE Dimensions: 320x320x48mm Material: Stainless steel	No	10		
1.12	Chafing dish rectangular without window – 10lt	No	6		
1.13	Stew pans (varying sizes suitable for commercial restaurants)	No	5		
1.14	Pots (varying sizes suitable for commercial restaurants)	No	6		
1.15	Dinner plates white – uniform shape	No	220		
1.16	Table bowls white	No	85		
1.17	Table forks – stainless steel	No	220		
1.18	Table knives - stainless steel	No	220		
1.19	Tablespoon - stainless steel	No	220		
1.20	Teaspoon - stainless steel	No	85		
1.21	Coffee mug white – 450ml	No	85		
1.22	Dine glass transparent - 340ml	No	200		
	CARRIED TO FINAL SUMMARY				

3. CROCK AND UTENSIL WASH

ITEM NO.	Equipment Description	Unit	Qty	Rate	Total
1.1	Pot rack s/steel - floor standing - 1200x600x1450mm	No	1		
1.2	Anox s/steel dirties table - 1050x650x900mm	No	1		
1.3	Dish rack open bowl – 500x500x100mm	No	3		
1.4	Dish rack all-purpose/plate - 500x500x100mm	No	3		
1.5	Dishwashing rack cutlery holder - 500x500x100mm	No	3		
1.6	4 tier dishwasher rack stand - 550 x550 x900mm – s/steel	No	1		
1.7	Dishwasher inlet table with pre-rinse bowl - 1100 x620 x910mm	No	1		
1.8	Dishwasher outlet table - 900 x620 x910mm	No	1		
1.9	P500A-16 PASS THROUGH DISHWASHER WITH RINSE BOOSTER PUMP 630mm (w) x720mm (d) x1990mm (h) Rack size: 500mm ² Drain size: Ø40mm Water supply connection: 3/4" Water pressure: 2 bar Water flow rate: 11l/min Total power: 9.32kW - 380-415AC/50/3N Noise level: less than 70dB Delivery and installation 12 months warranty <i>All related plumbing work (sinks, etc.) is covered under construction BOQ.</i>	No	1		
	CARRIED TO FINAL SUMMARY				

4. MEAT AND VEGETABLE FREEZER AND COLD ROOMS

ITEM NO.	Equipment Description	Unit	Qty	Rate	Total
1.1	COMPLETE VEGETABLE COLD ROOM (TEMP: 3°C) Dimensions: 2.4 x 2.4 x 2.4m Insulation: 60mm thick injected Polyurethane Wall/Roof Panels: Chromadek 60mm injected Polyurethane Condenser Unit Complete: 800mm x 505mm x 400mm Blower Coil: 1380mm x 570mm x 480mm Includes all angles & strip Delivery and installation as per the Engineer's Drawing <u>DRA-GB-001</u> 12 months warranty The contractor to outsource or perform their own installation.	No	1		
1.2	COMPLETE MEAT COLD ROOM (TEMP: 3°C) Dimensions: 2.4 x 1.2 x 2.4m Insulation: 60mm injected Polyurethane Wall/Roof Panels: Chromadek 60mm injected Polyurethane Condenser Unit Complete: 490mm x 750mm x 405mm Blower Coil: 820mm x 570mm x 480mm H Includes all angles & strips Delivery and installation as per the Engineer's Drawing <u>DRA-GB-001</u> 12 months warranty The contractor to outsource or perform their own installation.	No	1		
1.3	COMPLETE MEAT FREEZER ROOM (TEMP: -18°C) Dimensions: 2.4 x 2.4 x 2.4m	No	1		

	Insulation: 80mm thick injected Polyurethane Wall/Roof Panels: Chromadek 80mm injected Polyurethane Floor: 80mm Polyurethane (Chromadek + Plywood + Galvanised) Other: Pressure release valve Condenser Unit Complete: 800mm x 505mm x 400mm Blower Coil: 1380mm x 570mm x 480mm H Includes all angles & strips Delivery and installation as per the Engineer's Drawing <u>DRA-GB-001</u> 12 months warranty The contractor to outsource or perform their own installation.				
	CARRIED TO FINAL SUMMARY				

5. CANTEEN COUNTER

ITEM NO.	Equipment Description	Unit	Qty	Rate	Total
1.1	SALVADORE UPRIGHT DOUBLE SLIDING DOOR BEVERAGE COOLER Dimensions: 1140x805x2020mm Shelves: 8 Capacity: 893 Litres Voltage: 220/50Hz Cooling type: forced air Refrigerant: R134a		2		
1.2	DISPLAY UNIT HEATED SALVADORE – COUNTERSUNK 70L Dimensions: 900x470x680mm		1		

	Voltage: 230V Power: 0.28kW Integrated light: LED illuminated. Material: Grade 304 stainless steel interior Tempered glass				
1.3	REFRIGERATED DISPLAY UNIT SALVADORE – COUNTERSUNK 70L Dimensions: 900x470x680mm Voltage: 230V Power: 0.28kW Integrated light: LED illuminated. Material: Grade 304 Stainless Steel interior Tempered glass 2-8 degrees Celsius temperature range		1		
1.4	AVENIA COFFEE MACHINE WITH 2.2LT FLASK Power: 1900W Dimensions: 214x468x350mm Control type: mechanical. Voltage: 220-240V at 50/60Hz		1		
1.5	G-800 SD cash register – 240V, 50/60Hz		3		
1.6	Keter plus stock shelve black – 90x40x182cm		4		
1.7	Tyla Nook Chair – cement colour L48xW48xH86 cm		3		
	CARRIED TO FINAL SUMMARY				

6. VIP CAFÉ AREA

ITEM NO.	Equipment Description	Unit	Qty	Rate	Total
1.1	FULLY AUTOMATIC ESPRESSO MACHINE Boiler capacity: 3L boiler Weight: 12lt Element: 2kW Voltage: 220V	No	1		

	Dimensions: 670x620x540mm				
1.2	COFFEE MACHINE – AVENIA Power: 21.1kW Output: 18lt /144 cups per hour Brewing time: 2.2lt in 7 min Voltage: 230V	No	1		
1.3	Double juice dispenser - 8L	No	1		
1.4	Ambient display cabinet salvadore Dimensions: 920 x330 x315mm	No	1		
1.5	Eames 3002G Bar Stool - White 540 x 540 x 1085mm	No	3		
1.6	Juno velvet 3-seater couch - forest green	No	1		
1.7	replica kendall velvet chair - metal and velvet – green	No	2		
1.8	Anaya coffee table – Oatmeal Dimensions: 790x790x450mm	No	1		
1.9	Tyla Nook Chair – cement colour Dimensions: 480x480x860 mm	No	1		
	CARRIED TO FINAL SUMMARY				

7. MAIN DINING AREA

ITEM NO.	Equipment Description	Unit	Qty	Rate	Total
1.1	ROUND FOLDING TABLE Colour: white Diameter: 150cm Static load capacity: 50kg	No	20		
1.2	BB2 PLASTIC CHAIR Colour: White	No	80		

	Legs – Aluminum silver anodized				
1.3	BB2 PLASTIC CHAIR Colour: light or pear green Legs – Aluminum silver anodized	No	80		
1.4	Abstract wall art - Black & Grey Modern Abstract Wall Art Set 45x60cm (set of 3) – No Frame	No	1		
1.5	Abstract wall art - Lithography for the Fourth Bauhaus Portfolio by Wassily Kandinsky 100x100cm – Black frame	No	1		
	CARRIED TO FINAL SUMMARY				

8. KITCHEN OFFICE

ITEM NO.	Equipment Description	Unit	Qty	Rate	Total
1.1	Angled desk, oak – 135x60x73cm	No	1		
1.2	Mi-ergo seattle mid back-office chair	No	1		
1.3	PHILIPS VALUE 18.5-INCH MONITOR FHD TFT SmartContrast VGA VESA Voltage: 220V Power: 15.85W	No	1		
1.4	Rickstacker office chair - no arms 82x45x56cm	No	1		
1.5	Steel office filling cabinet 4 drawer file – 130x47x63cm	No	1		
	CARRIED TO FINAL SUMMARY				

9. SERVICE EQUIPMENT

ITEM NO.	Equipment Description	Unit	Qty	Rate	Total
1.1	Spectra yellow plastic bucket and wringer - 36L	No	2		
1.2	Bin trolley with wheels - in-house refuse/waste - 377L	No	2		
1.3	MAC AFRIC PALLET TROLLEY/TRUCK Capacity: 2 ton Fork length: 1m Handle length: 700mm Ground clearance: 75mm Total height: 1.17m	No	1		
1.4	Small black bussing and transport cart Capacity: 136 kg	No	1		
1.5	Shelf stock picking trolley s/steel - Capacity: 260kg	No	1		
	CARRIED TO FINAL SUMMARY				

10. STAFF CHANGE ROOMS

ITEM NO.	Equipment Description	Unit	Qty	Rate	Total
1.1	Nam coats stand – 176.5 x 35 x35cm	No	1		
1.2	Steel locker 2 tier - 2 doors – Grey (180 x30 x45cm)	No	6		
1.3	Addis Stella Chair - Black (430 x 460 x 790mm)	No	3		
1.4	12 hook apron stand/hanger – 170 x 245 x 510mm	No	1		
	CARRIED TO FINAL SUMMARY				

11. GROCERY, PANTRY, AND DAY STORE

ITEM NO.	Equipment Description	Unit	Qty	Rate	Total
1.1	Model: GS305: 5 tier galvanized shelving Dimensions: 920x305x1920mm	No	11		
	CARRIED TO FINAL SUMMARY				

12. REFUSE AREA

ITEM NO.	Equipment Description	Unit	Qty	Rate	Total
1.1	Wheelie mobile refuse bin, black (240L)	No	5		
	CARRIED TO FINAL SUMMARY				

13. FINAL SUMMARY

ITEM NO.	Equipment Description	Unit	Qty	Rate	Total
1.1	MAIN KITCHEN				
1.2	CROCK AND UTENSIL WASH				
1.3	MEAT AND VEGETABLE FREEZER AND COLD ROOMS				
1.4	CANTEEN COUNTER				
1.5	VIP CAFÉ AREA				
1.6	MAIN DINING AREA				
1.7	KITCHEN OFFICE				
1.8	SERVICE EQUIPMENT				
1.9	STAFF CHANGE ROOMS				
1.10	GROCERY, PANTRY, AND DAY STORE				
	Sub-total				

	VAT @15%				
	FINAL SUMMARY	FINAL OFFER			

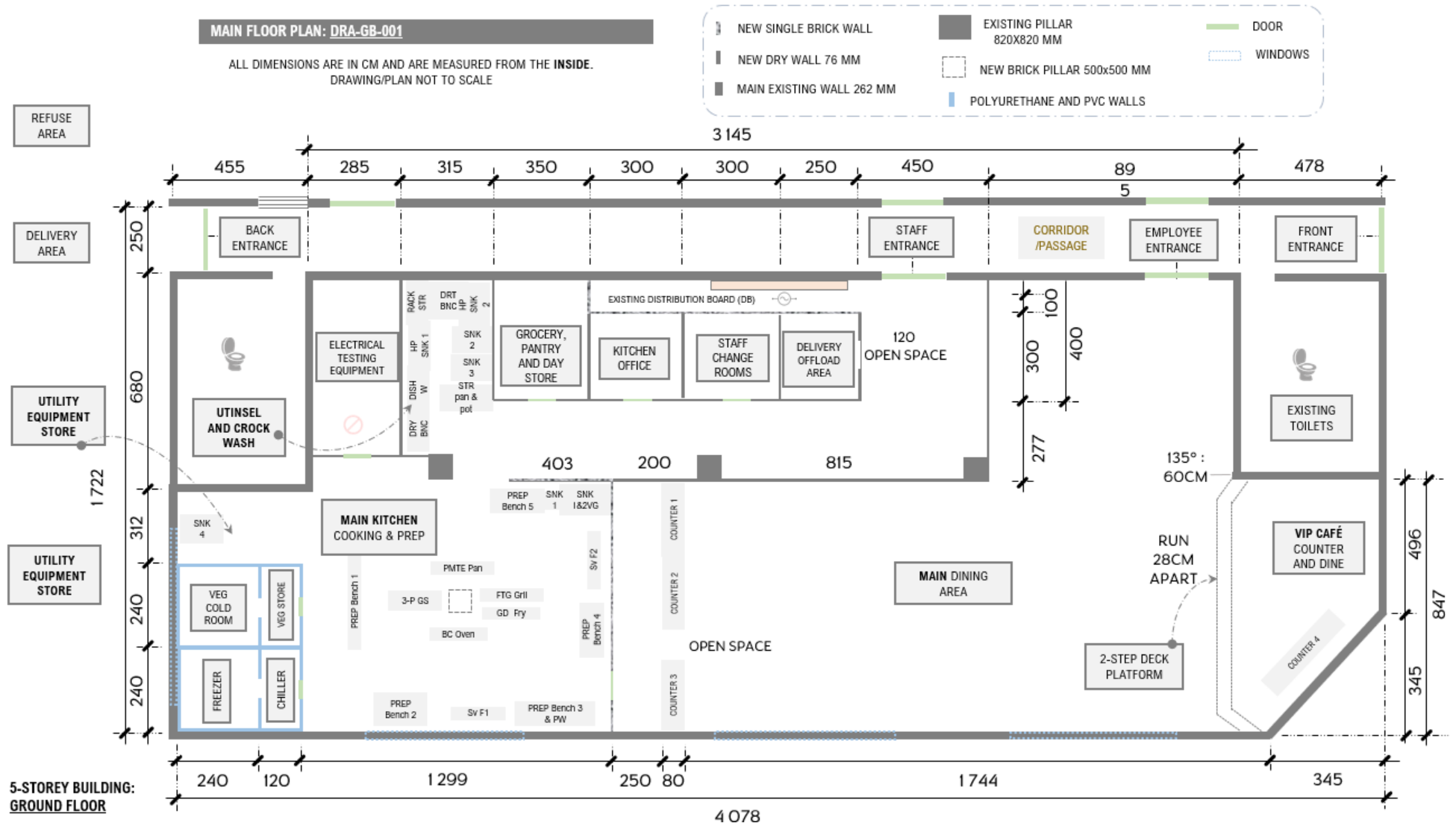
NOTE: TRANSFER THE TOTAL OF **ARMSCOR BOQ: CATERING EQUIPMENT** EXCLUDING VAT TO THE **KD17 PRICE SCHEDULE TABLE.**

ANNEXTURE G:

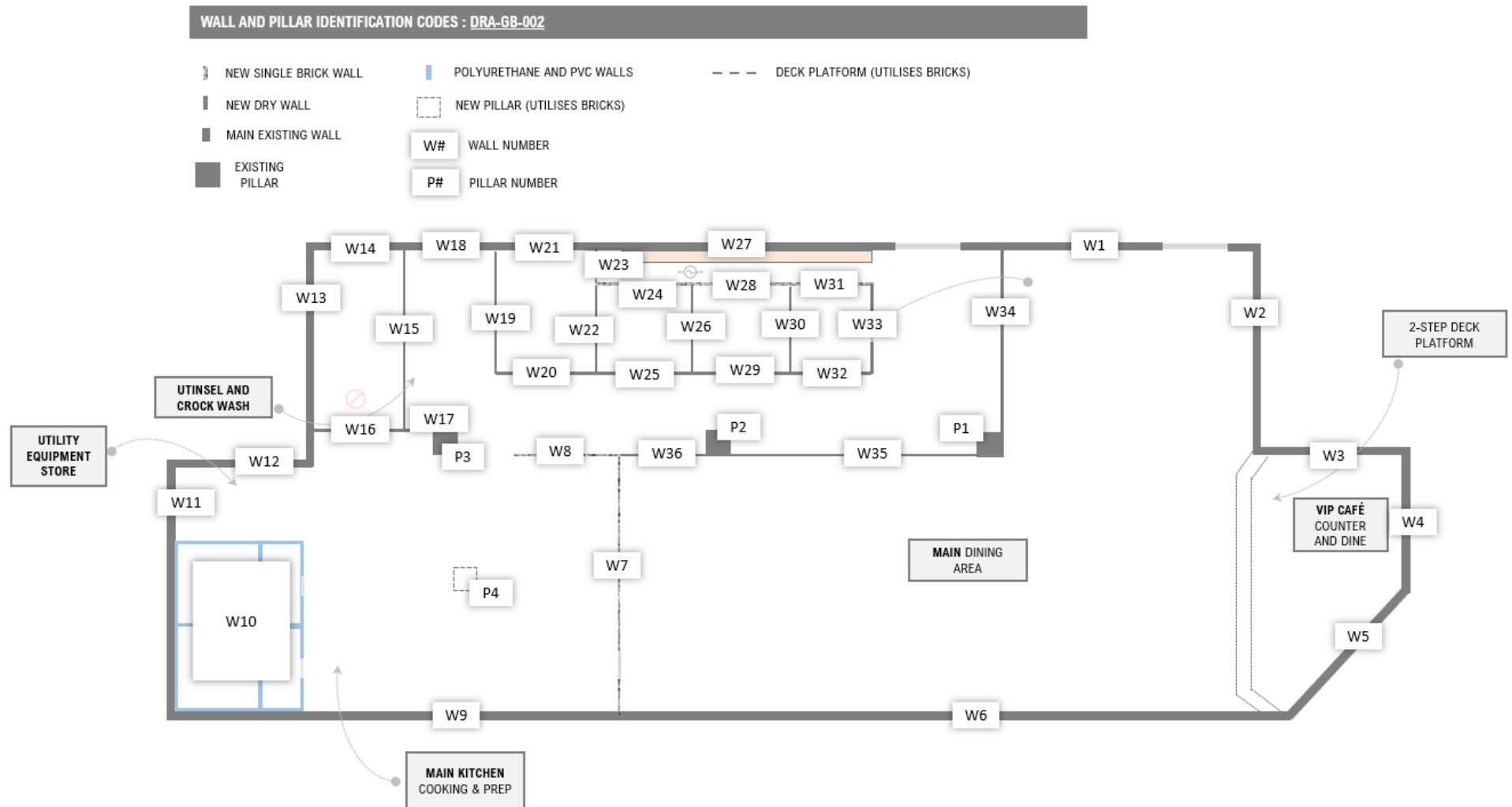
SUPPORTING DRAWINGS

(Schematics for General Building, Mechanical and Electrical Works)

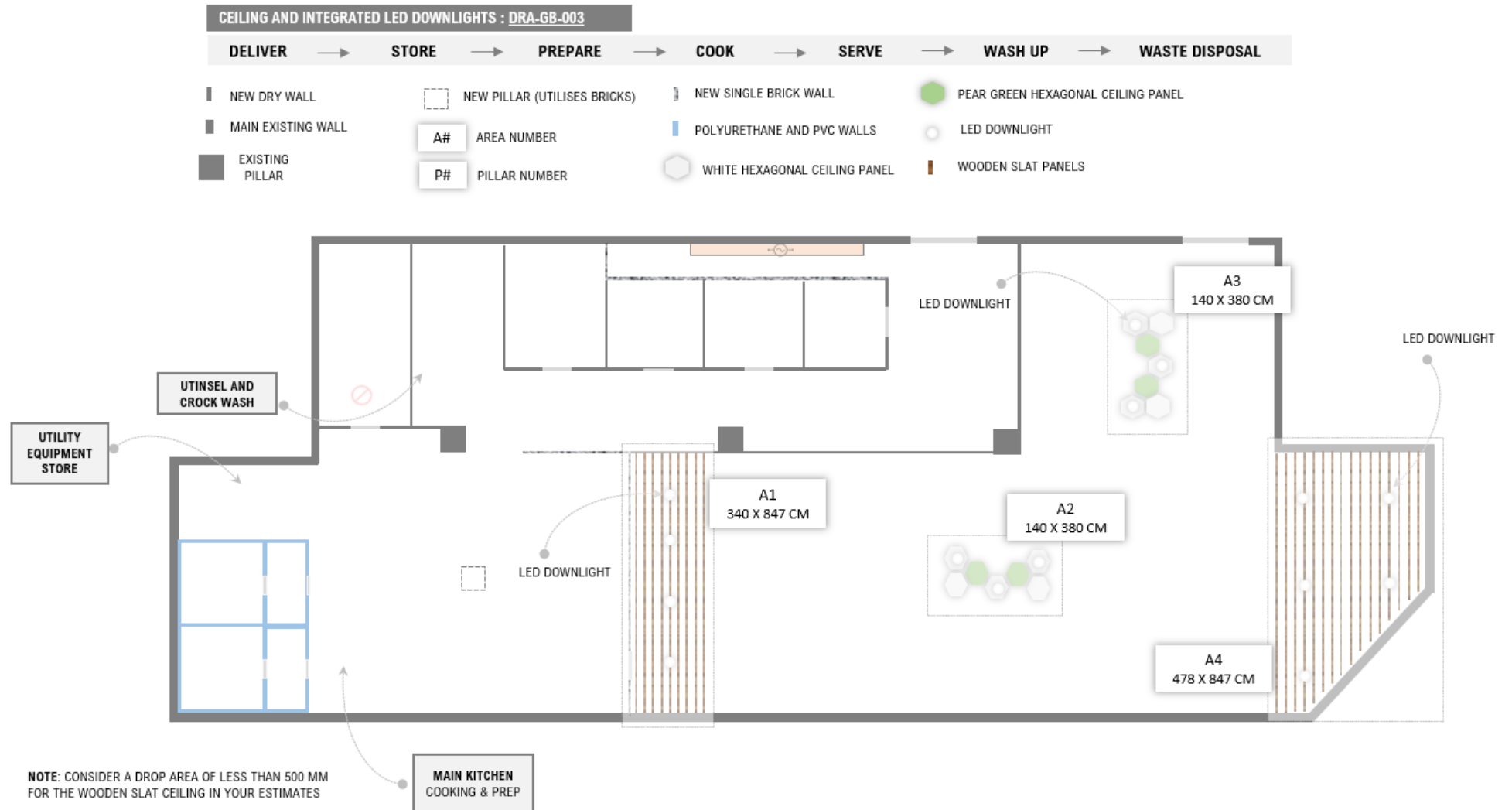
1. DRA-GB-001: MAIN PLAN – WITH NEW PARTITIONS



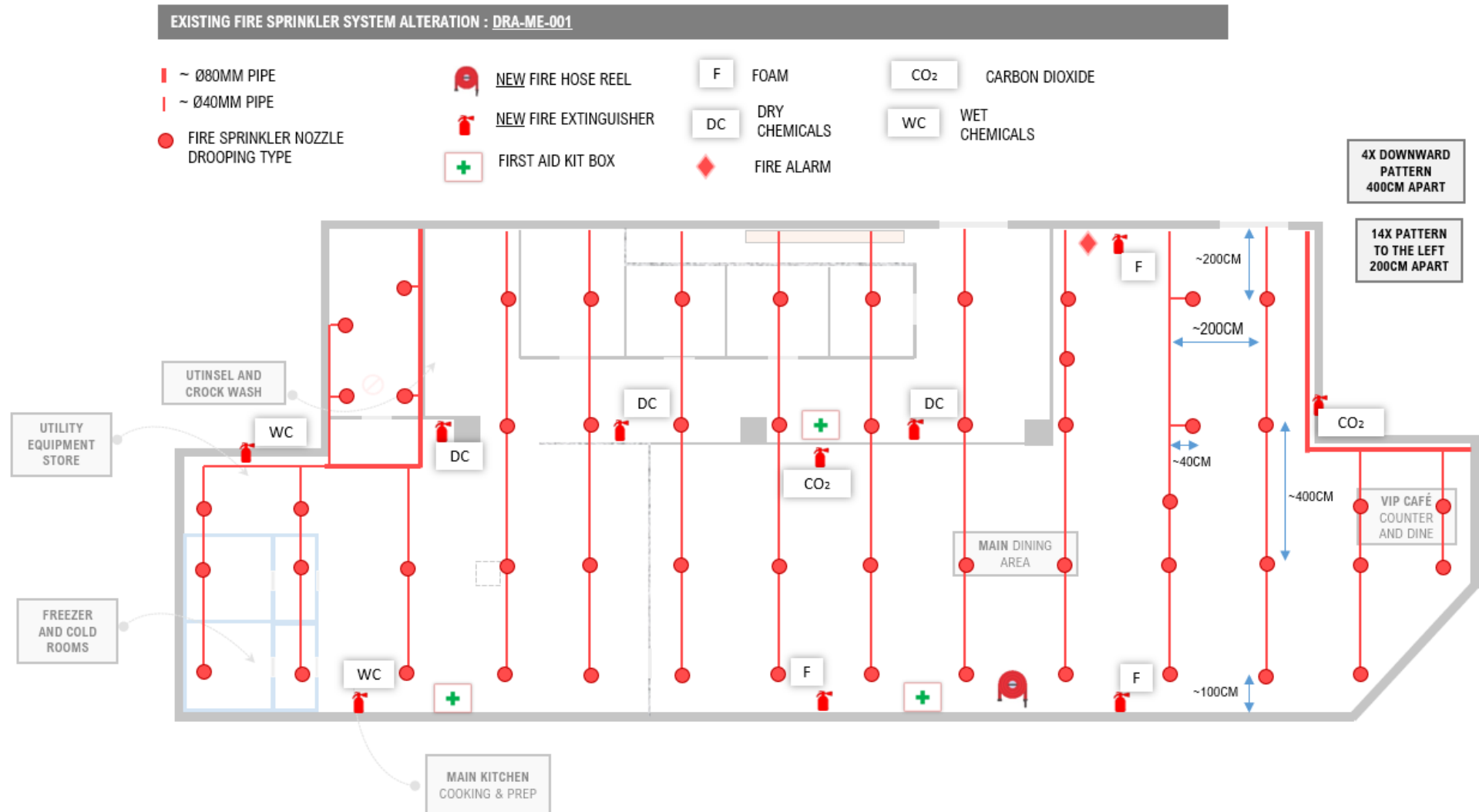
2. DRA-GB-002 : WALL IDENTIFICATION CODES



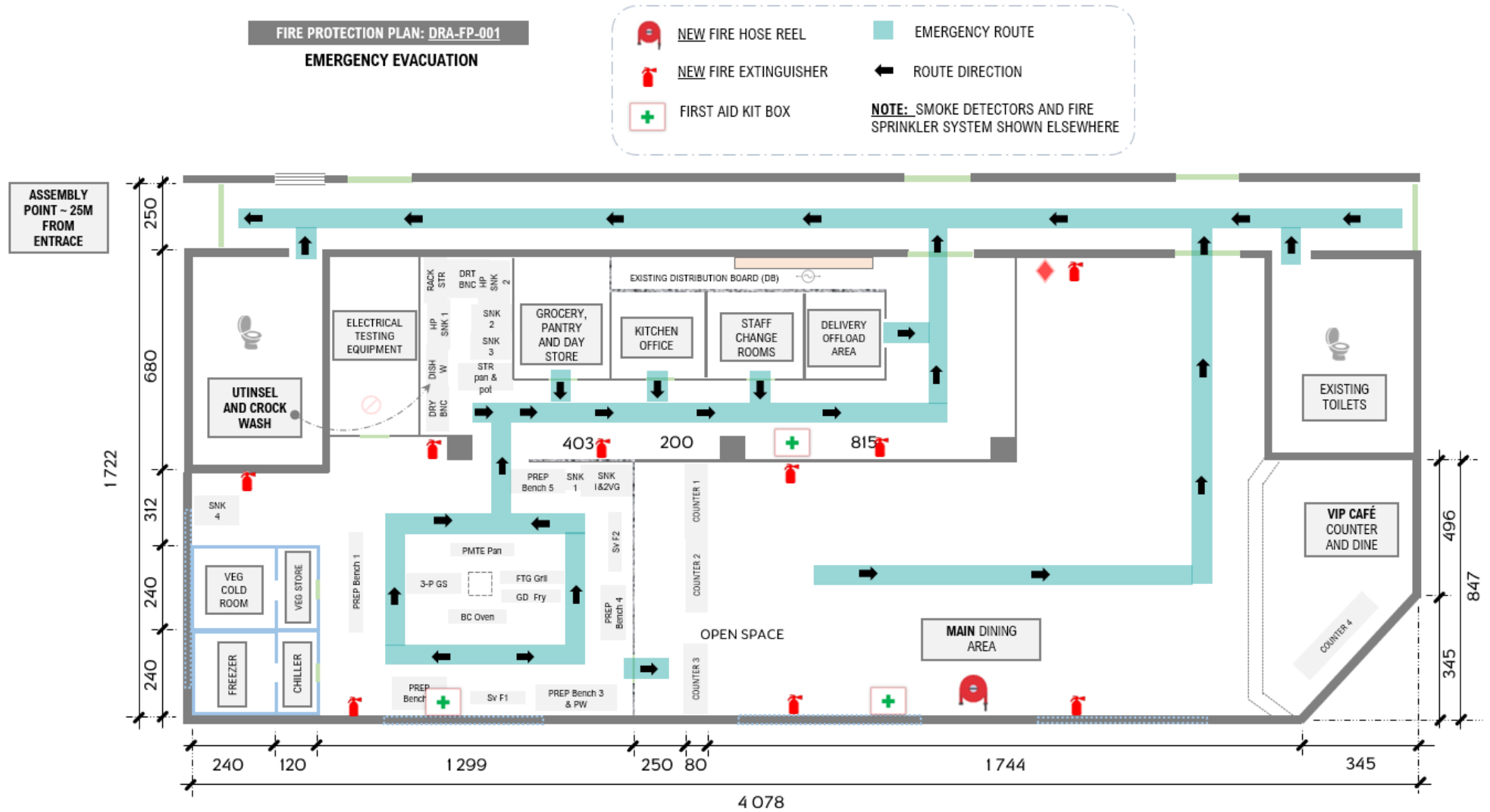
3. DRA-GB-003 : CEILING



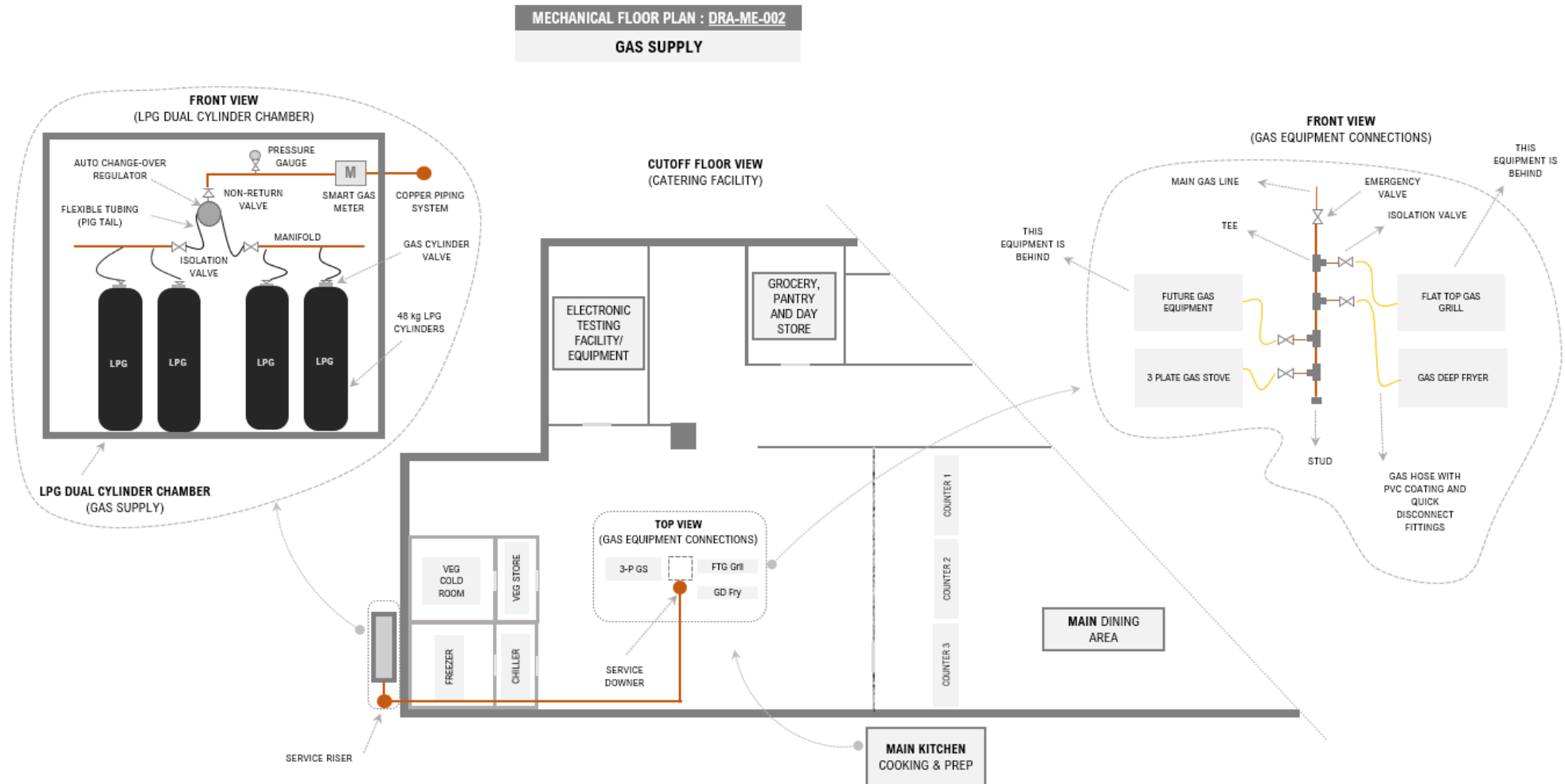
4. DRA-ME-001 : FIRE PROTECTION



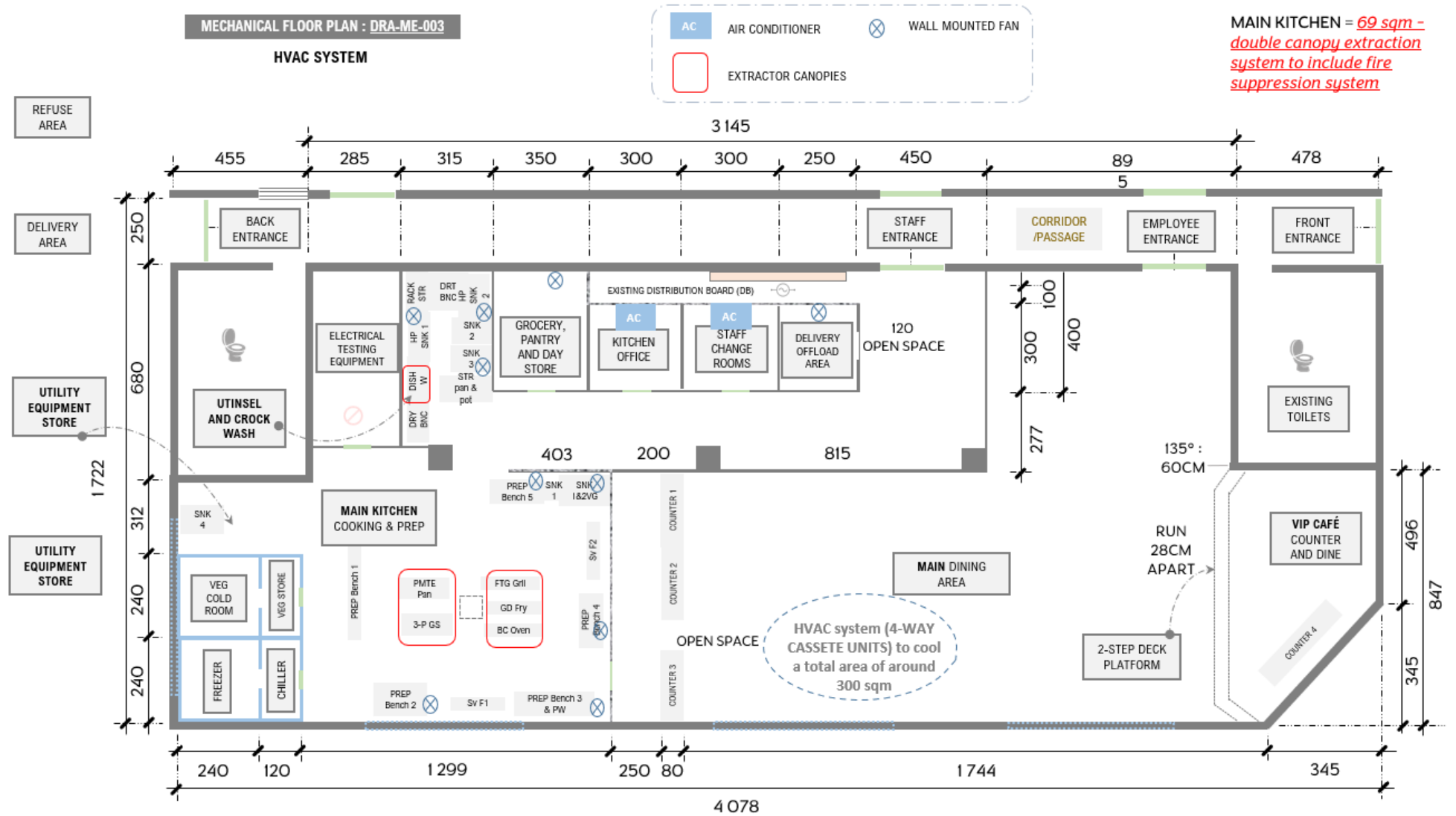
5. DRA-FP-001 : FIRE PROTECTION PLAN



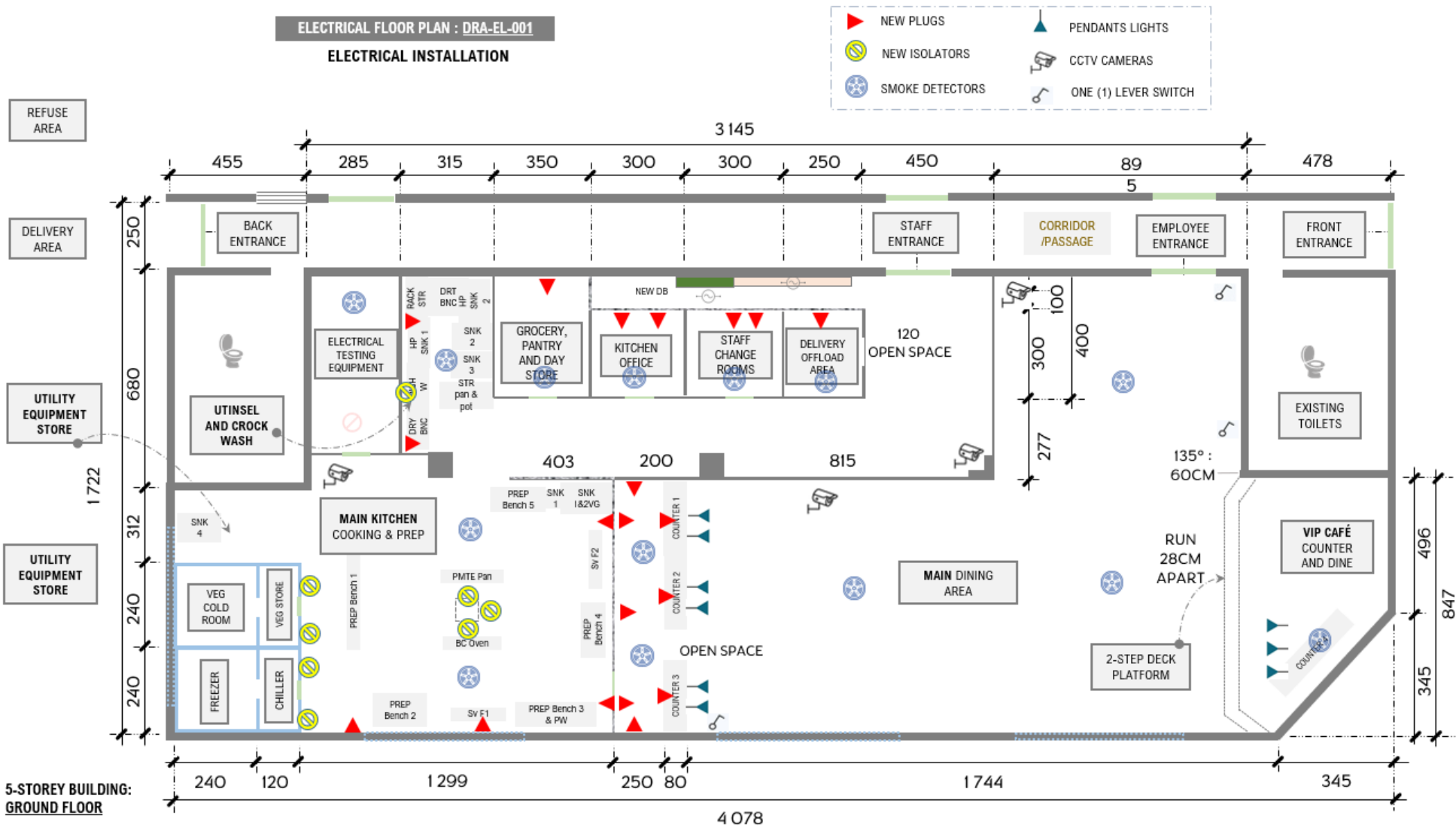
6. DRA-ME-002 : GAS SUPPLY



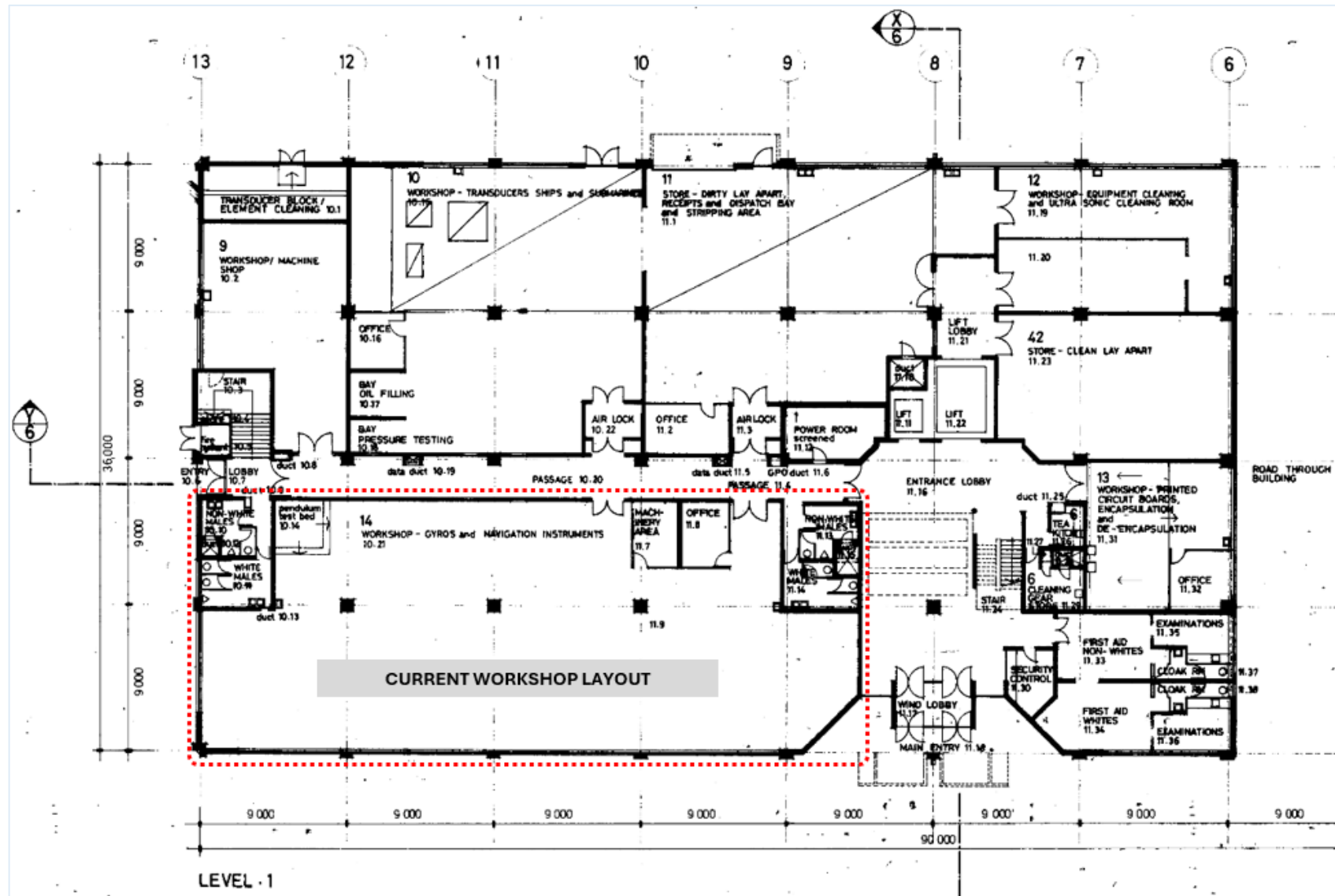
7. DRA-ME-003 : HVAC SYSTEM



8. DRA-EL-001 : ELECTRICAL



9. DRA-GB-000 : CURRENT LAYOUT – WITHOUT PARTITIONS



10. CATERING EQUIPMENT DESCRIPTIONS

MAIN KITCHEN EQUIPMENT DESCRIPTION AS SHOWN IN DRA-GB-001

PREP Bench 1 – STAINLESS STEEL PREPARATION BENCH/TABLE 1
PMTE Pan– PEDESTAL MOUNTED TILTED ELECTRIC PAN
FTG Gril –FLAT TOP GAS GRILLER AND STAND
3-P GS – 3 PLATE GAS STOVE
GD Fry – GAS DEEP FRYER
BC Oven – 6 TRAY BAKERY CONVECTION OVEN AND STAND
PREP Bench 2 - STAINLESS STEEL PREPARATION BENCH/TABLE 2
Sv F1 – UNDERBAR SERVICE FRIDGE 3 AND ½ DOORS/ 1
PREP Bench 3 & PW - STAINLESS STEEL PREPARATION BENCH/TABLE 3 AND PLATE WARMER
Sv F2 - UNDERBAR SERVICE FRIDGE 3 AND ½ DOORS/ 2
PREP Bench 4 – STAINLESS STEEL PREPARATION BENCH/TABLE 4
Sv F3 - UNDERBAR SERVICE FRIDGE 3 AND ½ DOORS/ 3
SNK 1 – VEGETABLE SPRAY-WASH SINK 1
SNK 2 – VEGETABLE SPRAY-WASH SINK 2
PREP Bench 5 – STAINLESS STEEL PREPARATION BENCH/TABLE 5
STR Pan & Pot – STORAGE TABLE FOR DRY PANS AND POTS
SNK 4 – UTINSEL SINK 4
SNK 3 – UTINSIL SINK 3
HP SNK 2 – HIGH PRESSURE SPRAY UTINSEL SINK 2
DRT BNC – DIRTY DISHES BENCH
RACK STR – DISH RACK STORAGE AND BENCH
HP SINK 1 – HIGH-PRESSURE SPRAY CROCK SINK 1
DISH W – DISHWASHER MACHINE P500A-16
DRY BNC – CLEAN DISHES BENCH

NOTES

--- STAINLESS STEEL SHELVING WILL BE INSTALLED OVER THE PREPARATION AREAS FOR EXTRA STORAGE
--- KITCHEN STAFF WILL USE TROLLEYS TO MOVE AROUND CLEAN AND DIRTY UTINSELS & CROCKS

CIDB Annexures

Annex A: Standard Tender Notice and Invitation to Tender

Annex B: Form of Offer and Acceptance

Annex C: Standard Conditions of Tender

Annex F: Record of Addenda to Tender Documents

Annex G: Compulsory Enterprise Questionnaire

CIDB Annexure B form of offer and acceptance

The Standard Conditions of Tender for Procurement make several references to the Bid Data for details that apply specifically to this bid. The Armscor bid conditions shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender.

Each item of data given below is cross-referenced to the Clause in the CIDB Standard Conditions of Tender to which it mainly applies.

Terminologies	Description
Tender	Tender means “Bid or RFB” in this bid document
Tenderer	Tenderer means a “Bidder” in this bid document
Contract documents	May be referred to as “Scope of Work” in this bid document
Employer	Employer means Armscor
Annexure B, D,E	Not included
SBD4	Referred to as “KD26” in this bid document
SBD6	Referred to as “KD17” in this bid document
Clause number (CIDB)	Bid Data
Annexure C	
C.1.1	The Employer is Armscor
C.1.2	The tender documents issued by the Employer are detailed on the contents page of this bid document.
C.1.4	Each communication to and from the bidder(s) and the procuring entity (Armscor) shall be sent to and received from Aopts@armscor.co.za and not any other Armscor or its official(s) email address, or Armscors’ Consulting Engineer
C.1.5.3	Not Applicable to this Bid
C.1.6	The whole of 1.6 is not Applicable to this Bid The Employer shall evaluate this bid in accordance with the evaluation criteria stated in this bid.
C.2.7	The arrangement for a site meeting (where applicable) is as stated in the Notice and Invitation to Bid.
C.2.13.5	Bidders must submit one (1) copy of the bid document and returnables unless stated in the bid document.
C.2.13.9	Bids must be submitted in a sealed envelope marked with this bid reference number. The sealed envelope must be deposited in the bid box at Armscor Dockyard Security, before the bid closing date and time addressed to: <u>Divisional Manager:</u> Procurement and Logistics Armscor Dockyard <u>Postal address:</u> Armscor Dockyard Private Bag X3 Simon’s Town, 7995 <u>Delivery address:</u> Armscor Dockyard Tender Box Dockyard Security Entrance Cole Point Road Simon’s Town

C.2.15	The closing time for submission of bid offers is as stated in the Bid Notice and Invitation to Bid <i>NB: No bid submission will be processed after the closing date and time.</i>
C.2.23	List of Returnable Documents for a comprehensive list of certificates and additional documents required for submission with this bid.
C.2.6	Also referred to as Erratum
C.3.4	Not Applicable to this Bid
C.3.11	Armscor's evaluation process comprises of the following steps. Evaluation criteria to be utilised for this bid are contained in the Evaluation criteria of this bid
C3.11.2	Weighting is only applicable when specified in the critical criteria

CONSTRUCTION INDUSTRY DEVELOPMENT BOARD

STANDARD FOR UNIFORMITY IN ENGINEERING AND CONSTRUCTION WORKS CONTRACTS

AUGUST 2019

- Annex A: Standard Tender Notice and Invitation to Tender
- Annex C: Standard Conditions of Tender
- Annex F: Record of Addenda to Tender Documents
- Annex G: Compulsory Enterprise Questionnaire

Annex A

Standard Tender Notice and Invitation to Tender

Armcor Dockyard invites tenders for the Provision of Construction and Procurement Services to Transform a Workshop into a Canteen
It is estimated that tenderers must have a cidb contractor grading of 4 GB or 4 ME or higher.
Only tenderers who meets the specified critical criteria are eligible to submit tenders.
The physical address for collection of tender documents is: Armcor Dockyard Cole Point Road Simon's Town Documents may be collected during working hours between 07:15 – 16:30 on Monday to Thursday and between 07:15 – 12:15 on Friday.
Queries relating to the issue of these documents may be addressed to Ms Bambanani Tiso, Tel No (021) 787 3149, E- Mail BamabananiT@armscordy.co.za
A compulsory clarification meeting with representatives of the Employer will take place at Armcor Dockyard on 23/10/2024 starting at 11:00 hrs.
The closing time for receipt of tenders is 11:00 hrs on 04/11/2024 Telegraphic, telephonic, telex, facsimile, e-mail and late tenders will not be accepted.
Tenders must only be submitted on the tender documentation that is issued.
Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.

Annex C

Standard Conditions of Tender

C.1 General

C.1.1 Actions

C.1.1.1 The employer and each tenderer submitting a tender offer shall comply with these conditions of tender. In their dealings with each other, they shall discharge their duties and obligations as set out in C.2 and C.3, timeously and with integrity, and behave equitably, honestly and transparently, comply with all legal obligations and not engage in anticompetitive practices.

C.1.1.2 The employer and the tenderer and all their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Tenderers shall declare any potential conflict of interest in their tender submissions. Employees, agents and advisors of the employer shall declare any conflict of interest to whoever is responsible for overseeing the procurement process at the start of any deliberations relating to the procurement process or as soon as they become aware of such conflict and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.

Note: 1) A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.

2) Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance or loyalty which would in any way affect any decisions taken.

C.1.1.3 The employer shall not seek and a tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract.

C.1.2 Tender Documents

The documents issued by the employer for the purpose of a tender offer are listed in the tender data.

C.1.3 Interpretation

C.1.3.1 The tender data and additional requirements contained in the tender schedules that are included in the returnable documents are deemed to be part of these conditions of tender.

C.1.3.2 These conditions of tender, the tender data and tender schedules which are required for tender evaluation purposes, shall form part of any contract arising from the invitation to tender.

C.1.3.3 For the purposes of these conditions of tender, the following definitions apply:

a) **conflict of interest** means any situation in which:

- i) someone in a position of trust has competing professional or personal interests which make it difficult to fulfill his or her duties impartially;
- ii) an individual or tenderer is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
- iii) incompatibility or contradictory interests exist between an employee and the tenderer who employs that employee.

b) **comparative offer** means the price after the factors of a non-firm price and all unconditional discounts it can be utilised to have been taken into consideration;

- c) **corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process;
- d) **fraudulent practice** means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels;

C.1.4 Communication and employer's agent

Each communication between the employer and a tenderer shall be to or from the employer's agent only, and in a form that can be readily read, copied and recorded. Communications shall be in the English language. The employer shall not take any responsibility for non-receipt of communications from or by a tenderer. The name and contact details of the employer's agent are stated in the tender data.

C.1.5 Cancellation and Re-Invitation of Tenders

C.1.5.1 An employer may, prior to the award of the tender, cancel a tender if-

- a) due to changed circumstances, there is no longer a need for the engineering and construction works specified in the invitation;
- b) funds are no longer available to cover the total envisaged expenditure; or
- c) no acceptable tenders are received.
- d) there is a material irregularity in the tender process.

C.1.5.2 The decision to cancel a tender invitation must be published in the same manner in which the original tender invitation was advertised

C.1.5.3 An employer may only with the prior approval of the relevant treasury cancel a tender invitation for the second time.

C.1.6 Procurement procedures

C.1.6.1 General

Unless otherwise stated in the tender data, a contract will, subject to C.3.13, be concluded with the tenderer who in terms of C.3.11 is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.

C.1.6.2 Competitive negotiation procedure

C.1.6.2.1 Where the tender data require that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of C.3.4, the employer shall announce only the names of the tenderers who make a submission. The requirements of C.8 relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.

C.1.6.2.2 All responsive tenderers or at least a minimum of not less than three responsive tenderers that are highest ranked in terms of the evaluation criteria stated in the tender data shall be invited to enter into competitive negotiations based on the principle of equal treatment, keeping confidential the proposed solutions and associated information.

Notwithstanding the provisions of C.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.

C.1.6.2.3 At the conclusion of each round of negotiations, tenderers shall be invited by the employer to revise their tender offer based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.

C.1.6.2.4 The contract shall be awarded in accordance with the provisions of C.3.11 and C.3.13 after tenderers have been requested to submit their best and final offer.

C.1.6.3 Proposal procedure using the two stage-system

C.1.6.3.1 Option 1

Tenderers shall in the first stage submit technical proposals and, if required, cost parameters around which a contract may be negotiated. The employer shall evaluate each responsive submission in terms of the method of evaluation stated in the tender data, and in the second stage negotiate a contract with the tenderer scoring the highest number of evaluation points and award the contract in terms of these conditions of tender.

C.1.6.3.2 Option 2

C.1.6.3.2.1 Tenderers shall submit in the first stage only technical proposals. The employer shall invite all responsive tenderers to submit tender offers in the second stage, following the issuing of procurement documents.

C.1.6.3.2.2 The employer shall evaluate tenders received during the second stage in terms of the method of evaluation stated in the tender data, and award the contract in terms of these conditions of tender.

C.2 Tenderer's obligations

C.2.1 Eligibility

C.2.1.1 Submit a tender offer only if the tenderer satisfies the criteria stated in the tender data and the tenderer, or any of his principals, is not under any restriction to do business with employer.

C.2.1.2 Notify the employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used by the employer as the basis in a prior process to invite the tenderer to submit a tender offer and obtain the employer's written approval to do so prior to the closing time for tenders.

C.2.2 Cost of tendering

C.2.2.1 Accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.

C.2.2.2 The cost of the tender documents charged by the employer shall be limited to the actual cost incurred by the employer for printing the documents. Employers must attempt to make available the tender documents on its website so as not to incur any costs pertaining to the printing of the tender documents.

C.2.3 Check documents

Check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.

C.2.4 Confidentiality and copyright of documents

Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.

C.2.5 Reference documents

Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are not attached but which are incorporated into the tender documents by reference.

C.2.6 Acknowledge addenda

Acknowledge receipt of addenda to the tender documents, which the employer may issue, and if necessary apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.

C.2.7 Clarification meeting

Attend, where required, a clarification meeting at which tenderers may familiarize themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the tender data.

C.2.8 Seek clarification

Request clarification of the tender documents, if necessary, by notifying the employer at least five (5) working days before the closing time stated in the tender data.

C.2.9 Insurance

Be aware that the extent of insurance to be provided by the employer (if any) might not be for the full cover required in terms of the conditions of contract identified in the contract data. The tenderer is advised to seek qualified advice regarding insurance.

C.2.10 Pricing the tender offer

C.2.10.1 Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes except Value Added Tax (VAT), and other levies payable by the successful tenderer, such duties, taxes and levies being those applicable fourteen (14) days before the closing time stated in the tender data.

C.2.10.2 Show VAT payable by the employer separately as an addition to the tendered total of the prices.

C.2.10.3 Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data.

C.2.10.4 State the rates and prices in Rand unless instructed otherwise in the tender data. The conditions of contract identified in the contract data may provide for part payment in other currencies.

C.2.11 Alterations to documents

Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations.

C.2.12 Alternative tender offers

C.2.12.1 Unless otherwise stated in the tender data, submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted as well as

a schedule that compares the requirements of the tender documents with the alternative requirements that are proposed.

C.2.12.2 Accept that an alternative tender offer must be based only on the criteria stated in the tender data or criteria otherwise acceptable to the employer.

C.2.12.3 An alternative tender offer must only be considered if the main tender offer is the winning tender.

C.2.13 Submitting a tender offer

C.2.13.1 Submit one tender offer only, either as a single tendering entity or as a member in a joint venture to provide the whole of the works identified in the contract data and described in the scope of works, unless stated otherwise in the tender data.

C.2.13.2 Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.

C.2.13.3 Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the employer.

C.2.13.4 Sign the original and all copies of the tender offer where required in terms of the tender data. The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.

C.2.13.5 Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

C.2.13.6 Where a two-envelope system is required in terms of the tender data, place and seal the returnable documents listed in the tender data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

C.2.13.7 Seal the original tender offer and copy packages together in an outer package that states on the outside only the employer's address and identification details as stated in the tender data.

C.2.13.8 Accept that the employer will not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.

C.2.13.9 Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer, unless stated otherwise in the tender data.

C.2.14 Information and data to be completed in all respects

Accept that tender offers, which do not provide all the data or information requested completely and in the form required, may be regarded by the employer as non-responsive.

C.2.15 Closing time

C.2.15.1 Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Accept that proof of posting shall not be accepted as proof of delivery.

C.2.15.2 Accept that, if the employer extends the closing time stated in the tender data for any reason, the requirements of these conditions of tender apply equally to the extended deadline.

C.2.16 Tender offer validity

C.2.16.1 Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the tender data after the closing time stated in the tender data.

C.2.16.2 If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period with or without any conditions attached to such extension.

C.2.16.3 Accept that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted. If the validity period stated in C.2.16 lapses before the employer evaluating tender, the contractor reserves the right to review the price based on Consumer Price Index (CPI).

C.2.16.4 Where a tender submission is to be substituted, a tenderer must submit a substitute tender in accordance with the requirements of C.2.13 with the packages clearly marked as "SUBSTITUTE".

C.2.17 Clarification of tender offer after submission

Provide clarification of a tender offer in response to a request to do so from the employer during the evaluation of tender offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.

Note: Sub-clause C.2.17 does not preclude the negotiation of the final terms of the contract with a preferred tenderer following a competitive selection process, should the Employer elect to do so.

C.2.18 Provide other material

C.2.18.1 Provide, on request by the employer, any other material that has a bearing on the tender offer, the tenderer's commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the employer for the purpose of a full and fair risk assessment.

Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the employer's request, the employer may regard the tender offer as non-responsive.

C.2.18.2 Dispose of samples of materials provided for evaluation by the employer, where required.

C.2.19 Inspections, tests and analysis

Provide access during working hours to premises for inspections, tests and analysis as provided for in the tender data.

C.2.20 Submit securities, bonds and policies

If requested, submit for the employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies and certificates of insurance required in terms of the conditions of contract identified in the contract data.

C.2.21 Check final draft

Check the final draft of the contract provided by the employer within the time available for the employer to issue the contract.

C.2.22 Return of other tender documents

If so instructed by the employer, return all retained tender documents within twenty-eight (28) days after the expiry of the validity period stated in the tender data.

C.2.23 Certificates

Include in the tender submission or provide the employer with any certificates as stated in the tender data.

C.3 The employer's undertakings

C.3.1 Respond to requests from the tenderer

C.3.1.1 Unless otherwise stated in the tender Data, respond to a request for clarification received up to five (5) working days before the tender closing time stated in the Tender Data and notify all tenderers who collected tender documents.

C.3.1.2 Consider any request to make a material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used to prequalify a tenderer to submit a tender offer in terms of a previous procurement process and deny any such request if as a consequence:

- a) an individual firm, or a joint venture as a whole, or any individual member of the joint venture fails to meet any of the collective or individual qualifying requirements;
- b) the new partners to a joint venture were not prequalified in the first instance, either as individual firms or as another joint venture; or
- c) in the opinion of the Employer, acceptance of the material change would compromise the outcome of the prequalification process.

C.3.2 Issue Addenda

If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date that tender documents are available until three (3) working days before the tender closing time stated in the Tender Data. If, as a result a tenderer applies for an extension to the closing time stated in the Tender Data, the Employer may grant such extension and, shall then notify all tenderers who collected tender documents.

C.3.3 Return late tender offers

Return tender offers received after the closing time stated in the Tender Data, unopened, (unless it is necessary to open a tender submission to obtain a forwarding address), to the tenderer concerned.

C.3.4 Opening of tender submissions

C.3.4.1 Unless the two-envelope system is to be followed, open valid tender submissions in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened.

C.3.4.2 Announce at the meeting held immediately after the opening of tender submissions, at a venue indicated in the tender data, the name of each tenderer whose tender offer is opened and, where applicable, the total of his prices, number of points claimed for its BBEE status level and time for completion for the main tender offer only.

C.3.4.3 Make available the record outlined in C.3.4.2 to all interested persons upon request.

C.3.5 Two-envelope system

C.3.5.1 Where stated in the tender data that a two-envelope system is to be followed, open only the technical proposal of valid tenders in the presence of tenderers' agents who choose to attend at the time

and place stated in the tender data and announce the name of each tenderer whose technical proposal is opened.

C.3.5.2 Evaluate functionality of the technical proposals offered by tenderers, then advise tenderers who remain in contention for the award of the contract of the time and place when the financial proposals will be opened. Open only the financial proposals of tenderers, who score in the functionality evaluation more than the minimum number of points for functionality stated in the tender data, and announce the score obtained for the technical proposals and the total price and any points claimed on BBEE status level. Return unopened financial proposals to tenderers whose technical proposals failed to achieve the minimum number of points for functionality.

C.3.6 Non-disclosure

Not disclose to tenderers, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.

C.3.7 Grounds for rejection and disqualification

Determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

C.3.8 Test for responsiveness

C.3.8.1 Determine, after opening and before detailed evaluation, whether each tender offer properly received:

- a) complies with the requirements of these Conditions of Tender,
- b) has been properly and fully completed and signed, and
- c) is responsive to the other requirements of the tender documents.

C.3.8.2 A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:

- a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
- b) significantly change the Employer's or the tenderer's risks and responsibilities under the contract, or
- c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.

Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.

C.3.9 Arithmetical errors, omissions and discrepancies

C.3.9.1 Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.

C.3.9.2 Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with C.3.11 for:

- a) the gross misplacement of the decimal point in any unit rate;

- b) omissions made in completing the pricing schedule or bills of quantities; or
- c) arithmetic errors in:

- (i) line item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or
- (ii) the summation of the prices.

C.3.9.3 Notify the tenderer of all errors or omissions that are identified in the tender offer and either confirm the tender offer as tendered or accept the corrected total of prices.

C.3.9.4 Where the tenderer elects to confirm the tender offer as tendered, correct the errors as follows:

- a) If bills of quantities or pricing schedules apply and there is an error in the line item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line item total as quoted shall govern, and the unit rate shall be corrected.
- b) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.

C.3.10 Clarification of a tender offer

Obtain clarification from a tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.

C.3.11 Evaluation of tender offers

The Standard Conditions of Tender standardize the procurement processes, methods and procedures from the time that tenders are invited to the time that a contract is awarded. They are generic in nature and are made project specific through choices that are made in developing the Tender Data associated with a specific project.

Conditions of tender are by definition the document that establishes a tenderer's obligations in submitting a tender and the employer's undertakings in soliciting and evaluating tender offers. Such conditions establish the rules from the time a tender is advertised to the time that a contract is awarded and require employers to conduct the process of offer and acceptance in terms of a set of standard procedures.

The CIDB Standard Conditions of Tender are based on a procurement system that satisfies the following system requirements:	
Requirement	Qualitative interpretation of goal
Fair	The process of offer and acceptance is conducted impartially without bias, providing simultaneous and timely access to participating parties to the same information.
Equitable	Terms and conditions for performing the work do not unfairly prejudice the interests of the parties.
Transparent	The only grounds for not awarding a contract to a tenderer who satisfies all requirements are restrictions from doing business with the employer, lack of capability or capacity, legal impediments and conflicts of interest.
Competitive	The system provides for appropriate levels of competition to ensure cost effective and best value outcomes.
Cost effective	The processes, procedures and methods are standardized with sufficient flexibility to attain best value outcomes in respect of quality, timing and price, and least resources to effectively manage and control procurement processes.

The activities associated with evaluating tender offers are as follows:

- a) Open and record tender offers received
- b) Determine whether or not tender offers are complete
- c) Determine whether or not tender offers are responsive
- d) Evaluate tender offers

- e) Determine if there are any grounds for disqualification
- f) Determine acceptability of preferred tenderer
- g) Prepare a tender evaluation report
- h) Confirm the recommendation contained in the tender evaluation report

C.3.11.1 General

The employer must appoint an evaluation panel of not less than three persons conversant with the proposed scope of works to evaluate each responsive tender offer using the tender evaluation methods and associated evaluation criteria and weightings that are specified in the tender data.

C.3.12 Insurance provided by the employer

If requested by the proposed successful tenderer, submit for the tenderer's information the policies and / or certificates of insurance which the conditions of contract identified in the contract data, require the employer to provide.

C.3.13 Acceptance of tender offer

Accept the tender offer; if in the opinion of the employer, it does not present any risk and only if the tenderer:

- a) is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement;
- b) can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract;
- c) has the legal capacity to enter into the contract;
- d) is not; insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act No. 2008, bankrupt or being wound up, has his/her affairs administered by a court or a judicial officer, has suspended his/her business activities or is subject to legal proceedings in respect of any of the foregoing;
- e) complies with the legal requirements, if any, stated in the tender data; and
- f) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.

C.3.14 Prepare contract documents

C.3.14.1 If necessary, revise documents that shall form part of the contract and that were issued by the employer as part of the tender documents to take account of:

- a) addenda issued during the tender period,
- b) inclusion of some of the returnable documents and
- c) other revisions agreed between the employer and the successful tenderer.

C.3.14.2 Complete the schedule of deviations attached to the form of offer and acceptance, if any.

C.3.15 Complete adjudicator's contract

Unless alternative arrangements have been agreed or otherwise provided for in the contract, arrange for both parties to complete formalities for appointing the selected adjudicator at the same time as the main contract is signed.

C.3.16 Registration of the award

An employer must, within twenty-one (21) working days from the date on which a contractor's offer to perform a construction works contract is accepted in writing by the employer, register and publish the award on the cidb Register of Projects.

C.3.17 Provide copies of the contracts

Provide to the successful tenderer the number of copies stated in the Tender Data of the signed copy of the contract as soon as possible after completion and signing of the form of offer and acceptance.

C.3.18 Provide written reasons for actions taken

Provide upon request written reasons to tenderers for any action that is taken in applying these conditions of tender but withhold information which is not in the public interest to be divulged, which is considered to prejudice the legitimate commercial interests of tenderers or might prejudice fair competition between tenderers.

Annex F

Record of Addenda to Tender Documents

The undersigned confirm that the following communications received from the employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:

	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Attach additional pages if more space is required.

Signed		Date	
Name		Position	
Tenderer			

Annex G

Compulsory Enterprise questionnaire

The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:

Section 3: cidb registration number, if any:

Section 4: CSD number:

Section 5: Particulars of sole proprietors and partners in partnerships:

Name*	Identity number*	Personal income tax number*

* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners

Section 6: Particulars of companies and close corporations

Company registration number:

Close corporation number:

Tax reference number:

Section 7: SBD4 issued by National Treasury must be completed for each tender and be attached as a tender requirement.

Section 8: SBD 6 issued by National Treasury must be completed for each tender and be attached as a tender requirement.

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

- authorizes the employer to verify the tenderers tax clearance status from the South African Revenue Services that it is in order;
- confirms that the neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
- confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and
- confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed		Date	
Name		Position	
Enterprise name			

DTIC Annexures

Annex C: Local Content Declaration – Summary Schedule

Annex D: Imported Content Declaration – Supporting Schedule

Annex E: Local Content Declaration – Supporting Schedule to Annexure C

Annex C

Local Content Declaration - Summary Schedule

(C1) Tender No.			
(C2) Tender description:			
(C3) Designated product(s)			
(C4) Tender Authority:			
(C5) Tendering Entity name:			
(C6) Tender Exchange Rate:	Pula		EU
(C7) Specified local content %			

Note: VAT to be excluded from all calculations

GBP

Calculation of local content							
Tender item no's	List of items	Tender price - each (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value	Local value	Local content % (per item)
(C8)	(C9)	(C10)	(C11)	(C12)	(C13)	(C14)	(C15)

Tender summary			
Tender Qty	Total tender value	Total exempted imported content	Total Imported content
(C16)	(C17)	(C18)	(C19)

Signature of tenderer from Annex B

Date:

(C20) Total tender value

(C21) Total Exempt imported content

(C22) Total Tender value net of exempt imported content

(C23) Total Imported content

(C24) Total local content

(C25) Average local content % of tender

Annex D

ESSENTIAL RETURNABLE DOCUMENT:

FAILURE TO FULLY COMPLETE, DECLARE, SIGN & DATE THIS ANNEXURE D MAY RESULT IN THE BID BEING NON-RESPONSIVE & DISQUALIFIED

Imported Content Declaration - Supporting Schedule to Annex C

(D1) Tender No: PD20/36

(D2) Tender description: Supply and delivery of welding consumables in the Port of Durban on an "as and when required" basis for a period of thirty six months

(D3) Designated Products:

(D4) Tender Authority:

(D5) Tendering Entity name:

(D6) Tender Exchange Rate: Pula

EU R 9,00 GBP R 12,00

Note: VAT to be excluded from all calculations

A. Exempted imported content

Calculation of imported content										Summary	
Tender item no's	Description of imported content	Local supplier	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Exchange Rate	Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties	Total landed cost excl VAT	Tender Qty	Exempted imported value
(D7)	(D8)	(D9)	(D10)	(D11)	(D12)	(D13)	(D14)	(D15)	(D16)	(D17)	(D18)
(D19) Total exempt imported value										R 0	
										This total must correspond with Annex C - C 21	

B. Imported directly by the Tenderer

Calculation of imported content										Summary	
Tender item no's	Description of imported content	Unit of measure	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Rate of Exchange	Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties	Total landed cost excl VAT	Tender Qty	Total imported value
(D20)	(D21)	(D22)	(D23)	(D24)	(D25)	(D26)	(D27)	(D28)	(D29)	(D30)	(D31)
(D32) Total imported value by tenderer										R 0	

C. Imported by a 3rd party and supplied to the Tenderer

Calculation of imported content										Summary	
Description of imported content	Unit of measure	Local supplier	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Rate of Exchange	Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties	Total landed cost excl VAT	Quantity imported	Total imported value
(D33)	(D34)	(D35)	(D36)	(D37)	(D38)	(D39)	(D40)	(D41)	(D42)	(D43)	(D44)
(D45) Total imported value by 3rd party										R 0	

D. Other foreign currency payments

Calculation of foreign currency payments					Summary of payments	
Type of payment	Local supplier making the payment	Overseas beneficiary	Foreign currency value paid	Tender Rate of Exchange	Local value of payments	
(D46)	(D47)	(D48)	(D49)	(D50)	(D51)	
(D52) Total of foreign currency payments declared by tenderer and/or 3rd party						
(D53) Total of imported content & foreign currency payments - (D32), (D45) & (D52) above					R 0	
					This total must correspond with Annex C - C 23	

Signature of tenderer from Annex B

Date:

Annex E

Local Content Declaration - Supporting Schedule to Annex C

(E1)	Tender No.	
(E2)	Tender description:	
(E3)	Designated products:	
(E4)	Tender Authority:	
(E5)	Tendering Entity name:	

Note: VAT to be excluded from all calculations

Local Products (Goods, Services and Works)	Description of items purchased	Local suppliers	Value
	(E6)	(E7)	(E8)
(E9) Total local products (Goods, Services and Works)			

(E10) **Manpower costs** (Tenderer's manpower cost)

(E11) **Factory overheads** (Rental, depreciation & amortisation, utility costs, consumables etc.)

(E12) **Administration overheads and mark-up** (Marketing, insurance, financing, interest etc.)

(E13) **Total local content**

This total must correspond with Annex C - C24

Signature of tenderer from Annex B

Date: _____