



SOL PLAATJE MUNICIPALITY BID DOCUMENT

Original bid documents must be submitted in a sealed envelope marked
"ENVELOPE 1 ORIGINAL"

Duplicate of Original Bid document must be submitted in a sealed separate envelope marked
'ENVELOPE 2 DUPLICATE'

If bids are submitted in one envelope containing one original and one duplicate it must be clearly stated.
The duplicate must be a true reflection of the original Bid Document and supporting documents must be certified.

I hereby declare that the copy submitted is a true reflection of the original bid.

Bidder Signature: _____ Date: _____

CONTRACT NUMBER:	INFRA/TSD01/2022		
DESCRIPTION:	FLEET REPLACEMENT NEW VEHICLES & MACHINERY PHASE 2		
The offer contains	MBD1, MBD 2 TCS, MBD3.1, MBD3.2, MBD 3.3 (if applicable), MBD 4, listing criteria, MBD6, MBD 6.1, MBD 6.2 (if applicable) MBD8, MBD 9 and General Conditions of Contract		
All pages must be signed and witnessed by two witnesses, where required.			
NAME OF BIDDER			
PHYSICAL TRADING OFFICE ADDRESS			
FINANCIAL (PRICE) OFFER: (VAT inclusive)			
BID PERIOD: For period commencing			
PREPARED FOR: O. Mokale SOL PLAATJE MUNICIPALITY PRIVATE BAG X5030 KIMBERLEY 8300		PREPARED BY: B. Nkoe DATE: 14 March 2022	
CLOSING DATE: 23 MAY 2022		TIME: 10:00	

BIDDER CHECKLIST

CONTRACT NUMBER: INFRA/TSD01/2022 FLEET REPLACEMENT NEW VEHICLES & MACHINERY PHASE 2

Hereunder is a checklist to ensure that the bid documentation is complete in terms of administrative compliance. The bidder is to indicate that the documentation is complete and included in the bid document by completing the table below. **(Tick to indicate whether the information has been included and the originals signed and witnessed as required.)**

ITEM	DESCRIPTION	YES/NO
1	Cover letter front page	
2	Invitation to Bid (MBD1) must be completed & signed	
3	Tax Compliance requirements	
4	Pricing Schedule and Specifications to be completed (MBD 3.1), no correctional fluid to be used	
5	Method of Pricing and Price Adjustments to be fully and correctly completed (MBD 3.2)	
6	Professional Indemnity Insurance, where applicable	
7	Functionality Evaluation Schedule: (MBD 3.3) applicable for 2 stage bidding process	
8	Declaration of interest (MBD 4) Original to be completed and signed. No bid will be accepted from persons in the service of the state¹.	
9	Did you submit a valid certified certificate BBBEE certificate (preference points claim) (MBD 6.1) OR a Joint Venture BBBEE valid certified certificate where applicable	
10	Did you comply to DTI standards (local content) as indicated (MBD 6.2) if required	
11	Declaration of bidder's past supply chain management practices (MBD 8)	
12	Certificate of Independent Bid Determination Annexure E5 – (MBD9)	
13	Did you submit one (1) original and one (1) hard copy of the bid documents?	
14	Did you take note and understand the Special Conditions, where applicable?	
15	Did you submit your management and contact details?	
16	Did you submit full and current contact details for three references, as requested in the bid document	
17	Did you submit your company profile, brief financial information, concerning turnover and asset value, and details of any BBBEE Shareholding?	
18	Did you initial every page of your original submission?	
19	Did you comply to all pre-conditions as stated in bid document? (MBD 1)	
20	Did you submit a valid current municipal account that is not in arrears for 90 days (Business or Residential Municipal Rates & Service Account) ?	
21	Are you registered on the Central Supplier database (CSD) (www.csd.gov.za) provide proof with bid document?	
22	Did you attend the compulsory site/briefing session where applicable?	
23	Did you attach, Annual Financial Statements attached if project > R10 million, where applicable?	

N.B:- THIS FORM MUST BE SIGNED BY THE BIDDER AND TWO WITNESSES

SIGNATURE OF BIDDER: _____

NAME OF COMPANY: _____

ADDRESS: _____

CELL TELEPHONE NO: _____ FAX NO. _____

E-MAIL ADDRESS: _____

AS WITNESSES: 1. _____ Name Print _____

2. _____ Name Print _____

DATE: _____

**SOL PLAATJE MUNICIPALITY
INVITATION TO BID
PART A
INVITATION TO BID**

THE FOLLOWING PARTICULARS MUST BE FURNISHED

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF INFRASTRUCTURE SERVICES

BID NUMBER:	INFRA/TSD01/2022	CLOSING DATE:	23 MAY 2022	CLOSING TIME:	10H00
DESCRIPTION	FLEET REPLACEMENT NEW VEHICLES & MACHINERY PHASE 2				
	<p>To render services on behalf of the Sol Plaatje Municipality, as may be required for a on once off as indicated on this bid document, from the time of the award.</p> <p>The services shall commence on the date of signing the contract, with an option to extend as may be agreed upon by both parties upon expiry.</p> <p>One complete set of document is available at http://www.etenders.gov.za or http://www.solplaatje.org.za at no cost.</p> <p>One complete set of documents is available from SCU Contracts Section, Municipal Stores Complex Abattoir Road, Ashburnham, Kimberley upon payment of an amount of R500-00 (Five hundred rand), which is non-refundable.</p> <p>Payment must be made at the cashiers on a "NO 10 deposit slip" using the following mSCOA vote no</p> <p>21 12 1 42 451 0 SG ZZZ ZZ WM</p>				

THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7).

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT

SOL PLAATJE MUNICIPALITY

SCU – CONTRACTS SECTION, MUNICIPAL STORES COMPLEX

ABATTOIR ROAD, ASHBURNHAM

KIMBERLEY

8301

SUPPLIER INFORMATION

NAME OF BIDDER					
POSTAL ADDRESS					
PHYSICAL TRADING ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
TAX COMPLIANCE STATUS	TCS PIN:		AND	CSD No:	
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]	<input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT <input type="checkbox"/> Yes <input type="checkbox"/> No		

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

The following certificate for BBBEE are required for points allocation.

- An Original B-BBEE Certificate accredited by SANAS or Certified Copy
- An original or certified B-BBEE Sworn Affidavit for EME'S and QSE's
- BBBEE certificate for EME's

Companies or bidders bidding as Joint venture must include their consolidated

- Joint Venture Agreement (must clearly stipulate the name of the lead partner)
- Joint B-BBEE certificate
- Separate Tax compliance status pin for both companies
- Separate CSD report for both companies
- Separate Municipal accounts for both Companies/Valid lease agreement
- MBD 4,8 & 9 must be completed respectively by both parties and submitted as part of the bid document

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER PART B:3]
TOTAL NUMBER OF ITEMS OFFERED		TOTAL BID PRICE	R
SIGNATURE OF BIDDER		DATE	
CAPACITY UNDER WHICH THIS BID IS SIGNED			
SIGNATURE OF WITNESS NO 1	NAME PRINT		
SIGNATURE OF WITNESS NO 2	NAME PRINT		
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:		TECHNICAL INFORMATION MAY BE DIRECTED TO:	
DEPARTMENT	FINANCE: SUPPLY CHAIN UNIT	CONTACT PERSON	O. Mokale/ N. Sephiri
CONTACT PERSON	Betty Nkoe	TELEPHONE NUMBER	053-830 6864/6957
TELEPHONE NUMBER	053 830 6172/6180	FACSIMILE NUMBER	
FACSIMILE NUMBER	N/A	E-MAIL ADDRESS	omokale@solplaatje.org.za/ nsephiri@solplaatje.org.za
E-MAIL ADDRESS	bnkoe@solplaatje.org.za		

PART B
TERMS AND PRE-CONDITIONS FOR BIDDING

<p>(1) NO BIDS WILL BE CONSIDERED FROM BIDDERS WHO ARE NOT REGISTERED ON THE CENTRAL SUPPLIERS DATABASE (CSD) ON THE NATIONAL TREASURY WEBSITE www.csd.gov.za</p> <p>(2) THE LISTING CRITERIA MUST BE COMPLETED IN THE DOCUMENT</p> <p>(3) NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE</p>
<p>1. BID SUBMISSION:</p> <p>1.1. Bids must be submitted within stipulated date and time to the correct address. Late submission of bids will not be accepted.</p> <p>1.2 All bids must be completed and submitted on the official tender document provided – (may not to be re-typed, only hand written submissions will be accepted,) and no correction tape or fluid may to be used on the tender document. Bidders, who have purchased the bid documents from the Municipality, MUST include the proof of payment.</p> <p>1.3 This bid is subject to the Preferential Procurement Policy framework act and the preferential regulation, 2017, general conditions of the contract (GCC) and, if applicable, any other special conditions of contract.</p> <p>1.4 The following is <u>APPLICABLE ON COMPETITIVE BIDDING ABOVE R10 MILLION</u></p> <p style="padding-left: 40px;">If the value of the transaction is expected to exceed R10 million (Vat Included), require bidders <u>MUST</u> provide the following documents with the bid documents.</p> <ul style="list-style-type: none"> • If the bidder is required by law to prepare annual financial statements for auditing, their audited annual financial statements <ul style="list-style-type: none"> ○ For the past three years or ○ Since their establishment if established during the past three years • Particulars of any contracts awarded to the bidder by an organ of state during the past five years, including particulars of any material non-compliance or dispute concerning the execution of such contract • A statement indicating whether any portion of the goods or services are expected to be sourced from outside the Republic, and, if so, what portion and whether any portion of payment from the municipality or municipal entity is expected to be transferred out of the Republic: <p style="padding-left: 40px;">Please attach all annexures on the pages as indicated on the bid document</p>
<p>2. TAX COMPLIANCE REQUIREMENTS</p> <p>2.1 Bidders must ensure must ensure compliance their Tax obligations.</p> <p>2.2 Bidders are required to submit their unique personal identification number (pin) issued by SARS to enable Municipality to view the taxpayer's profile and tax status.</p> <p>2.3 Application for the tax compliance status (TCS) pin may be made via e-filing through the SARS website www.sars.gov.za.</p> <p>2.4 Bidders may also submit a printed TCS certificate together with the bid</p> <p>2.5 Foreign suppliers must complete the pre-award questionnaire in Part B Paragraph 5.</p> <p>2.6 Bidders are required to submit current Central Suppliers Database (CSD) registration report (NOT the summary report) together with the bid document</p>
<p>3. MUNICIPAL ACCOUNTS</p> <p>3.1 A Valid Municipal account of the bidding company and or of Directors, that is not in arrears for more than 90 days.</p> <p>3.2 If the entity or any of its directors/shareholders /partners/members, etc. rents/leases premises a copy of the rental/lease agreement must be submitted with this bid.</p> <p>3.3 In cases where bidders use a lease premise for conducting their business, a valid lease agreement between the company or directors and Lessor, which clearly stipulates the party responsible for municipal services, rates and taxes, must be attached to the bid document.</p> <p>3.4 A valid municipal account or tax invoice (body corporate) of the leased premises that is not in arrears must be submitted.</p> <p>NB: Sol Plaatje Municipality will not be issuing letters to unsuccessful bidders, however, it is the responsibility of the bidders to visit the municipal website (www.solplaatje.org.za) to obtain such information.</p>

4. COMPULSORY CLARIFICATION MEETINGS/ CIDB GRADINGS (IF APPLICABLE)

4.1 LOCAL CONTENT (IS APPLICABLE)

- Engine 30%

4.2 A COMPULSORY CLARIFICATION SESSION: N/A

4.3 CIDB: N/A

5. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

- 5.1 IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? ☐ YES ☐ NO
- 5.2 DOES THE ENTITY HAVE A BRANCH IN THE RSA? ☐ YES ☐ NO
- 5.3 DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? ☐ YES ☐ NO
- 5.4 DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? ☐ YES ☐ NO
- 5.5 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 ABOVE.

In terms of section 13 of the Municipal Supply Chain Management Regulations No. 27636 of 30 May 2005, the Municipal Manager shall reject all bids that do not comply with the following preconditions:-

1. Bidders that have not furnished the Municipality with his/her full names, identification number or company or other registration number and tax reference number and vat registration number, if any.
2. Bidders that have not submitted a valid tax clearance certificate from SARS or provided their tax compliance status pin number
3. Bidders that have not indicated: -
 - a. Whether he/she is in the service of the state or has been in the service of the state in the previous twelve months;
 - b. If the bidder is not a natural person, whether any of its directors, managers, principal shareholders or stakeholder is in the service of the state or has been in the service of the state in the previous twelve months, or
 - c. Whether a spouse, child or parent of the bidder or of a director, manager, shareholders or stakeholder in the previous twelve months.
4. Any special conditions as contained in the bid documents.

Bidders scoring the highest points or any bid will not necessarily be accepted, and the Municipality reserves the right to sub-divide the contract and accept any portion of any bid, or determine a multiple award.

Bids will be evaluated in terms of the approved point system **80/20 or 90/10 Points** detailed in Preference Points form MBD 6 enclosed in Bid document. Tender validity period should be for **90 days**.

NO BIDS by FAX or by E-MAIL WILL BE ACCEPTED.

Sealed bids outwardly marked with the relevant;

Contract number: INFRA/TSD01/2022

Description: FLEET REPLACEMENT NEW VEHICLES & MACHINERY PHASE 2

Address Municipal Manager TENDER BOX (OPPOSITE SECURITY)

MUNICIPAL STORES COMPLEX

ABATTOIR ROAD

ASHBURNHAM

Kimberley

Closing date 23 MAY 2022 Time 10:00

IT IS THE PROSPECTIVE BIDDERS RESPONSIBILITY TO OBTAIN BID DOCUMENTS IN TIME TO ENSURE THAT RESPONSES REACH SPM, TIMEOUSLY. MUNICIPALITY SHALL NOT BE HELD RESPONSIBLE FOR DELAYS IN THE POSTAL/ COURIER SERVICES.

Bids will be opened in public in the SCU BOARDROOM/SCM OFFICE, STORES COMPLEX, ABATTOIR ROAD, Kimberley, immediately after closing time.

INVITATION FROM: MUNICIPAL MANAGER
CIVIC OFFICES, SOL PLAATJE DRIVE
PRIVATE BAG X5030
KIMBERLEY, 8300

NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF BIDDER: _____

CAPACITY UNDER WHICH THIS BID IS SIGNED: _____

DATE: _____

Certificate of Attendance of Clarification Meeting on Site (If applicable)

NOTE: If the attendance register was signed at the clarification meeting held at the SCM Boardroom, the name of the signatory shall be inserted on this page and the authorized signatory shall sign this page.

If attendance register has been signed at the clarification meeting:

Name of person appearing on attendance register: _____

Representative organization name on attendance register: _____

If the attendance register has not been signed at the clarification meeting.

This is to certify that I, _____

representative of (Tenderer) _____

of (address) _____

telephone number _____

e-mail _____

attended the bid clarification meeting (date) _____

in the company of (Employer's Line Manager / Engineer's representative) _____

EMPLOYER'S LINE MANAGER / ENGINEER'S REPRESENTATIVE: _____

ATTACH VALID JOINT VENTURE AGREEMENT HERE (if applicable)

MBD 2

ATTACH TAX COMPLIANCE STATUS PIN CERTIFICATE

ATTACH VALID MUNICIPALITY ACCOUNT OR VALID LEASE AGREEMENT HERE

Sol Plaatje Municipality 		SOL PLAATJE MUNICIPALITY, KIMBERLEY **MANDATORY** LISTING CRITERIA		
CENTRAL SUPPLIER DATABASE REGISTRATION NUMBER (CSD): _____				
1	Company name			
2	Contact details	Telephone Number: _____	Fax Number: _____	Cell phone number: _____
	Email address Contact person:	_____ _____		
3	Postal Address: _____			
4	VAT registered	Yes <input type="checkbox"/>	No <input type="checkbox"/>	If registered, VAT Registration No: _____
5	Settlement discount allowed	_____ %	For payment within	_____ days
6	Bank account details	Account No.: _____		Branch No.: _____
	Bank Name	_____		
	Branch Name	_____		
	Bank account type	_____		
7	Business Municipal Rates and Service Account Number: ** A current (30 days) account, or Lease Agreement in the case of a Landlord responsible for account, must be attached to this document **			_____
8	Located in Sol Plaatje Municipal Area		Yes <input type="checkbox"/>	No <input type="checkbox"/>
9	% owned by black male: _____ %		% owned by black female: _____ %	
	% owned by black youth: _____ %		% owned by white female: _____ %	
	% owned by disabled persons: _____ %			
10	B-BBEE status level of contribution:			
11	Indicate main sector. Please select one (2) only: Catering and Accommodation <input type="checkbox"/> Cleaning material <input type="checkbox"/> Commercial agents (Doctors, Lawyers, Audit firm, booking keeping, Pharmacy, Post,) <input type="checkbox"/> Communication and media, Construction- Building material and road works <input type="checkbox"/> Electrical services- gas/ Aircon, transformers, cables, poles <input type="checkbox"/> Funeral Parlour <input type="checkbox"/> Gardening services- Lawnmower <input type="checkbox"/> Florist <input type="checkbox"/> Information technology (IT services, system, telecommunication <input type="checkbox"/> Office equipment <input type="checkbox"/> Plant hire <input type="checkbox"/> PPE- mask, sanitizer, safety equipment <input type="checkbox"/> Repairs, motor parts and retail (accredited agency) <input type="checkbox"/> Stationery <input type="checkbox"/> Supplier of pumps, pipes, steel and maintenance or installation, and irrigation system <input type="checkbox"/> Training services e.g. workshops <input type="checkbox"/> Transportation (car rental, flight, and buses and driving school) <input type="checkbox"/> Uniform <input type="checkbox"/> Security services <input type="checkbox"/>			
12	Amount full time employed staff: _____	Annual Turnover: R _____	Asset Value (Excluding fixed property) R _____	
13	It is the responsibility of the Supplier/Bidder to inform Sol Plaatje Municipality of any changes during the contract period			
	NAME (PRINT) _____ SIGNATURE: _____			
	CAPACITY: _____			
	WITNESS (NAME): _____ SIGNATURE: _____			
	DATE: _____			

MBD3.1

SOL PLAATJE LOCAL MUNICIPALITY**CONTRACT NUMBER: INFRA/TSD01/2022 FLEET REPLACEMENT NEW VEHICLES & MACHINERY PHASE 2**

SCOPE OF BID DOCUMENT

The scope of this Bid Document includes the supply and delivery **of new vehicles** to the Sol Plaatje Municipality, Transport Complex, Industrial Way, and Ashburnham Kimberley.

1. ITEM 1: Three (3) x Four- Ton Crew Cab (Double- Cab) Truck with drop sides

1.1 ITEM 2: Fire Engine – (Major Pumper) fully equip

2. BID DOCUMENT INFORMATION

Illustrated literature with full technical details including manufacturer's specifications must be submitted with the Bid Document.

3. COMPLIANCE

Vehicles must comply in all respect with the relevant requirements of the National Road Traffic Act and Regulations 1996, (No. 93 of 1996) and the latest Compulsory Vehicle Standards

4. SAFETY STANDARDS

Vehicles must comply with the relevant requirements of Occupational Health and Safety Act and Regulations (No.85 of 1993)

5. OPERATORS HANDBOOK AND TOOLS

Operator's handbooks, essential operator tools, hydraulic jack and **FULL SPARE WHEEL** must be provided with each vehicle.

6. FUEL TANK CAP

A locking fuel tank cap must be provided with each vehicle.
Anti – theft fuel devices must be fitted to the vehicles

7. PAINTWORK

All inner and outer body surfaces must be treated with rust preventative material. Rust proofing must carry a written guarantee to cover a period of not less than three years.

9. LICENSING AND REGISTRATION

All vehicle and machinery must be fully licensed and registered at time of delivery.

ITEM 1:

Three (3) x Four (4) ton Crew Cab (Double- Cab) Truck with Drop Sides

Engine:

The engine must be a four- cylinder turbo charged diesel, developing not less than 100kw with a maximum torque of not less than 400Nm

The engine must conform to at least a minimum of Euro III emission standards.

Transmission:

Transmission must be automated-manual or fully automatic, with at least six forward gear- shifts.

Steering:

Steering must be fully powered assisted.

Brakes:

Vehicle must be fitted with an anti-locking brake system (ABS)

Ventilation System:

Vehicle must have a factory fitted air-conditioner.

TOOLS

Vehicles to be delivered with spare wheels, Jack, Triangle and Wheel Spanner

Load body Dimensions:

Body must be 4m (L) x 2,5m (W) x 400mm drop sides

Vehicle Colour:

Manufacturer's selected white

Accessories:

Vehicle must be fitted with the following accessories:

- (i) A suitable and robust tow-bar
- (ii) An audible alarm / immobilizer system
- (iii) A full-length (cab length) slim line type, amber emergency light mounted on the cab (**no holes to be drilled into cab roof**).
- (iv) Load body must be rubberized.
- (v) Audible reverse warning buzzer
- (vi) Sturdy bull bar manufactured from robust material.
- (vii) Anti- theft fuel device.

TOTAL PRICE PER EACH (INCL. VAT & ALL ACCESSORIES) R_____

NB: THE BID WILL BE AWARDED PER LINE ITEM

Additional Maintenance and service plan

Bidder to indicate the cost of a full maintenance and service plan, for a minimum period of 3 **three** years.

***NB Prices must be indicated separately and not be included in the vehicle price.**

Total Price of Full Maintenance & Service Plan (Vat Incl.) R_____

TECHNICAL DETAILS

MAKE, TYPE, MODEL AND COUNTRY OF ORIGIN _____

ENGINE

Type _____ Displacement _____ m³

No. of cylinders _____ kW (gross) _____ at _____ rpm

Net torque _____ Nm _____ at _____ rpm

Transmission _____

Tyre size and ply rating _____

Steering _____

Ventilation System _____

Delivery Period _____

ITEM 2: FIRE ENGINE - MAJOR PUMP

Contract: – Vehicle Fleet Replacement Phase Two (2)

1. Sol Plaatje Fleet Technical Specification for Category A vehicles

Fire Engine – (Major Pumper) fully equip

1.1 Specification for Major pumper

- The vehicle must be designed and manufactured to meet the road traffic requirements of South-Africa
- The material selection and usage should be of the highest standard available in South Africa.
- All body frames should be manufactured from aluminium extrusions.
- All plating is of the highest grade aluminium and the thickness selection is in accordance with international norms for firefighting (NFPA) vehicles.
- The unit must be manufactured with the following material:
 1. Light weight for increased power to weight ratio
 2. Low maintenance
 3. Corrosion resistant
 4. High strength

1.1.1 Compliance to NFPA and Testing Facility

- The vehicle will be tested by the manufacturer that it is in accordance with NFPA 1901, including pumps and certification to be provided.

1.1.2 Standards

- The complete vehicle will comply fully with the National Road Traffic Act, Act 93 of 1996 (as amended), and the South African Bureau of Standards.
- The unit should comply with NFPA 1901: Standard for Automotive Fire Apparatus as listed in the specification.
- The complete apparatus shall be homologated prior to delivery to the end user.

1.1.3 Testing

- The following tests should be performed on all products that are manufactured by service provider/s.
 1. Electrical system performance testing
 2. Weld quality
 3. Alternator performance test
 4. Primer test
 5. Pump flow test
 6. Piping Hydrostatic pump test
 7. Water tank to pump flow test
 8. Water tank and foam tank tests
 9. Power train testing
 10. Superstructure integrity test
 11. Paint sample test
 12. Complete operational test
 13. Foam system test
 14. Emergency lighting system test
- Certain tests will be done at the factory floor and certificate of compliance must be provided
- All products must undergo a quality assurance program and be fully inspected for compliance to specifications.

1.1.4 Warranty

- The service provider will be responsible for the warranty of the complete vehicle irrespective of the components. All warranty and related calls will be logged with the service provider/s.
- The overall warranty period on the apparatus superstructure must be at the minimum standard of five years (5) from the date of delivery.
- The minimum five (5) years warranty for the following unit must apply with the exclusion of the chassis cab and water tank warranty must be minimum of 10 years.
 1. Structural Integrity Warranty
 2. Power Train
 3. Transmission
 4. Painting
 5. Plumbing
 6. Fire Pump
- All components and spares utilised in the manufacturing process must be approved by the Original Equipment Manufacturer (OEM).
- All defects encountered due to poor workmanship and manufacturing deficiencies will be replaced at the cost of service provider/s during the warrantee period.

1.1.5 Free Service/ Inspection

- A Pre-Delivery (PDS) and 1st Inspection service will be undertaken prior to delivery
- Provision must be made at the bidder's expense for one inspection of the unit by three Municipal officials at the manufacturing plant and including certain tests.

1.1.6 Training and Skill Transfer

- Training will be provided free of charge, on-site for 50 personnel members, by professionals and will be based on the following:
 1. Driving Techniques
 2. Fire Fighter Safety
 3. Operating Instructions - Warrior
 4. Water & Foam Supply Systems
 5. Pumping Operations & Techniques
 6. Basic Vehicle Care & Preventative Maintenance
 7. Basic Equipment Care & Preventative Maintenance
 8. Basic Vehicle & Equipment Specifications

1.1.7 Licensing & Registration

- The vehicle shall be register and licence as per requirements, and the cost will be included on the price of the unit.

1.1.8 FUNCTIONAL SPECIFICATION FOR A HEAVY DUTY FIRE AND RESCUE APPARATUS

1.1.9 Chassis Cab

- The heavy duty Fire and Rescue apparatus must be manufactured on a double cab chassis.
- Spare parts must be readily available in South Africa.
- Drive Configuration: 4x2

1.1.10 Engine Governor

- The engine must be governed to a maximum speed of 110 km/h on a flat surface.

1.1.11 Engine Hour Meter

- An engine hour meter must be supplied and fitted in the cab.

1.1.12 Crew Seating

- The standard seating in the cab is for six persons only.

1.1.13 Battery Master Switch

- A battery master switch must be provided that shall isolate power to the batteries

1.1.14 General

Type

Product class	Truck
Chassis adaptation	Basic
Wheel configuration	4x2, 2-axle vehicle with drive on one rear axles
Duty class	High
Chassis height	High

1.1.15 Dimensions

Axle distance	Not less than 3900 mm
Dimension JA	Not less than 3500 mm
Chassis width	Not less than 2600 mm

1.1.16 Weights

Legal weight front axle	Not less than 7500 kg
Legal weight 1st rear axle	Not less than 10500 kg
Legal GVW	Not less than 25700 kg
GCM Legal	Not less than 66000 kg
Techn. Gross veh. weight (GVW)	Not less than 29500 kg
GCM Technical (kg)	Not less than 28500 kg
Gross train weight, technical	65001-66000kg
GTW actual	0-20 tons

1.1.17 Engine

Fuel	Diesel
Engine stroke volume	13 litres
Engine type, vehicle	Engine capacity not less than 270Kw Euro-3
	Diesel engine, six-cylinder
	Max. output not less than 1900 rpm: not less than 362 hp
	Max. torque not less than 1000 and not less than 1350 rpm: not less than 2000 Nm
Emission level	Euro 3

1.1.18 Cooling system

Fan control	electronic
Fan, gear ratio	1:1

1.1.19 Fuel system

Fuel tank mounting	single tank
	Not less than 300-litre tank in aluminum/steel Fuel tank must be protect by a sturdy steel frame
Fuel cap	Lockable Anti – theft fuel device must be fitted to the vehicle

1.1.20 Exhaust system

Exhaust outlet, direction	Either top, side or rear
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1.1.21 Gearbox

- Automatic gearbox (not less than 6-speed fully automatic with integrated retarder)

1.1.22 Power Take Off (PTO)

EG-power take off	compulsory
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1.1.23 Axles

1.1.23.1 Front

Axle weight front, technical	Minimum 8500 kg
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1.1.23.2 Rear

Bogie weight, technical	Minimum 11000kg
Differential lock	compulsory

1.1.24 Wheels**1.1.24.1 Rims**

Wheel, type	disc
Rim material	steel/Aluminum
Rim quantity front axle(s)	2
Rim size front axle(s)	Minimum 9.00 disc
Rim quantity rear axle	4
Rim size rear axle	Minimum 9.00 disc
Rim quantity spare and size	1 x Minimum 9.00 disc (same as above sizes)

1.1.24.2 Tyres

Tyres	compulsory
Tyre quantity front	2
Tyre size front	Minimum 315/80 R22.5
Tyre type front axle	Minimum 315/80 R22.5
Tyre quantity rear	4
Tyre size rear	Minimum 315/80
Tyre type rear axle	Minimum 315/80 R22.5
Tyre type tandem/tag/steer	Minimum 315/80 R22.5
Tyre quantity spare and size	1 x Minimum 315/80 (same as above sizes)
Tyre type spare wheel	Minimum 315/80 R22.5

1.1.24.3 Brakes

ABS intelligent compressor	air management
Wheel brake	Drum and shoes
Brake control combination	pneumatic
Brake control	pneumatic
ABS, Anti-lock brakes	compulsory
Slack adjuster	Automatic (2-axle)
Retarder	compulsory

Exhaust brake control	Manual/automatic
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1.1.25 Anti-roll bar

Anti-roll bar, front	normal stiffness
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1.1.26 Steering

Steering wheel position	right hand
Steering system	1-circuit
Adjustable steering wheel	compulsory
Steering wheel type	Basic
Steering wheel air bag	compulsory

1.1.27 Power Supply

Battery	180 Ah, 2x12 V batteries in series for 24 V
Battery security	On Lockable
Alternator charge	Must be a minimum of 150A alternator that produces Minimum 86A at the idling speed.

- Battery master switch Electronic double-acting switch on the battery box and dashboard, which switches off the connection to one of the battery's terminals, and this way the whole vehicle is de-energised, apart from the tachograph.
- All vehicle electronic components and lights must be powered from the 24 volts battery

1.1.28 BWS

1.1.28.1 BWS (body work system)

- *Must have an extra control unit prepared bodybuilder function.*

1.1.29 Battery connection bodybuilder

- Must have a fuse box for positive feed that allows the connection of current consumers than those permitted by the central electric unit in the cab.
- The box must be located on the inside of the left-hand frame member behind the battery box and with the dimensioned for maximum 200 A.

1.1.30 Cable harness additional switches

- The dashboard must be prepared with wiring for 4 extra switches, 2 on each side of the steering wheel.

1.1.31 Instruments

Instrument panel finish	treated
Instrument panel colour	Black/Grey
Underskirt instruments panel colour	Black/Grey
Instrument cluster	Basic, km/h
Air pressure display	Bars/psi
12V socket in dashboard	One socket for 12 and 24 volts must be located in the instrument panel on the passenger side. Extra 24 volt socket in the switch panel, which will be located by the lower bunk in sleeper cabs.

1.1.32 Communications

1.1.32.1 Vehicle based two way radio

- Voltage converter 12V, electrical wiring and routed antenna to compartment in the roof shelf above the driver are included.

1.1.33 Cab

Roof height	Low
Roof rack	without
Cab Type	(crew cab) Long, low crew cab with up to 6 seats

1.1.33.1 Cab exterior

Cab suspension	2-point air sprung
Cab anti-roll bar	Comfort
Cab tilting	automatic/manual
Second step in the front	Must be integrated in the left-hand side of the lower front grille panel, folds out for use. facilitates cleaning the windscreen for example.
Bumper protruded execution	Must be 50 mm High-mounted bumper, all in steel. Fitted 50 mm ahead of vehicle front to protect against damage.

Towing device in bumper	must be center-mounted towing device rated not less than 24 tons.
Signal horn	compressed air
Boarding step front, foldable	the folding boarding step must be secured in the front edge and fitted in the bumper.
Front mudguard, execution	Must be in two pieces
Splash guard, front	Must be provided

1.1.33.2 Windows and mirrors

Windows	Must be tinted
Door windows	Must be single, glazing
Window winder door	Must be electronic
Rear view mirror type driver	Must be spherical
Rear view mirror, passenger	Must be spherical
Wide angle mirror	passenger side
Front view mirror	Must be fitted on the passenger side, under the external sun visor.

1.1.33.3 Cab interior

Wall panel/headlining material	Must be black/ grey patterned vinyl upholstery which is dirt repellent and easy to clean.
Door panel	plastic
Sunvisors door driver side	Foldable
Interior lighting	<ol style="list-style-type: none"> 1. Must consists of dome lamps. 2. Must have Lamps in the roof shelf. 3. Must have Reading lamps. 4. Must have Lighting under the long instrument panel and lamps in the outer storage compartments. 5. The background lighting must comprise of red LEDs integrated in the dome lamps. 6. Must have the lighting under the instrument panel and the boarding step lighting. 7. Must Switch off and on via a separate switch.

Gear selector position	Must be located in the suitable position where a driver can easily reach.
Protective mats floor	Must be non-slippery rubber

1.1.33.4 Seats

Driver seat	Must be with air suspension and several setting options. Adjustable for legroom and height. Equipped with adjustable backrest, with integrated head restraint, quick-release function for rapid air release, as well as integrated safety belt.
Passenger seat	Unsprung seat with several setting options, which can be moved backward and forward, raised, and lowered, and has an adjustable backrest with integrated head restraint. The seat must have an integrated safety belt.
Crew seat lay out	All four- crew seat must face the front, with safety belt each. The seat must have a provision of the SCBA storage
Upholstery	All seats upholstery must be in black leather, dirt repellent and easy to clean.
Warning signal for unconnected seat belts	lamp and audio signals (and shall warns an unbelted driver with an acoustic signal and a warning lamp when speed exceeds a minimum of 25 km/h.)
Seat belt pre-tensioner	Compulsory for all seats
Seat belt colour	all seats must be equipped with a safety belt with a fabric coloured red/black.

1.1.33.5 Storages

Dashboard passenger side compartment	with lid
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1.1.33.6 Climate system

Climate system control	Must be manual
Air conditioning	Must be able to reach all seats

1.1.33.7 Illumination

Headlamp type	H4
Headlamp asymmetry	Left hand
Headlamp levelling	Compulsory
Headlamp protection	Compulsory
End outline marker lamp	Clear
Beacon lights	Compulsory
Tail lamp position	on bracket
Fog lamp, rear	compulsory

1.1.33.8 Accessories

Hose for tyre inflation	Minimum 20 meters
Vehicle first aid kit, as per Government regulation 7 OHS act	Compulsory
Triangle	Compulsory
Fire extinguisher	1 x 2 kg
Reverse alarm audible inside and outside	Compulsory
Tool Case	<ol style="list-style-type: none"> 1. Jack 2. Wheel Spanner 3. Spanner size 13 and 10 4. Reversible Screwdriver Star and Flat

1.1.33.9 Crew and passenger seats

- Provision must be made for SCBA storage brackets on the back rest of all seats excluding the driver seat.
- The incorporation of the SCBA brackets in the back rests must allow for the immediate donning on arrival at an incident.
- The SCBA seat must have dual padded extensions to ensure the comfort for all the passengers whilst travelling in the crew cab.
- The SCBA retaining bracket must be fitted with a quick release strap to allow the BA set to be easily released for quick donning.
- The bracket must be capable of containing the BA set when a 10-G force is applied in the longitudinal axis of the vehicle.

1.1.33.10 Seat Belt Monitoring System

- A seat belt monitoring system (SBMS) must be provided.

The SBMS must be capable of monitoring the status of occupancy if seat belts are buckled/not buckled with both redLED and beeper indicator when seat occupied and unbuckled.

1.1.33.11 Dash mount Radio (GPS, Bluetooth and WAP ready)

- The apparatus must have a provision for the dash mount two way radio.

1.1.33.12 Vehicle Camera System

- It must have 360-degree surround view camera.
- The camera image/s must be displayed on the driver's full colour Mux display. All cameras must be able to operate in the dark/night and over exposed lighting.

1.1.34 Bulbar

- Must be a chromed bulbar with provision for the fitment of an electric winch must be mounted to the chassis frame of the vehicle.
- The bulbar must be fitted with four (4) galvanized towing eyes.

1.1.35 Electric Winch

- An electric winch with a single line pulling capacity minimum of 8 165kg must be fitted to the bulbar:
 1. Minimum wire rope diameter : 11.7mm
 2. Minimum wire rope length : 30m
 3. Electric requirement : 24V

- The winch must be supplied with a snatch block and winch blanket

1.1.36 Controls and Indicators in the Cab

- A double acting battery master switch must be provided with a visual warning when switched on.
- Two (2) 75mm x 25mm red light must be positioned in the cab.
- The light must provide a warning to the driver in the event any cab door, crew cab door, equipment locker door and mast light are left ajar or extended.
- A visual warning must be provided in the cab to indicate when the pump is engaged.
- In addition to chassis standard controls and indicators the following items must be installed in the drivers cab must have:
 1. visual warning for the main current being switched on
 2. solenoid master switch(the solenoid must be continuous rating type)
 3. visual warning for any of the equipment lockers being open
 4. visual warning for the rear axle being locked
 5. switch with visual indication for all emergency lighting
 6. switch with visual indication for siren unit
 7. microphone for the public address system
 8. Visual warning that pump is engaged
 9. Visual and audio warning for low water level in radiator.
 10. Visual warning that floodlight is extended.

1.1.37 Mud flaps

- Must be made out of Black linear low-density polyethylene (proprietary blend) mud flaps must be installed on the rear body wheel wells and on the front directly behind the wheels.
- Emergency services Logo must be affixed to the flap itself

1.1.38 Deck Gun/Monitor

- The pump panel must include all electric 12 VDC controls.
- The Deck gun must include the automatic stow feature.
- A remote control must be installed on the pump operator's panel and a wireless radio remote.
- The Deck gun must match the colour of the vehicles.
- The Deck gun must be mounted between the pump panel and the cab in the most convenient position allowing for maximum operation with no restrictions.

1.1.38.1 Nozzle

- An electronic controlled select automatic master stream nozzle must be provided.
- The deluge riser must have a male National Standard Threads for mounting the monitor.

1.1.39 Pump System

1.1.39.1 Pump Compartment

- The pump compartment must be a separate module from the apparatus body and hose bed compartments.
- This must allow each module to move independently of the other.
- The pump compartment module must extend the full width of the body.
- The pump operator's panel and side panel must be constructed of brushed stainless steel for lasting appearance and ease of maintenance.
- Pump panel light shields must be provided for each side panel and the top mount pump operator's panel.
- Valve control levers must be of a vertically operated quarter turn locking type.
- Each lever must have round, chrome, fluted edge knob providing an easy grip surface.
- Each knob must be clearly engraved to identify the locking direction.
- Valve control levers must locate directly adjacent next to one another, mounted inline so they are in the same position when shut off.
- Each control lever must be connected directly to its respective valve.
- The pressure gauges must be located directly above the discharged control levers.

1.1.39.2 Pump System

- The pump must be a mid-ship mounted single stage centrifugal pump. The pump must be mounted on the chassis frame rails and must be PTO driven.

- Two (2) 152mm diameter suction ports with 152mm NST male threads and removable screens must be provided, one each side.
- The ports must be mounted one (1) on each side of the mid-ship pump and must extend through the side pump panels. Inlets must come equipped with long handle chrome caps.

1.1.39.3 Pressure Relief Valve

- The pump must be equipped with an automatic pressure control device. A single bronze variable pressure setting relief valve must be provided and be of ample capacity to prevent an undue pressure rise as outlined in N.F.P.A 1901.
- The relief valve must be normally closed and must open against pump pressure. A relief valve control wheel with a control light to signal when open must be mounted on the pump operator's panel.

1.1.39.4 Discharge Manifold

- The pump system must utilize a stainless-steel discharge manifold system that allows a direct flow of water to discharge valves.
- The manifold and fabricated piping systems must be constructed of a minimum of Schedule 10 stainless steel, to reduce corrosion.

1.1.39.5 Primer System

- The electronic driven priming pump must be a positive displacement vane type. One Priming control, located at the pump operator's position, must open the priming valve and start the priming motor.
- The primer must be oil-less type.
- The priming valve must be electronically interlocked to the "Park Brake" circuit to allow priming of the pump before the pump is placed in gear.

1.1.39.6 Pressure Gauge System

- One (1) minimum 114mm master suction and one (1) minimum 114mm master discharge gauge must be pump panel mounted.
- These compound gauges shall be liquid filled.
- A throttle must be mounted on the pump operator's panel and must be used to control the engine RPM.
- A master drain valve must be installed and operated from the pump operator's panel.

1.1.39.7 Pressure Governor

- This apparatus must be equipped with a Class 1 "Total Pressure Governor" engine/pump governor/throttle system that is connected directly to the Electronic Control Module (ECM) mounted on the engine.
- The "Total Pressure Governor" is to operate as a pressure sensor (regulating) governor (PSG).
- A special pre-set feature must permit a predetermined pressure or RPM to be set.
- The pre-set pressure or RPM must be displayed on the message display of the "Total Pressure Governor".
- The pre-set must be easily adjustable by the operator.
- The pressure sensor governor system must be operable only after the vehicle parking brake has been set, the transmission is on the pumping mode, and the fire pump has been engaged.
- The pressure sensor governor system must have two (2) modes of operation: pressure mode or rpm mode.
- When in the pressure mode, the PSG system must automatically maintain the discharge pressure set by the operator regardless of flow (within engine/pump operating capabilities).
- In the rpm mode, the PSG system will automatically maintain a set engine speed, regardless of engine load (within engine operation capabilities).
- A pump cavitation protection feature will be provided which must return the engine to idle should the pump cavitate.
- The pressure controller must incorporate monitoring for engine coolant temperature, oil pressure, and battery voltage.

1.1.39.8 Auxiliary Engine Cooler

- An engine cooler used to lower engine water temperature during prolonged pumping operations and controlled at the pump operator's panel must be provided.
- The engine cooler must be installed in the engine coolant system in such a manner as to allow cool pump water to circulate around engine water, thus forming a true heat exchanger action.
- Cooler inlet and outlet must be continuous, preventing intermixing of engine coolant and pump water.

1.1.39.9 Pump Cooler

- The pump must have a minimum 10mm line installed from the pump discharge to the booster tank to allow a small amount of water to circulate through the pump casing in order to cool the pump during sustained periods of pump operation when water is not being discharged.
- The pump cooler line must be controlled from the pump operator's panel by a minimum of 10mm snubber valve.

1.1.39.10 Pump Certification

- The minimum of 4,700 l/min pump, when dry, must be capable of taking suction and discharging water in accordance with current NFPA 1901.
- The pump must be tested at the manufacturer's facility by an independent, third-party testing service.
- The conditions of the pump test must be as outlined in current NFPA 1901.
- The tests must include, a minimum but not limited to the following as outlined in current NFPA 1901:
 1. the pump test,
 2. the pumping engine overload test
 3. the pressure control system test
 4. the priming device tests
 5. the vacuum test
 6. the water tank to pump flow test
 7. a plumbing hydrostatic test
 8. foam tank and pump flow test

1.1.39.11 Water Tank Level Gauge

- One (1) electronic water tank level gauge must be located at the pump operator's panel to provide a high visibility display the level of water in the tank

1.1.39.12 Top Mount Pump Panel

- The pump controls must be top mounted and be constructed of stainless steel.

1.1.39.13 Pump Access Doors

- The driver and officer side pump module must include horizontally hinged pump access doors.

1.1.40 Crosswalk Module

- An aluminium extruded crosswalk module must be provided and located forward of the pump module.
- The crosswalk must include two (2) access folding steps with handrails secured to the forward extrusion of the pump module.

1.1.40.1 Crosswalk Compartments

- Two (2), one (1) each side, compartments must be provided in the area below the walkway.

1.1.41 Foam Tank Level Gauge (Class A and B)

- There must be an electronic foam tank level gauges for both foam tanks located at the pump operator's panel.

1.1.42 Double Cross-Lay Hose Bed

- Two (2) cross-lay hose beds must be provided at the front area of the body.
- Each of the two cross-lay sections must have a capacity for 90m of 38mm double-jacket fire hose pre-connected to the pump discharge.
- **Note:** Three (3) 38mm x 30m double jacket hoses with a firefighting branch nozzle must be supplied with each cross lay bed.

1.1.43 Left Side Discharges

- Two (2) 65mm discharge outlets with manually operated valves must be provided at the left side pump panel.
- These discharge valves must be fitted with 65mm NST Male couplings with a chained blank cap
- One (1) 100mm hi-volume discharge outlet with manually operated valves must be provided at the left side pump panel. This discharge valve must be fitted with 100mm Storz coupling with 115mm lug distance with chained blank cap.
- The valve controls must be located at the pump operator's panel and must visually indicate the position of the valve at all times.

1.1.44 Right Side Discharges

- Two (2) 65mm discharge outlets with manually operated valves must be provided at the left side pump panel.
- The discharge valves must be fitted with 65mm NST male couplings with chained blank cap.
- One (1) 100mm hi-volume discharge outlet with manually operated valves must be provided at the left side pump panel.
- This discharge valve must be fitted with 100mm Storz coupling with 115mm lug distance with chained blank cap.
- The valve controls must be located at the pump operator panel and must visually indicate the position of the valve at all times.

1.1.45 Around the Pump (ATP) Foam System, A/B Dual Tank

- An electronic foam proportioning system must be provided to proportion Class A & B foam concentrates into the suction side of the pump.
- The System must directly measures water and foam concentrate flow and automatically adjusts to deliver a consistent foam concentrate injection rate based on that flow.
- Operation must be unaffected by various nozzle flows, hose lengths, intake or discharge pressures.

1.1.46 A/B Control Panel

- A single A/B changeover control panel must be provided to include individual controls for selecting either A or B foam concentrate storage tank controls and for controlling water pump supplied flushing water. The panel must be located near the main foam system control panel.

1.1.47 Tank Selector and Flushing Valves

- When dual foam concentrate tanks are installed on the apparatus a dual tank switch over system consisting of both A and B options must be installed to provide rapid change-over of foam concentrate reservoirs.
- The dual tank selector valves must also have provision for connection of flushing water to prevent mixing of dissimilar incompatible foam concentrates.

1.1.48 Air Operated Dual Tank Selector

- An air operated dual tank selector must provide dual foam tank selection via a three-position toggle switch located on the pump operator panel.
- Indicator lights on the switch placard will indicate which tank is selected.
- The air operated dual tank system must be provided as an integral part of the foam concentrate pump.
- The air dual tank system must be installed and tested at the foam system manufacturer. Operating air must be provided continuously from the apparatus compressed air system.
- A foam concentrate bypass valve must be provided integral to the air operated dual tank valve to permit operation of the foam concentrate pump for test and calibration purposes without injecting foam concentrate into the water discharge.
- The air operated dual tank selector must be electronically interlocked with the low tank switches and control unit.
- When the selector is switched from one tank to the other the default foam concentrate injection rate must automatically change without operator intervention.
- Also, when the selector is switched from one tank to the other the low level sensor in the selected tank must be active and the other one must be isolated from the system.
- The centre position of the panel mounted dual tank switch must provide a clean water flush of the foam concentrate pump to prevent concentrate mixing and possible jelling. When FLUSH is selected the foam pump must only run for 10 seconds.
- All NFPA required check valves and flushing water strainers must be provided integral to the air dual tank selector.

1.1.49 Manual Dual Tank Selector

- An operator panel mounted manual dual tank valve to provide manual selection of dual foam concentrate tanks from the operator panel must be provided.

- The manual dual tank selector must be electronically interlocked with the low tank switches and control unit.
- When the selector is switched from one tank to the other the default foam concentrate injection rate MUST automatically change without operator intervention. Also, when the selector is switched from one tank to the other the low level sensor in the selected tank will be active and the other one will be isolated from the system.
- The manual dual tank selector handle will have a “FLUSH” position between the tank settings.
- The “FLUSH” position will provide a clean water flush of the foam concentrate pump preventing foam concentrates from mixing and possibly jelling.
- Switches provided on the manual dual tank valve must determine which low tank level sensor is providing feedback and which foam concentrate injection rate to use.
- When FLUSH is selected the foam pump must only run for 10 seconds.
- All NFPA required flushing water check valves must be provided with the manual dual tank selector.

1.1.50 Foam Concentrate Strainers

- A field serviceable foam concentrate strainers must be provided in the foam concentrate suction line.
- When the strainer is not subjected to flushing water pressure a plastic bodied in-line strainer must be used.
- The strainer body must be constructed of plastic with a stainless steel mesh screen and must be compatible with both Class A and Class B foam concentrates.
- A shutoff valve must be provided to enable isolation of the strainer for service. The strainer must be mounted in the pump compartment.
- The strainer must be a low pressure device and must not be subjected to flush water pressure.

1.1.51 Booster Tank

- The booster tank must be rectangular in configuration and shall have a capacity of 3,500 litres.
- The entire tank must be constructed from welded 12mm polypropylene sheets.
- The tanks must be designed in accordance with recognized international standards and 3rd party verification is required on all designs.

- Baffles must be in the form of baffle balls which must protect against any water surge during travel mode, irrespective of the volume of the content within the water tank.
- The baffle design must be such as to ensure that it occupies less than 1% of the tank content.
- The baffle must ensure a free flow of 98% of the tank contents during pumping operations.
- The tank must feature a square combination vent and manual fill tower of dimensions minimum 450mm x 450mm with cover.
- The tower must be located in the left front corner of the tank.
- The tank overflow must be 100mm diameter and shall dump behind the rear wheels to permit maximum traction.
- There must be two (2) standard tank openings; one for the tank to pump suction line with an anti-swirl plate and one for a tank fill/drain line.
- The tank must be mounted on hard rubber cushions to isolate the tank from road shock and vibration.
- The tank must be completely removable without disturbing or dismounting the apparatus body structure.

1.1.52 Foam Tank – Class A

- A 150-litres Class A foam tank, manufactured from Stainless Steel must be fitted.
- The vehicle must be delivered with 150ltr class-A foam concentrate, as well as an extra 25 litres to test the foam system.

1.1.53 Foam Tank – Class B

- A 150-litre Class B foam tank, manufactured from Stainless Steel must be fitted.
- The vehicle must be delivered with 150ltr class-B foam concentrate, as well as an extra 25 litres can to test the foam system.

1.1.54 Bodywork & Equipment Lockers

- The manufacture and mounting process must carry the approval of the Original Equipment Manufacturer (OEM).

1.1.55 Underbody Support System

- The underbody support system must form the backbone of the entire fire superstructure and provides extremely high compartment load ratings.

- The support system must consists of a minimum 9.5mm thick steel vertical angle support bolted to the chassis frame rails.
- Horizontal angles must be gusseted and welded to the bottom of the vertical angles, extending to the outside edge of the body.
- All steel superstructure frame must be mounted on top with neoprene elastomer isolators.
- Additional reinforcing must be added for extra support.

1.1.56 Aluminium Construction

- The apparatus body must be constructed entirely of formed aluminium plates.
- All horizontal walkway surfaces must be constructed from aluminium fire apparatus quality diamond plate.
- The wheel well frame must be constructed from formed aluminium and must be fitted with an aluminium wheel arch. Aluminium tread plate must finish off the skirt.
- The entire superstructure roof must be covered with aluminium diamond plate.
- The entire exterior body must be completely sanded and deburred to assure a smooth finish prior to painting.
- Components must be seam welded together both internally and externally to ensure maximum strength.

1.1.57 Rear Step

- An auxiliary access ladder must be provided at the rear of the body for access to the body deck. The ladder rungs must be fitted with non-slip surfaces.
- The ladder must fall within the angle of departure.

1.1.58 Hosebed

- Hosebed sides must consist of smooth aluminium plate welded to a perimeter frame constructed heavy walled aluminium extrusion for rigidity.
- The hosebed compartment deck must be constructed entirely from maintenance free, extruded aluminium.
- Extrusions must have an anodized, radiuses ribbed top surface for maintenance free service life.
- Extruded aluminium slats must be riveted into a one-piece grid system to prevent the accumulation of water and allow ventilation to assist in drying hose.

- The hosebed compartment must be free of sharp edges and projections to prevent hose damage.
- The hosebed must be completely removable for easy access to the booster tank.
- The compartment deck design must incorporate a provision for the installation of adjustable hosebed dividers.
- A lip must be provided at the rear on the hose deck to prevent the accidental discharge of the flaked hoses during travel.
- The hosebed must be designed to accommodate 3x100mm supply hose and 10x65mm driveline hose.

1.1.59 Hosebed Divider

- There must be two (2) hosebed dividers provided for the full length of the hosebed.
- The hosebed dividers must be constructed of smooth aluminium plate with an extruded aluminium base welded to the bottom.
- The rear end of the divider must have a radius corner to protect personnel.
- The dividers must be natural finish aluminium for long-lasting appearance and must be sanded and deburred to prevent damage to the hose.
- The dividers must be adjustable from side to side in the hosebed to accommodate varying hose loads.

1.1.60 Rubrail

- The body must have a body side protection rubrail along the length of the body on each side and at the rear.
- The rubrail must be constructed of aluminium extrusion. The rubrail must extend beyond the body width to protect compartment doors and the body side.
- The rubrail must be a minimum 4mm thick anodized aluminium extrusion and must allow marker and warning lights to be recessed inside for protection.
- Reflective tape in accordance with the National Road Traffic regulations requirements and must be applied to the Rubrail to enhance vehicle visibility.

1.1.61 Handrails and Access Steps

- Access handrails must be provided at all step positions.

- All body handrails must be constructed of maintenance free, corrosion resistant, extruded aluminium.
- Access steps offering a non-slip surfaces must be provide to accommodate for ease of access to top compartments.

1.1.62 Access Ladder

- An auxiliary stainless steel access ladder must be provided at the rear of the body for access to the hose bed.
- The ladder must have a lower hinged section that must be stored when not in use.
- Each ladder rung must be fitted with aluminium “crocodile” plate to ensure a non-slip surface when using the ladder.
- The left top section of the ladder must be raised at the deck to allow a secure handgrip.
- A stainless steel grab handle must be fitted to the hose deck side at the rear to assist in accessing the vehicle deck from the ladder.

1.1.63 Compartmentation

- Seven (7) outside compartments must be provided as follows:
 1. One (1) full height compartment between the pump module and the rear wheels on each side of the vehicle
 2. One (1) full height compartment over the rear wheel arches on each side
 3. One (1) rescue style full height compartment behind the rear wheels. This compartment must have access doors from both sides of the vehicle and the rear.
 4. One (1) full height compartment at the rear of the apparatus
- All body compartments must be constructed from welded aluminium alloy plate.
- Each compartment must be modular in design and must not be a part of the body support structure.
- Compartment floors must be constructed of aluminium fire apparatus quality diamond plate welded in place and shall be supported by aluminium extrusions.
- A drain hole must be provided in each compartment floor.
- A grommet must be fitted around all electrical wiring to prevent the ingress of dust.
- An anodized aluminium drip rail must be mounted over each compartment opening to assist with water runoff.

1.1.64 Adjustable Shelving Tracks

- All compartments must be equipped with vertically mounted tracks for the installation of adjustable shelves.
- The tracks must be of extruded aluminium and attached to the side walls with rivets.

1.1.65 Aluminium Shelves

- Six (6) shelves must be constructed of 4.7mm smooth aluminium plate.
- The shelves must have bi-directional rigidity (side to side and front to back) and one-piece construction. Each shelf shall hold a maximum load of 45 kilograms.
- The shelves shall be adjustable utilising the adjustable shelving tracks.

1.1.66 Slide-out Tray

- Two (2) slide-out trays to accommodate heavy equipment must be provided.

1.1.67 Removable Equipment Panels

- Removable aluminium panels must be fitted inside each locker compartment for the mounting of equipment. The panels must be secured to the locker interior.
- The equipment brackets must be secured to these panels and not the compartment walls.

1.1.68 Compartment Access Platform

- The lower section of the side compartments on each side must be designed to act as a fold down step platform for elevated access to the equipment.

1.1.69 Roll-Up Doors

- All compartments must be fitted with roll-up doors. The door slats must be double wall box frame and manufactured from anodized aluminium.
- The slats must have interlocking end shoes on each slat.
- The slats must have interlocking joints with a PVC/vinyl inner seal to prevent any metal to metal contact and inhibit moisture and dust penetration.
- The track must be anodized aluminium with a finishing flange incorporated to provide a finished look around the perimeter of the door without additional trim or caulking. The

track must have a replaceable side seal to prevent water and dust from entering the compartment.

- The doors must be counterbalanced for ease in operation.
- A full width latch bar must be operable with one hand, even with heavy gloves. Securing method must be a positive latch device.
- The doors must be fitted with a micro switch that must energise a red warning lamp in the cab when the door is not in a fully closed position.
- All compartment doors must be fitted with a dual function automatic switch to activate the compartment lights upon opening of the door and give an indication in the cab when doors are opened.

1.1.70 Hydraulic Ladder Gantry

- A hydraulic / electric ladder gantry must be mounted on the right side of the body.
- The ladder gantry must allow for removal of the ladders from the ground position without having to get onto the vehicle.
- An interlock must be provided to prevent operation of the ladder gantry unless the parking brake is activated.
- The gantry must be fitted with the following ladders:
 1. Two section extension ladder.
 2. Roof Hook ladder.

1.1.71 Hydraulic Hose Gantry

- A hydraulic / electric suction hose gantry must be mounted on the right side of the body.
- The suction hose gantry must allow for removal of the suction hoses from the ground position without having to get onto the vehicle.
- An interlock must be provided to prevent operation of the suction hose gantry unless the parking brake is activated.
- The suction hose gantry shall be fitted with 2 x 3m lengths of 150mm hard suction hoses complete with wire bound couplings

1.1.72 Electrical System

- All electrical equipment installed by the apparatus manufacturer must conform to current automotive electrical system standard

- All exposed wiring must be run in a loom. All wiring looms must be properly supported and attached to body members along the entire run.
- At any point where wire or looms must pass through metal, rubber grommets must be installed to protect the wire from abrasion.
- Electrical connections in exposed areas must be made using heat shrink or weather proof connections.
- All circuits must be protected with automatic reset circuit breakers.
- All electrical equipment switches must be mounted on a switch panel mounted in the cab convenient to the operator.
- Light switches must be of the rocker type with integral indicator light to show when the circuit is energised.
- All switches must be appropriately identified as to function.

1.1.73 Cab and Body Lighting

- Clearance lights and reflectors must include two (2) red lights, four (4) red rectangular reflectors, two (2) amber rectangular reflectors, and three (3) red marker lights centred at the rear step, recessed in the rub-rail.
- A rectangular shaped marker light with an amber coloured lens must be installed on either side of the apparatus body, recessed in the rub-rail at the front of the body.
- The marker light must be wired to the turn indicator.
- A rectangular shaped marker light with a red coloured lens shall be installed at the trailing edge on either side of the apparatus body, recessed in the rub-rail.
- One (1) minimum 177mm red, one (1) amber and one (1) minimum 177mm clear light shall be installed on each side of the vehicle rear.
- Light functions must include running lights, brake lights, turn signal lights and back-up lights.
- One (1) minimum 100mm circular single bulb light shall be mounted in each body compartment and must be wired to a master on/off rocker switch on the cab dash.
- The light must be in a resilient shock absorbent mount for improved bulb life.
- The wiring connection must be made with a weather resistant plug in style connector.
- A single water and corrosion resistant switch with a polycarbonate actuator and sealed contacts must control each compartment light.

- A compartment light with a switch must be installed to illuminate the pump area for service.
- A license plate light must be installed on the rear of the vehicle.

1.1.74 Compartment Lighting

- There must be a minimum of one (1) LED lighting string mounted in each body compartment.
- Each light must be in a resilient shock-absorbent mount.
- There must be a compartment light with a switch installed to illuminate the pump area for service.
- A sensor switch must be fitted in each compartment door to activate the light when door is opened, the sensor must also activate the warning light in the cab to warn the driver of the open locker/s

1.1.75 Step Lights

- The apparatus must have sufficient lights to properly illuminate the work areas, steps, walkways and ground areas around the apparatus.
- Areas under the driver and crew area exits must be activated automatically when the exit doors are opened.
- Ground area lights must be switched from the cab dash with the work light switch.

1.1.76 Pump Panel Lights

- Two (2) working lights must be provided above the pump panel to illuminate the working area during pumping operations.

1.1.77 Scene Lights

- Two (2) scene lights with clear lenses must be provided at the rear of the apparatus.
- Each light unit must consist of two (2) 20 watt halogen lamp fixtures within a light housing.
- The lamps, within each housing, must be adjustable horizontally and vertically to provide the desired coverage.
- All electrical connectors must be enclosed in the housing providing protection against the elements.
- The lights must be 24VDC, 40 watts, and provide 1050 candelas.

1.1.78 Auto Eject for Shoreline

- One (1) shoreline receptacle must be provided to operate the dedicated 230-volt circuits on the truck without the use of the generator.
- The shoreline receptacle (s) must be provided with an IEC 60309 Standard European connector (16A-6h) 200-250 volt, 16 amp, round pin auto eject plug with a weatherproof cover. The cover must have magnetically loaded points for closure, preventing water from entering when the shoreline is not connected.
- A solenoid wired to the vehicle's starter must be energized when the engine is started. This instantaneously drives the plug from the receptacle.
- The shoreline must be connected to 220v.
- A mating connector body must also be supplied with the loose equipment.
- The shoreline receptacle must be located on the driver side of pump panel.

1.1.79 Electronic Load Management

- Load Manage must be provided on the apparatus.
- The device must be an electronic load management (ELM) system that monitors the vehicles 12-volt electrical system, and automatically reduces the electrical load in the event of a low voltage condition and by doing so, ensures the integrity of the electronic system.
- The ELM must monitor the vehicle's voltage while at the scene (parking brake applied). It must sequentially shut down individual electrical loads when the system voltage drops below a present value.
- Two (2) separate electrical loads must be controlled by the load manager.
- The ELM must sequentially re-energize electrical loads as the system voltage recovers.

1.1.80 Back-up Alarm

- An electronic back-up alarm must be supplied.
- The minimum 97 dB (A) alarm must be wired into the chassis back-up lights to signal when the vehicle is in reverse.

1.1.81 Robotic Light Mast System

- One (1) Robotic Mast Light System complete with 4 x LED lights, must be supplied and fitted on the crew cab roof.

- The control unit for the Mast Light must be mounted in the nearside compartment. The light must go to its original position when the hand brake is released.
- There must be a flasher in the cab when the light is extended.
- The Mast Light must be operated remotely with a remote. The remote must be attached to a 5m spiral cable.

1.1.82 Warning Lights

1.1.82.1 Rotating Beacons

- Two (2) red rotating LED beacons must be fitted at the rear and must be controlled from inside the cab.
- Two (2) red rotating LED beacons must be fitted one each side of the bull bar and must be controlled from inside the cab.

1.1.82.2 Light Bar

- A High Intensity Slimline LED light bar must be fitted on the cab roof. The light bar must have the following features:
 1. Ultra low profile unit, aerodynamically efficient and unobtrusive until lit.
 2. All-round, 360 Degree light output.
 3. Front and rear LED clusters individually user programmable.
 4. Low current draw. Approximately 20% of a rotator light.
 5. Long service life due to LED technology and no moving parts.
 6. LEDs rated to 100,000 operational hours.
 7. Solid state electronics.

1.1.82.3 Speaker

- A minimum of 100 watt speaker must be supplied and fitted.

1.1.82.4 Electronic Siren

- A minimum of 100W siren system must be provided and mounted inside the cab within easy access of the officer. The system must have the following features:
 1. Compact, feature-packed, high powered
 2. Automatic selection of emergency lights when any tone is selected.

3. Wail and Yelp siren tones as defined in the Road Traffic Act with Stenner tone for intersections.
4. Air horn tone activated by hooter button when no siren tone is selected.
5. Siren sound pressure level with HD110R driver system exceeds minimum of 123dB. and P.A. level exceeds minimum of 115dB.
6. PTT switch on microphone allows for siren tone over-ride when selected.

1.1.82.5 Lower Level Warning Light Package

- Four (4) halogen warning lights and eight (8) LED warning lights, all with red lenses, must be provided.

1.1.82.6 Lighting must be mounted as follows:

- Zone A- (2) Two LED lights on the front of the apparatus facing forward.
- Zone B - (2) LED lights at the forward most point (as is practical), one (1) at the rearward most point (as is practical), and a recess mount mid-ship halogen light located within the rub rail.
- Zone C - Two (2) LED lights on the rear of the apparatus facing rearward.
- Zone D - Two (2) LED lights, one (1) at the forward most point (as is practical) and one (1) centrally located to provide mid-ship warning lighting.
- One (1) recess mounted halogen light located within the rub rail at the rearward most point (as practical).
- The side facing lights must be located at forward most position, centered in rear wheel well, and in rub rail side facing at rear of body.
- A lighted rocker switch on the cab instrument panel, labelled lower level warning, must control the lights.
- Lower level devices must be mounted in compliance with NFPA standards.

1.1.83 Chassis Paint Finish

- All chassis exterior components such as mirrors and bumpers must be removed prior to the finish procedure.
- Paint process must feature acrylic urethane products and must be performed in the following steps:
 1. Filler Primer must be applied to guarantee smooth sub straight to provide good enamel hold-out of the top coat
 2. A lead free, two part acrylic urethane enamel top coat must be applied, providing excellent coverage and durability. A minimum of two coats must be applied.

3. High Solid clear coat must be applied as the final step in order to ensure full gloss and colour retention and durability. A minimum of one coat must be applied.
- The vehicle rim must be painted in silver. The vehicle wheels must be trimmed in silver paint to complete the wheel finish.

1.1.84 Body Paint Finish

- The aluminium body exterior must have no mounted components prior to painting to assure full coverage of metal treatments and paint to the exterior surfaces of the body.
- Any vertically or horizontally hinged smooth-plate compartment door must be painted separately to assure proper paint coverage on body, door jambs and door edges.
- Paint process must feature high solid LV products and be performed in the following steps:
 1. Corrosion Prevention - all raw materials must be pre-treated to provide superior corrosion resistance and excellent adhesion of the top coat.
 2. Sealer/Primer LV - acrylic urethane sealer/primer must be applied to guarantee excellent gloss hold-out, chip resistance and a uniform base colour.
 3. High Solid LV (Top coat) - a lead free, chromate-free high solid acrylic urethane top coat must be applied, providing excellent coverage and durability. A minimum of two coats must be applied.
- Any location where aluminium is penetrated, after painting, for the purpose of mounting steps, handrails, doors, lights, or other specified components must be treated at the point of penetration with a corrosion inhibiting pre-treatment.
- The pre-treatment must be applied to the aluminium sheet metal or aluminium extrusions in all locations where the aluminium has been penetrated.
- All hardware used in mounting steps, handrails, doors, lights, or other specified components must be individually treated with the corrosion inhibiting pre-treatment.
- The body must be finished painted in **Phoenix Red**

1.1.85 Chassis and Body Stripe

- A straight white reflective stripe, 100mm minimum in width, must be applied horizontally around the cab and body.

- Yellow reflective trim in accordance with the National Road Safety Regulation shall be secured to the vehicle.

1.1.86 Lettering

- Lettering must be provided in accordance with the instructions from the Sol Plaatje Municipality.
- The recommended tyre pressure labels must be placed above each wheel.

1.1.87 Manuals

- All equipment, components and maintenance manual must be provided with the completed unit including Service Book, with the exception of the following:
 1. Two (2) operators manuals
 2. Two (2) maintenance manuals

1.1.88 Auxiliary Equipment

- The following equipment will be furnished with the completed unit and will be professionally mounted. The below noted equipment list, amongst others, includes the full list of equipment as prescribed by NFPA 1901, 2009 edition, section 5.8.2 and 5.8.3:

Item no.	Item description
01	1 x Hydraulic cutter
02	1 x Hydraulic spreader
03	1 x Hydraulic small ram
04	1 x Hydraulic large ram
05	2 x hydraulic hoses
06	1 x hydraulic motor
07	1 x Hydraulic hand pump
08	2 x Chock blocks sets
09	2 x Airbag steering covers
10	1 x Set edge protective cover
11	1 x Glass master
12	4 x High pressure airbags (small, medium, large, and extra-large)
13	2 x 10m airbag hoses
14	1 x Airbag regulator (first stage)
15	1 x Deadman controller (second stages)
16	20 x 65mm double jacket fire hoses (NST coupling)

17	20 x 38mm double jacket fire hoses (NST coupling)
18	6 x fire branches (750l/m)
19	2 x fire branches (360l/m)
20	2 x play pipes
21	5 x SCBA backpack assembly
22	9 x SCBA cylinders
23	1 x Medical jump bag
24	1 x Rubber Mallet
25	2 x Salvage sheet (3.7m x 4.3m)
26	10 x Traffic cones
27	1 x Automated External Defibrillator (AED)
28	4 x BIC female adaptors
29	4 x BIC male adaptors
30	4 x Reduces adaptors
31	1 x PPV fan
32	1 x chain saw
33	1 x Carborandum cutter
34	1 x Low expansion foam branch
35	1 x Medium expansion foam branch
36	1 x 225l/m inline inductor with a pick up tube
37	1 x 450l/m inline inductor with a pick up tube
38	1 x reciprocating saw
39	1 x angle grinder
40	1 x 30m extension cord
41	1 x Pick headed axe (with a robust plastic handle)
42	1 x Flat headed axe (with a robust plastic handle)
43	1 x Pry axe
44	1 x Haligan tool
45	1 x Spine board
46	1 x Scoop stretcher
47	2 x Portable oxygen cylinder
48	2 x Pin index oxygen regulator with containers
49	1 x Kendrick Extrication Devise adult and child
50	1 x Traction splint adult and child
51	4 x Standpipes (key and bar)

52	2 x Hydrant wheels
53	2 x Hydrant keys (X shape)
54	2 x High volume hose spanner
55	1 x 65mm collecting breeching
56	1 x 65mm dividing breeching
57	1 x Set of general spanners (10, 11,12,13,14,15,17,19, battery plies, normal plies, long nose plies, and shifting spanner)
58	1 x Woodlands hydrant adaptor
59	2 x 65mm hose ramps
60	2 x Dry chemical powder extinguisher
61	2 x CO2 extinguisher
62	1 x Electrical generator
63	1 x Large bolt cutter
64	1 x Small bolt cutter
65	1 x Bow saw
66	1 x Hack saw
67	2 x Safety belt cutters
68	1 x Pitch fork
69	1 x Combination fuel/oil can
70	5 x 100mm double jacket high volume supply hoses
71	2 x Pike poles
72	1 x Ground monitor
73	1 x Battery suction unit
74	2 x Stabilizing head blocks sets
75	1 x Bag valve mask (manual resuscitator) adult, child, and infant
76	2 x spider harness
77	4 x Shoulder pack straps
78	1 x Roof ladder
79	1 x Submersible pump
80	Bowring
81	Suction spanner
82	Pick and handle
83	Two section ladder

1.1.88.1 Equipment specification

Item 1: Hydraulic cutter

A portable hydraulic cutter with the following minimum requirements:

- Minimum working pressure – 720 bar
- Minimum blade opening – 170 mm
- Minimum cut force – 1420 KN
- Weight – not exceeding 23 kg
- Single quick acting coupling-core

Item 2: Hydraulic spreader

A portable hydraulic spreader with the following minimum requirements:

- Minimum working pressure – 720 bar
- Minimum blade opening – 170 mm
- Minimum spreading force – 280 KN
- Weight – not exceeding - 23 kg
- Minimum Pulling force – 130 KN
- Single quick acting coupling-core
- Minimum spreading distance – 610 mm

Item 3: Hydraulic small ram

A portable hydraulic small ram with the following minimum requirements:

- Minimum working pressure – 720 bar
- Weight – not exceeding - 18 kg
- Minimum Pulling force – 130 KN
- Single quick acting coupling-core
- First stage push force – not less than 229 KN
- Second stage push force – not less than 83 KN

Item 4: Hydraulic large ram

A portable hydraulic large ram with the following minimum requirements:

- Minimum working pressure – 720 bar
- Weight – not exceeding - 20 kg
- Minimum Pulling force – 130 KN
- Single quick acting coupling-core
- First stage push force – not less than 229 KN
- Second stage push force – not less than 83 KN

Item 5: Hydraulic hoses

- Single quick acting couplings- core
- Minimum length- 10m
- Colour – two hoses with two different colours except black

Item 6: Hydraulic motor**A portable hydraulic motor with the following minimum requirements:**

- Minimum working pressure- 720 bar
- Maximum Weight - 35 kg
- Minimum Motor horse power - 6.5 hp (4 stroke petrol)
- Minimum displacement - 196cc
- Hydraulic pump – two stage radial piston over piston
- Tool operation – two tools simultaneous operation
- Single quick action coupling-core

Item 7: Hydraulic hand pump**A portable hydraulic hand pump with the following minimum requirements:**

- Minimum working pressure - 720 bar
- Effective oil contents: 1800 cc
- 2-stage pump unit with output 1st and 2nd stage: min. 28 cc -and 2,3 cc
- Maximum weight - 12 kg
- Single quick action coupling-core

Item 8: Chock block set

- Must be made from plastic (HDPE-high density polyethylene)
- Non-absorbent, oil and chemical resistant and resistant to blood borne pathogens
- Virtually indestructible
- High-visibility lanyards for easy carrying and gripping
- The set must be black in colour

Item 9: Airbag steering covers

- easy to install, within seconds
- suitable for all types of vehicles
- must be provided with a synthetic storage box with wall-mounting bracket

Item 10: Set edge protective cover**General Construction Features**

- 6 Pillar covers at least 280mm by 240mm broad
- Side window sheets at least 500mm*700mm
- 1 Windshield cover at least 1400mm*800mm
- 1 Side removal sheet 1850mm*1200mm

Additional

- Sheets must be fitted with magnets on the edges to keep sheet in position
- Pillar Covers must be fitted with tie down straps or Velcro stapping

Manufacturing Material

- Rip-stop
- Woven Polyester
- At least 280g per square meter
- Unbrushed
- Must be scotch guard treated

Item 11: Glass master

- Must cuts on pull stroke
- Must also be used on fiberglass, wood, plaster or even underwater rescue.
- Storage of the spring-loaded center punch
- Precision made of high strength aluminum alloy.

Item 12: High pressure airbags (small, medium, large, and extra-large)**Small**

- Must have a lifting force: minimum of 900kg
- The inflation height must be : minimum of 80 mm
- Dimensions (LxW) must be : maximum 150mm x150 mm
- The Thickness including profile must be at maximum of 22 mm
- The Weight must be at maximum of 0,6 kg
- Must be made of rubber compound, reinforced with 3 aramide (Kevlar) inlays
- Must be Equipped with light reflecting labels

Medium

- Must have a lifting force: minimum of 24 000kg
- The inflation height must be : minimum of 215mm
- Dimensions (LxW) must be : maximum 1000mm x310 mm
- The Thickness including profile must be at maximum of 25mm
- The Weight must be at maximum of 9.5 kg
- Must be made of rubber compound, reinforced with 3 aramide (Kevlar) inlays
- Must be Equipped with light reflecting labels

Large

- Must have a lifting force: minimum of 32 000kg
- The inflation height must be : minimum of 380mm
- Dimensions (LxW) must be : maximum 658mm x 658mm
- The Thickness including profile must be at maximum of 25mm
- The Weight must be at maximum of 13.0kg
- Must be made of rubber compound, reinforced with 3 aramide (Kevlar) inlays
- Must be Equipped with light reflecting labels

Extra Large

- Must have a lifting force: minimum of 68 000kg
- The inflation height must be : minimum of 520mm
- Dimensions (LxW) must be : maximum 908mm x 908mm
- The Thickness including profile must be at maximum of 25mm
- The Weight must be at maximum of 24.0kg
- Must be made of rubber compound, reinforced with 3 aramide (Kevlar) inlays
- Must be Equipped with light reflecting labels

Item 13: airbag hoses

- The minimum length must be 10m
- Must be supplied with two hoses with different colours.
- Must be equipped with push lock couplers
- The hose must be made of Polyurethane

Item 14: Airbag regulator (first stage)

- Must have a Pressure reducer with PUSH LOCK couplings.
- It must reduce pressure from 300 Bar to operating pressure with max 12 Bar outlet pressure
- It must Indicate Cylinder Pressure and set operating pressure

- It must be suitable for 300 bar
- It must be supplied with 2m hose.

Item 15: Deadman controller (second stage)

- It must have a Dual Operations (Inflates and deflates)
- It must have a Safety Pressure release automatic valve
- Must have a Dead man safety system
- It must have two (2) Pressure Gauges

Item 16: 65mm double jacket fire hoses (NST coupling)

- Must have National Standard Thread
- Minimum 30 Meter
- Must be double jacketed
- Must be Canvas Hose
- Must have 100% Synthetic high tensile all polyester double jacket
- Must have 100% Mildew resistant
- Must be single-ply synthetic polyurethane liner resists ozone
- Reduced weight,
- Increased flexibility
- Must be tested and stenciled in accordance with NFPA Standard 1961
- Must have minimum one year warranty for manufacturing defects and delamination

Item 17: 38mm double jacket fire hoses (NST coupling)

- Must have National Standard Thread
- Minimum 30 Meter
- Must be double jacketed
- Must be Canvas Hose
- Must have 100% Synthetic high tensile all polyester double jacket
- Must have 100% Mildew resistant
- Must be single-ply synthetic polyurethane liner resists ozone
- Reduced weight,
- Increased flexibility
- Must be tested and stenciled in accordance with NFPA Standard 1961
- Must have minimum one year warranty for manufacturing defects and delamination

Item 18: fire branches (750l/m)

- Must be manufactured of a metal alloy

- Must be fitted with pistol grips
- Must have a stainless steel shut-off sliding cylinder shut off valve
- Must have adjustable tip - Flush, fog to straight stream
- Must be integrated debris screen.
- Must fit 38mm/ 1.5inch hoses with NST female couplings
- Must have a selectable litre nozzle from approximately 100 l/min to 750l/min
- Must be fitted with suitable steel/aluminum material spinning fog teeth
- Must have variable setting of nozzle litre by means of shut/ open sliding valve
- Must have minimum 5 Years Product Warrantee
- Must meet NFPA 1964 standards or EU Standards

Item 19: fire branches (360l/m)

- Must be manufactured of a metal alloy
- Must be fitted with pistol grips
- Must have a stainless steel shut-off sliding cylinder shut off valve
- Must have adjustable tip - Flush, fog to straight stream
- Must be integrated debris screen.
- Must fit 38mm/ 1.5inch hoses with NST female couplings
- Must have a selectable litre nozzle from approximately 100 l/min to 360l/min
- Must be fitted with suitable steel/aluminum material spinning fog teeth
- Must have variable setting of nozzle litre by means of shut/ open sliding valve
- Must have minimum 5 Years Product Warrantee
- Must meet NFPA 1964 standards or EU Standards
- Variable setting of nozzle litre by means of shut/ open sliding valve
- Minimum 5 Year Product Warrantee
- Meets NFPA 1964 standards or EU Standards

Item 20: Play pipes

- Axial Play pipe with stacked tip smooth bore nozzle with 7cm, 3,5cm & 2,5cm outlets.
- Must be equipped with removable debris screen, durable metal ball and a smooth waterway.
- Must have fulltime 6.35cm Swivel,
- Must have 65mm female NST coupling.
- Maximum weight: 3.3kg.

Item 21: Self-contained Breathing Apparatus (SCBA) backpack assembly

- The back plate shall be a one-piece, anti-static composite construction with orthopedic design so as to evenly distribute the weight of the SCBA over the user's lumbar region, hips and shoulders.
- The waist pad shall swivel and pivot from side to side by approximately 20 degrees to increase comfort and stability when moving.
- The shoulder and waist padding must be constructed from a high abrasion resistant, high puncture resistant, light weight, water resistant compression formed EVA. The shoulder and waist padding shall be chemical resistant and fire retardant.
- The harness webbing must be constructed of a strong, hard wearing type material.
- The shoulder pads must be designed with an ergonomic body contoured comfort style to maintain shape when worn, providing comfort and freedom of movement, wide for optimal support. Shoulder and waist belt harnessing must be independently adjustable.
- Shoulder and waist adjustment friction buckles must be of Flame Retardant polyamide construction.
- Each shoulder and waist harness padding must be easily detached from the back plate by a quick release button only. This will allow for easy cleaning and disinfection of the harness if requires without the use of tools.
- To enable rapid donning without obstructing other wearers in ,for example, confined spaces or Fire Appliance cabs, the waist adjustment should be by means of twin 'pull forward' adjusting straps
- A cam-lock mechanism shall be used to secure the cylinder strap in place to ensure simple and secure operation.
- The cylinder strap shall accommodate a complete range of sizes of cylinders without the use of tools.
- The pneumatic system must be easy to detach from the back plate and harness.
- Hoses must be routed in hose channels inside the back plate to eliminate snag potential, including over the shoulder rescue hoses.
- Hoses must be attached to the harness via hose clips. These clips must not be detached when removing hoses for cleaning.

Monitoring

- The breathing apparatus should available complete with either a pneumatic pressure gauge or an electronic monitoring unit as described below:

Pneumatic Pressure Gauge

- Pneumatic pressure gauge must be fully luminescent.
- The low pressure whistle warning device must be integrated into the pressure gauge hose close to the gauge.
- The pneumatic gauge must be encased by a protective rubber cover.
- The pneumatic gauge must be located over the left shoulder.

The Personal Alert Safety System (PASS) device must integrated on the pneumatic pressure gauge

- Manufacture by an ISO 9001:2000 certified company
- Continuous location Flashes
- Manual Alarm or Tone delay
- Movement detector
- Pre-set alarm after 30 seconds of no movement
- Pre Alarm at minimum 75 dba
- Full Alarm at minimum 90db at 2m in free air
- Frequency range 2.5Khz – 3.5 KHz
- LED Flashes with distress alarm
- 1 flash every second
- EMC tested and Approved
- Small and low profile maximum dimension metric 140 mm* 100mm*50mm
- Weight maximum 400 grams
- Low battery indicator Audio/ Visual

Item 22: SCBA cylinders

- Cylinder must be a 300 bar pressure vessel
- Must provide test Certificate with all cylinders
- Minimum 6l water capacity
- The cylinder must be suitable for firefighting purpose
- The cylinder must be manufactured from a seamless aluminum liner (Carbon Fibre), which is subsequently over wrapped with carbon and glass fibers.
- The cylinder must have an excess flow valve to prevent uncontrolled flow on accidental opening.
- The cylinder must have a single valve activation and ratchet to prevent inadvertent valve closure.
- Must be light weight

Item 23: Medical jump bag

- The item should be a Load n' Go.
- It must be designed to keep equipment organized and quickly accessible using transparent pockets and elastic holsters that are arranged in a book-style configuration
- It must be Foam-lined construction maintains pack shape and protects contents
- It must have Clear, durable urethane windows, mesh pockets, and elastic holsters keep contents in place and well-organized
- It must have Ergonomic, padded shoulder straps and back panel for comfort during transport
- It must have a Quick Zip access to front compartment
- Zips must be robust and hold a life time warranty/Guarantee
- Large side pockets must allow quick access to vital sign tools
- Must be designed to carry drug module bag, Quick Roll intubation kit, LED light attachment point.
- Must have Pathogen Resistant material (black)
- Must have Transparent sleeves and windows
- Must be a Sturdy, high-tech construction
- Must have an IV module
- **Colour:** tactical black/ or red
- **Must have a minimum Capacity** of 42606 cm³
- **Minimum Size must be :** Height = 50 cm. Width= 48 cm, Diameter =17 cm
- Front side of bag to be marked in reflective material of the City of Johannesburg and EMS logo

Item 24: Rubber Mallet

- Must be an unbreakable nylon rubber mallet
- Non slip grip fiberglass handle, epoxy glued and pinned.

Item 25: Salvage sheet minimum (3.7m x 4.3m)

- Must be treated with a fire and water resistant finish.
- Must meet requirements for NFPA-701 (large scale), and CPAI Section 6.
- Must have water resistant finish and mildew inhibitors.
- Must easily be wiped clean.

Item 26: Traffic cones

- Safe, compact, highly visible
- Must SABS Standards
- Must be constructed of orange plastic material.
- Must have reflective strip of minimum of 5cm wrapped around the cone
- Must meet the new 2009 NFPA 1901 apparatus standard

Item 27: AED

- Automated external **DEFIBRILLATOR WITH ECG SCREEN AND MANUAL OVERRIDE (UNIT)**
- Complete unit must include each replaceable accessory as specified within the series
- Complete Operation/Maintenance Manual Book/File copies in English Language must be provided.
- The unit must comply with an acceptable International Safety Standard such as IEC 60601-1 and 60601-1-2 and ISO 13485, ISO 9001 for Medical Equipment.
- The service provider must maintain a system for notifying and providing Users with Updates, Modifications, and Software Releases and Recalls.
- Training in the operation of the unit must be provided.
- All Equipment, Materials and Workmanship provided under this contract must be guaranteed for a minimum period of 2 years.
- The service provider to note that the Guarantee period must only take effect upon successful commissioning and delivery of this unit.
- The unit being bid for must be a button operation BIPHASIC semi-automated external defibrillator and it must be suitable for ground mobile, ambulance use and ward use in Hospitals.
- The unit being bid on must be lightweight less than 3.4kg, it must be robustly constructed, it must incorporate the latest and reliable BIPHASIC technology and the unit **must conform to IEC 601-2-4 “Particular requirements for the safety of cardiac defibrillators”**.
- The unit being bid on must be able to perform impedance compensation before delivering a shock to a patient. 2
- Design Standards: should meets AAMI DF-80, EN 60601-1, EN 60601-1-2 and ISO 13485, ISO 9001
- P55 dust-water ingress rating
- Passed the 1 meter drop test
- Three-lead patient monitoring

- Manual override offer flexibility in monitoring, analysing, and delivering treatment.
- Real-time feedback on both the rate and depth of chest compressions to enhance CPR resuscitation quality. Internal recording of up to four events
- **SCREEN**
 - High-resolution LCD display.
 - Screen Size: not less than 76.7mm Width x 57.7 mm Height.
 - Sweep Speed: not more than 25 mm/sec.
 - Viewing Time: not more than 3 seconds.
 - Displayed Information on Heart rate, ECG waveform, CPR bar graph, battery gauge, elapsed time, number of shocks delivered
 - Defibrillator Energy: 50, 70, 85 joules (paediatric); 120, 150, 200 joules (adult)
 - Type: Internal non-volatile memory.
 - Memory Capacity: With audio recording enabled, 20 minutes of ECG, operator and device actions;
 - Without audio recording, 1.45 hours each for 4 patient records or up to 5.8 hours for a single record of ECG and event data.
 - Expanded external data storage and transfer available with USB memory stick (not included).
 - Event Review & Reporting: Code Review software version 3.30 or higher.
 - Communications: IrDA infrared wireless for communication with personal computer or external
 - USB memory sticks transfer.
 - Charge Time: Less than 10 seconds with a new fully charged battery

Item 28: British Instantaneous Coupling (BIC) female adaptors

- Must be made out of cast aluminum
- Must be female 65mm BIC to female 65mm NST coupling

Item 29: BIC male adaptors

- Must be made out of cast aluminum
- Must be male 65mm BIC to male 65mm NST coupling

Item 30: Reducer adaptors

- Must be made out of cast aluminum
- Must be 65mm Female BIC to 38mm Male NST coupling

Item 31: Positive Pressure Ventilation (PPV) fan

- Must be made out of cast aluminium 7-blade air foil propeller
- Blade must have low noise, high output design
- Power from standard, variable speed gasoline motor
- Direct drive system eliminates shaft for years of trouble free operation
- Cart style design with rear mounted wheels and pull-up full height, full width handle for easy maneuverability
- Locking step brake to make setup lightning fast
- The airflow test must be certified by the Third party.

Item 32: Chain saw

- Must have On/Off Switch
- It must have 68-80cc Two stroke engines
- Must be a Low fuel consumption
- Must have a reduced exhaust emission levels in accordance with environmental regulations.
- Must have an Active vibration reduction
- Must have an Air Purge system to assist with easy start
- Must have a Visible Fuel Level indicator
- Must have 400mm to 500mm guide bars
- Must be Fitted with Chainsaw chains with the following pitch 3/8
- Must be fitted with Chain guards
- Must have Instant manual chain breaks
- Must have Inertia Chain Break Automatic chain break if an automatic kick back is experienced
- Must have a Tool less Chain and adjuster to be easy to reach
- Must be fitted with decompression valve to make for easy starting
- Must be Fitted with an cold start device (Choke manual or automatic)
- Must have a Tool kit consisting of Plug spanner, screw driver and tools required for maintenance
- Must be Provided with Chain Protector
- Must be supplied with one spare chain and a sharpening kit.

Item 33: Caborandum cutter

- Must have On Off Switch
- 2.5- 3.7 kw Petrol motor (Two stroke)
- Must be fitted with a cold start device (Choke manual or automatic)
- Must be air cooled
- Must have active triple air filtration in cases of concrete cutting
- Must fit 300mm to 400mm abrasive disks
- Must have decompression switch for easy start
- Must have a reversible cutting arm
- Must have easy adjustable blade guard
- Must have active vibration dampening system
- Must have clearly visible Fuel indicator
- The noise must be below 120db
- Must have automatic Lubrication of Clutch bearing

Item 34: Low expansion foam branch

- Must be minimum 850 L/min at 7 bar
- The Branch Pressure must be between 3 Bar and 8 Bar
- Expansion ratio minimum 10:1
- The Flow Rate must be of minimum 300L/min
- The branch must be of minimum 14 meter throw
- The Output must be minimum 15m³/min
- The Inlet side must be 65mm female NST inlet.
- The couplings must be made out of Light alloy
- Epoxy painting aluminium handle.
- It must have a maximum weight 4 Kg

Item 35: Medium expansion foam branch

- Must be a minimum of 450 L/min at 7 bar
- Branch Pressure must be a minimum 2.5 Bar
- Expansion ratio must be a minimum 55:1
- Flow Rate must be a minimum 270L/min
- Must have a minimum of 8 meter throw
- Output must be a minimum 15m³/min
- Must have an inlet Of 65mm female NST.
- Must be made of Stainless steel
- Couplings must be made Light Alloy

- Must be Chrome plated brass nozzle.
- Must be Epoxy painting aluminium handle.
- Must have a Stainless steel gauze.
- The branch must be Maximum weight of 7 Kg

Item 36: Inline inductor with a pick up tube

- Must produce a minimum of 225 L/min at 7 bar
- Must have a setting between 1-6% induction of foam concentrate
- It must be adjustable at a Minimum of 4.5 Bar pressure
- It must have Maximum operating pressure 10 Bar
- Must be a Venturi-type inductor devices,
- Inlet must be a 65mm female NST
- Outlet must be a 65mm Male NST

Item 37: Inline inductor with a pick up tube

- Must produce a minimum of 450 L/min at 7 bar
- Must have a setting between 1-6% induction of foam concentrate
- It must be adjustable at a Minimum of 4.5 Bar pressure
- It must have Maximum operating pressure 10 Bar
- Must be a Venturi-type inductor devices,
- Inlet must be a 65mm female NST
- Outlet must be a 65mm Male NST

Item 38: Reciprocating saw

- It must be Rugged rubberized Constructed
- It must operate at 220v
- It must have a Minimum of 1200watt
- It must have a Minimum of 2300 strokes under no load
- The Strokes length must have a minimum 25mm
- It must have an Active anti vibration
- It must have Variable strokes rate settings
- Must have Keyless blade clamp
- Must have Keyless Adjustable contact shoe for depth setting
- Must have Orbital action
- Must have a Removable handle for stabilizing tool
- Must be Below 5kg in weight
- Must be Completed with rugged case with 20 packets special metal blades

- Must have a minimum of 1m electrical cord with 3- point plug
- **Item 39: Angle grinder**
 - It must fit a minimum of 230mm Cutting Disks
 - It must be 14mm Spindle Thread
 - Cutting depth must be a Minimum of 60mm disk with new disk
 - It must be able to operate at 220 Volt
 - It must have a Smart Power technology to ensures constantly high cutting performance
 - The Cutting power must be minimum of 2300 Watts
 - The Blade Speed without load must be minimum of 6400 rpm
 - It must have Quick-acting brake stops the disc within 2.5 seconds.
 - It must be Double Insulated
 - It must have a Movable Disk Guard
 - It must have a Rugged dust removal hood and soft grips for virtually dustless operation and greater safety
 - It must have a Vibration reducing side Handle
 - It must have a rotatable grip for a comfortable working position
 - It must have a Minimum 4m Power cord
 - It must have an Operating sound level not greater than 105 dB if measured in accordance to EN 60745
 - It must have an Operator controlled Start up switch
 - It must have an Active Torque Control to protect operator
 - It must have an Active Vibration Reduction

Item 40: Electrical Extension cord

- Must be made out of Steel drum and frame
- Must be 2 x 3 point electrical outlets fitted in the steel drum
- The Electrical cable must have a minimum of 15A
- It must be 30 meter length of cable
- It must have 3 point plug fitted

Item 41: Pick headed axe (with a robust plastic handle)

- Must have a high grade tool steel
- The Head must be heat treated
- The Handle must be rated at a minimum 500 kg

- Must have a strong protruded fiberglass core with an injection molded jacket for added strength
- The Axe head must be bonded to the fiberglass handle with strong two part epoxy
- The Axe head must be a drop forged with high carbon steel
- The Fibre Glass Handle must be a minimum 850mm
- The Flat Cutting Blade must a minimum of 1.5 kg
- It must have a minimum of 8cm Pick side.

Item 42: Flat headed axe (with a robust plastic handle)

- Must have a high grade tool steel
- The Head must be heat treated
- The Handle must be rated at a minimum 500 kg
- Must have a strong protruded fiberglass core with an injection molded jacket for added strength
- The Axe head must be bonded to the fiberglass handle with strong two part epoxy
- The Axe head must be a drop forged with high carbon steel
- The Fibre Glass Handle must be a minimum 850mm
- The Flat Cutting Blade must a minimum of 1.5 kg

Item 43: Pry axe

- It must be lightweight
- It must be multi-purpose, slam, ram tool designed to pry and twist.
- It must Chop, cut metal, twist off locks or latches
- The Head and claw must be from a separate sections
- Must be forged from high-alloy steel
- Must be heat treated for maximum strength.
- Solid steel shaft must extends the axe to a minimum of 71cm
- Sure grip machine-grooved must have rubber Grips
- The Maximum weight must be 5kg
- It must be a Standard claw,
- Duckbill must have long, smooth incline to force windows and interiors doors.
- Pike must be long, sharp, tapered and gently curved to fit a lock or latch.
- Must have the following:
 - Pike
 - Recessed blade
 - Axe blade
 - Teeth

- Spanner wrench
- Extended shaft
- Claw shaft
- Shaft release
- Standard claw with gas shutoff

Item 44: Haligan tool

- It must be made out of Heavy duty Steel or steel alloy
- The Machine grooved must have non- slip grips
- The Inclined Duckbill must be Long and smooth
- The Pike must be long, tapered and gently curved to fit a lock or a latch
- Must be Fitted with standard Claw and metal cutting claw

Item 45: Spine board

- Must be a Full length adult plastic spine board: minimum Length of 185cm, minimum Width of 45cm and minimum thickness of 5cm.
- The Load Capacity must be minimum of 150kg repeatedly whilst board is supported only at the head and feet.
- Must be made of strong plastic and sealed with a smooth finish.
- Minimum of 12 hand-holds around the board and support runners on the under-side (inside) of the board.
- Must be able to be used in any weather condition (e.g. hot and cold) and within water without any loss of innate strength and/or load capacity.
- Must include a test certificate regarding the ability of the spinal board to carry a capacity of not less than 150kg loads on repeated occasions whilst being supported only at the head and feet.
- It must be suitable to be used with a spider harness.
- Must be made of durable polycarbonate, polypropylene
- It must be suitable for X-ray Translucent
- Must have Angled edges for Log Rolling
- Must have a Central Slot in lower half of board, allowing for immobilizing each leg
- Must have a Narrow Foot end

Item 46: Scoop stretcher

- It must be suitable for moving, immobilizing, lifting and carrying patient in the pre-hospital care environment.

- The stretcher must allow the EMS practitioner to place a stretcher beneath the patient without moving the patient, therefore reducing the risk of further injury.
- Length Opened must be maximum of 166cm
- Length Folded must be maximum of 120cm
- Width Open must be maximum of 43cm
- Weight must be maximum 7kg
- Minimum Load Capacity of 159kg
- Must fold for compact storage
- The unit must have telescoping tubes allow length adjustments to fit patients of various heights.
- The unit must have a narrow foot frame for handling in confined areas. Foot frame handles to be tapered upwards to allow ease of lifting.
- It must be able Uncouple at two ends
- It must have a Narrow Foot end
- It must have a Telescoping tubes allowing length adjustments
- Open Center design to allow for x-rays to be taken
- Must be made from high quality Aluminium
- Each scoop must be designed with a minimum of 8holes to fit a standard spider harness.

Item 47: Portable oxygen cylinder

- Must have Pin index connection
- Must be made of Aluminium body
- Must Holds a D-sized tank.
- Dimensions must be at minimum of: Diameter 11cm , Length 40cm.
- Must have a black body with white neck
- Must include the rust plastic casing.

Item 48: Pin index oxygen regulator

- Must have a Dial Click Stop Constant Flow with Pressure Gauge to Register Cylinder Pressure.
- Oxygen must be delivered through Click Stop; Hand Dial marked 0-25 l/min.
- Construction must be : Outer body - Aluminium, Inner Liner - Brass
- Regulator must be supplied 3 x BODOC seals.
- Pressure Dial must be protected by a rubber type ring. The device must be able to operate input pressure of at least 200 bars.
- Must carry a minimum of 2 years Warranty

- Must have a Therapy flow rate selector
- The flow rate must be indicated in the display window choose from ½, 1, 2, 3, 4, 6, 8,10 or 15 litres per minute

Item 49: KED

- The item should be Ideal for immobilizing and extricating the patient from Motor Vehicle Incidents and/or confined spaces.
- Rigid Spinal (back) support extrication device with built-in neck support and chest flaps.
- Unit must be capable of immobilization of spinal cord when correctly applied.
- Weight should not exceed 3 kg. Must include 2 forehead/chin restraints that attach to a movable head immobilization system, and carry case.
- Chest and extremity straps must be color- coded with sewn-in securing straps and snap-lock quick release buckles.
- Carrying handles must be securely attached to the device in such a way as to withstand a patient's weight up to 40kg with no loss of integral strength.
- Covering material must be heavy-duty, vinyl-coated nylon or similar, durable and washable.
- Should secure to the patient in the seated and/or standing position.
- Must be able to be used for multiple patient sizes.
- The adjustable, fold-back sides permit easy access to patient chest.
- The wraparound design should provide horizontal flexibility for easy application and vertical rigidity for maximum support of the spine, neck and head during extrication.
- Maximum load capacity must not be less than 60 kg
- Restraint straps must be a minimum of 25mm nylon webbing with snap-lock quick release buckles.
- The device must carry a minimum of a two year guarantee.
- X-ray, MRI (Magnetic resonance imaging) and CT (computed tomography) Scans as well as advanced life support procedures should be able to be performed with the device in place.
- **Must be**
 - Extricating patients from auto accidents and confined spaces.
 - Immobilizes head, neck and torso
 - Color-coded traps for visibility.
 - Wrap around design provides horizontal flexibility for application and vertical rigidity for support.
 - Three handles sewn in.

- Wrap around vest
- Two head straps and carrying case.
- Vinyl-coated nylon case.

- **Pediatric/Child**

- Length: between 79-117 cm
- Width: not less than 20cm
- Height: between 5cm-20cm
- Weight: not more than 1 kg

- **Adult**

- Length: between 89-137 cm
- Width: not less than 23 cm
- Height: between 8cm-23cm
- Weight: not more than 2kg

Item 50: Traction splint adult and child

- The unit must be a light weight femoral traction splint for use in the pre-hospital environment.
- The unit must be capable of immobilization and traction of fractured femurs.
- The unit must be easily applied. (One person application) nothing to assemble – always ready to use.
- Incorporate an articulating ischial perineal cushion that is comfortable and conforms to the pelvis, simplifying pelvic procedures.
- It must permit traction to decrease as the spasm releases.
- The Child unit must be adjustable for a range to fit an infant to a child of 6 years.
- The unit must be able to be applied with minimum movement of the legs.

Construction

- It must be lightweight aluminium and stainless steel constructed.
- It must compact to allow for easy storage.
- It must have a Telescoping frame for adjusting length.
- All points of possible contact with patient must be protected to prevent pressure injury.
- It must be completed with a carry case

- It must provide inline mechanical traction by means of a quick release ratchet strap
- It must have an adjustable length
- It must have a simple adjustable wrap around ankle hitch designed to allow for the monitoring of pedal pulses
- It must have Soft padded leg straps
- It must have Low-profile ischial pad allowing the splint to be applied minimum movements of injured leg
- It must have a Folding Heel stand: Folding flat for storage and instantly locks in place for support

Item 51: Standpipes

- Must be made out of Steel alloy
- Must be at a maximum of 1m and 1.5m long
- The swivel head must be 65mm diameter Female instantaneous
- Must fit the London V thread (LVT) 65 mm
- London Round Thread to London V thread adaptor to standpipe with a 5mm steel cable
- Must be supplied with key and bar

Item 52: Hydrant wheel

- It must be constructed from Aluminium Alloy
- Minimum Dimension: Diameter 150mm, Thickness 20mm
- Finishing must be red powder coated
- Must indicate close and open directions

Item 53: Hydrant keys (X shape)

- Must be made out of Stainless steel construction
- Must be wheel spanner shape

Item 54: High volume hose spanner

- Must Fits 100mm Storz Couplings and 65mm NST Couplings

Item 55: 65mm collecting breeching

- Must be made out of Lightweight aluminium alloy
- Must have 2 x 65mm NST female Inlets
- Must have a Self-locking valves for positive handle positioning.
- 1 x 65mm NST Male outlet

Item 56: dividing breech

- Must have 65mm NST female Inlet
- 2 x 65mm NST male outlets
- Must be constructed of hard Anodized Metal
- It must have an Aluminium Shut off valves with high tensile control handles
- It must have Self-locking valves for positive handle positioning
- It must have a minimum weight of 7 Kg
- Must be flow efficient at a minimum of 2400L/min through each valve.
-

Item 57: Set of general spanners (10, 11, 12, 13, 14, 15, 17, 19)

- All spanner to be constructed in stainless steel :
 - Battery plyers
 - normal plyers
 - long nose plyers
 - 250mm shifting spanner

Item 58: 100mm Woodlands hydrant adaptor

- Must fit 100mm
- Must be made out of steel alloy
- Must be 100mm inner diameter
- Must be fitted with 100mm Storz coupling and blank cap.

Item 59: 65mm Woodlands hydrant adaptor

- Must fit 65mm
- Must be made out of steel alloy
- Must be 65mm inner diameter
- Must be fitted with 65mm Storz coupling and blank cap.

Item 59: 65mm hose ramps

- Bridges must give you economical hose line protection for up to 65mm hose lines.
- It must be not less than 30cm wide and can be interlocked to any width
- Must be equipped with reflective safety strips for added visibility.
- Must be made of fibre reinforced rubber.
- Must accommodate two hoses.

Item 60: Dry chemical powder extinguisher

- Must be suitable for Class B flammable liquid fires and is electrically non-conductive.
- Must be made out of Steel cylinder
- Must be 9kg

Item 61: Carbon Dioxide (CO2) extinguisher

- Must discharge a white cloud of “snow” which smothers a fire by eliminating its oxygen.
- Must be suitable for Class A and B, and should electrically non-conductive.
- Must be 9kg steel cylinder.

Item 62: Generator

- Must have an On/Off Switch
- Must have minimum of 4.5Kva
- Must operate at 220 volt
- Must have a Petrol driven motor (Four stroke)
- Must be Fuel efficient with at least 2 hours per 5 litre of Fuel
- Must be fitted with 2 three point plug points in a wear resistant housing fitted to steel frame.
- Must have an Electronic circuit breaker
- Must have a Steel Framed protecting the mechanical operating parts
- Must be Fitted Petrol tank with a shut off valve
- Must be Fitted with an cold start device (Choke manual or automatic)
- Must have Low oil protection with automatic shutdown
- Must have a minimum 2 years commercial use warranty

Item 63: Large bolt cutter

- Must have a minimum of 750mm long
- Must have heavy duty jaw bolts
- Must have heavy duty straps
- Must have rounded edge cutters to Brinell 400 and Rockwell C42 hardness
- It must have nose Straps

Item 64: Small bolt cutter

- Must have a minimum of 450mm long
- Must have heavy duty jaw bolts
- Must have heavy duty straps
- Must have rounded edge cutters to Brinell 400 and Rockwell C42 hardness
- It must have nose Straps

Item 65: Bow saw

- It must have a minimum of 500mm cutting length
- It must have a Blade Tensioner

Item 66: Hack saw

- It must a minimum of Not 300mm cutting length
- It must have a steel rap around handle

Item 67: Safety belt cutter

- It must cuts through seat belts.
- Its Precision must be made of high strength
- Must be made out of Aluminium alloy.
- The Tip must be fitted with Dzus Key for opening aircraft panels.
- Must cut 4500kg strength webbing with one stroke.

Item 68: Pitch fork

- Must be made out of Malleable iron head
- The handle must be Fibreglass and round
- It's butt must be made out of rubber

Item 69: Combination fuel/oil can

- Must be SABS Approved for combustible liquids
- Must be made from a durable material
- Fuel capacity must be of no less than 4 litres and not more than 6 litres
- Must hold up to 2 litres of oil
- Pouring spouts must be incorporated into closing lids

Item 70: 100mm double jacket high volume supply hose

- Must be a Storz Couplings
- Must be 15 Meter long
- Must be Double Jacketed
- Must be Canvas Hose
- Must be 100% Synthetic high tensile all polyester double jacket
- Must be single-ply synthetic polyurethane liner resists ozone
- Must mildew resistant
- It must be lightweight
- It must have an increased flexibility
- It must be tested and stenciled in accordance with NFPA Standard 1961

Item 71: Pike pole

- Must be made out of malleable iron head and fiberglass round handle
- Must have hook and tooth
- Must have a Rubber Butt

Item 72: Ground firefighting monitor

- Must be Portable and Manually operated
- Must have 2x 65mm NST Female inlet fittings.
- Must have High Flow Rate
- Must be Fitted with nozzle
- Must be Adjustable nozzle from fog to jet
- Must have adjustable height
- It must rotate at a minimum of 270 degree

Item 73: Battery suction unit

- The item must be a Hand-Held, Hand-Powered, Portable Suction Unit.
- Must have a container for aspirated contents, which is easily disassembled and reassembled.
- Must have an overflow safe-guard.
- Must have Lumen reducing adaptor and carry-case to be included.
- All attachments must be re-usable and washable.
- Must have a minimum Vacuum range of 73Kpa
- Must have a minimum battery operational time of 60 minutes (High Capacity rechargeable).
- Must have a Capacity of the aspiration container at a minimum of 800ml
- Must have a Protection for electrical shock
- Must have integrated filter: Internal bacterial filter/fluid shut off.
- Must have the following Electrical requirement: 100-240Volts AC, 47- 63Hertz, 0.5A max.12Volts DC, 33Watts max.

Item 74: Stabilizing head blocks

- Must have a large ear hole in each head support.
- It must have an attachment base system that allows for the head blocks to be attached to a trauma board or scoop stretcher.

- It must have reusable head and chin straps which are fully adjustable for length (Velcro or clip attachment to the head blocks).
- Device must be X-ray lucent and must have minimal interference with Magnetic Resonance Imaging (MRI), or Computerized tomography (CT) scanning procedures.
- It must be a non-disposable item.
- Must be applied with minimum movement of the cervical spine.
- Complete system must consist of contoured head blocks, a base pad with adhesion to secure the blocks and the head and chin straps.
- Blocks must be constructed of plastic coated closed cell foam which must prevent bacterial growth within components.
- Must not absorb blood or body fluids.
- Must be easily cleaned and not affected by adverse weather conditions (moisture).
- The maximum weight must be 1kg.
- Dual-purpose head supports must be tapered on the one side so that they can be used with a flat backboard or scoop stretcher.
- The colour of the device must be Orange.
- The device must carry a one year guarantee.
- Must meet FMVSS 302 flammability rating
- Must have a Minimum length of 40cm
- Must have a minimum Width of 26 cm
- Must have a minimum Height of 17 cm
- Must have a maximum weight of 794g

Item 75: Bag Valve Mask (Manual Resuscitator (Adult, Child & Infant))

Adult manual resuscitator

- The bag must be able to be operated with one hand.
- The Bag must be capable of rapid and full re-expansion.
- It must have a swivel connector present to allow for changing angle of operation.
- It must have 22mm outer diameter and 15mm internal diameter fittings.
- The unit must not be affected by extremes of high/ low temperatures.
- Must allows for oxygen inlet via oxygen tubing.
- It must have a bag volume of minimum 1500 ml.
- It must have Stroke volume of maximum 1000 ml.
- Cuffed Face mask must be clear and provide a leak proof seal.
- Must have Standard 22mm Internal Diameter. Mask sizes 4 and 5 to be supplied.

- Must have a compatible valve fitting to standard external (positive end-expiratory pressure) PEEP fitting W/POP-OFF 60 cmH₂O
- It must be non-disposable, re-usable and autoclave able silicone or cold chemical sterilize able.
- Oxygen enrichment reservoir bag must be at a minimum of 2600 ml
- Must be supplied in a soft carrying case made of a durable, washable material with appropriate carrying straps.
- Adult bag volume must have a minimum of 1700ml

Child manual resuscitator

- The bag must be able to be operated with one hand.
- The Bag must be capable of rapid and full re-expansion.
- It must have a swivel connector present to allow for changing angle of operation.
- It must have 22mm outer diameter and 15mm internal diameter fittings.
- The unit must not be affected by extremes of high/ low temperatures.
- Must allow for oxygen inlet via oxygen tubing.
- It must have a bag volume of minimum 500 ml.
- It must have Stroke volume of maximum 350 ml.
- Cuffed Face mask must be clear and provide a leak proof seal.
- Must have Standard 22mm Internal Diameter. Mask sizes 1,2 and 3 to be supplied.
- Must have a compatible valve fitting to standard external (positive end-expiratory pressure) PEEP fitting W/POP-OFF 60 cmH₂O
- It must be non-disposable, re-usable and autoclave able silicone or cold chemical sterilize able.
- Oxygen enrichment reservoir bag must be at a minimum of 900ml
- Must be supplied in a soft carrying case made of a durable, washable material with appropriate carrying straps.
- Child bag volume must have a minimum of 470ml

Infant manual resuscitator

- The bag must be able to be operated with one hand.
- The Bag must be capable of rapid and full re-expansion.
- It must have a swivel connector present to allow for changing angle of operation.
- It must have 22mm outer diameter and 15mm internal diameter fittings.
- The unit must not be affected by extremes of high/ low temperatures.
- Must allow for oxygen inlet via oxygen tubing.

- It must have a bag volume of minimum 280 ml.
- It must have Stroke volume of maximum 150ml.
- Cuffed Face mask must be clear and provide a leak proof seal.
- Must have Standard 22mm Internal Diameter. Mask sizes 00, 0 and 1 to be supplied.
- Must have a compatible valve fitting to standard external (positive end-expiratory pressure) PEEP fitting W/POP-OFF 40 cmH2O
- It must be non-disposable, re-usable and autoclave able silicone or cold chemical sterilize able.
- Oxygen enrichment reservoir bag must be at a minimum of 600ml
- Must be supplied in a soft carrying case made of a durable, washable material with appropriate carrying straps.
- Child bag volume must have a minimum of 150ml

Physical Characteristics of Adult, Pediatric and Child

- Transparent Facemask allows for easy monitoring of skin color, signs of vomitus or body fluids.
- Complete with Oxygen Reservoir System.
- Controlled Flow rate.
- Controlled Airway Pressure
- Controlled Ventilation.
- Reduced Risk of Gastric Insufflations.

Inspiratory Resistance	3.3 cm H ₂ O
Expiratory Resistance	2.2 cm H ₂ O
Reservoir Volume	2700 ml

Item 76: Spider harness

- The Spider Straps must provide effective immobilization of patients on a spinal board.
- The Spider Straps must attach to 10 positions on the spinal board using hook and loop straps.
- The unit must secure the patient from shoulder to foot.
- The spider straps must be designed for use in different types of Spinal Boards, and must be compatible with similar models.
- Minimum Dimension of 145cm x 66 cm
- Minimum Weight of less than 300 g
- Locking design: Hook and Loop

Item 77: Shoulder pack strap

- Must be designed for heavy-duty hose carry.
- Straps must be interconnected by three stiff nylon spines giving the Hose Vice a strong, secure feel.
- The shoulder straps must be adjustable, removable and be large enough that a firefighter can carry the bundle across the body for better balance.
- The unit must have additional handles incorporated into the ends of the four shoulder straps.
- Must have provisions to be carried by two firefighters.
- Must have a large carrying capacity.
- It must carry up to minimum of 30m of 38mm hose.
- It must have Adjustable side release buckles can be able to be used with the gloved hand and easy-to-operate.

Item 78: Roof Ladder

- The ladder must fully comply with NFPA 1931 standard of Approval
- The ladder must be constructed of Aluminium Alloy which is capable of withstanding intensive heat
- The ladder must be at least 4200mm long and 450 mm wide
- The ladder must have a maximum weight of 21kg
- The ladder must be equipped with folding hooks constructed from a heat treated steel
- The rungs shall be ribbed

Item 79: Submersible pump

- It must operate at 220 Volt
- Electrical pump must have a run dry protection switch
- Must have a self-primer
- Outlet must be fitted with 38mm male NST coupling
- Must be able to deliver a minimum of 300l/min at a 12m head
- Must be constructed of Stainless steel/ or steel alloy material
- It must have a minimum of 5m Electrical cord fitted

Item 80: Bowring

- It must have Hose advancement that fits six different size hoses

- Must have an Emergency bailout descender - two different options
- Rapid Intervention Team (RIT) firefighter drag - hook and drag
- It must have an ultimate high-rise tool-cheater bar,
- It must have a stand pipe wheel, spanner wrench,
- It must have a Gas shut off - two different options
- It must have an Auto extrication – windshield removal, glass ripper
- It must have Oxygen (O2)cylinder wrench
- It must have a Door wedge
- It must have a Water shut off
- It must have Mattress hook to hook wires
- It must have rocker lugs, storz lugs
- It must have sheet rock ripper - cleanly rips through while looking for hot spots

Item 81: Suction spanners

- Must be made out of Stainless steel

Item 82: Pick and handle

- The handle must be Polypropylene or Fiberglass
- It must be a two Piece set

Item 83: Two- Section Extension Ladder

End of major pumper's specification

N.B To confirm specification please contact the following,

MR. NTANTI SEPHIRI (083 366 6375) OR MR RYNO GRIESEL (083 444 8003)



GENERAL CONDITIONS

1. The vehicle must be delivered with all equipment needed to change wheels on the vehicle as per specifications
2. The vehicle must be delivered with all warranties as per manufacture specification
3. Details information on compliance to NFPA and/or SABS specification (where applicable) must be given. Equipment must comply to NFPA specifications
4. Detail CAD drawings of the entire vehicle must be part of the bid
5. The bidder must make provision for one inspection and applicable tests by three members of the Sol Plaatje Municipality at the manufacturing side on the bidders expense
6. The bidder must be able to make a presentation to members of the Sol Plaatje Municipality on the vehicle (If needed) on the bidders expense
7. Any deviations from this specification must be noted and full details for the deviation and alternative options must be noted
8. Training shall be provided to artisans regarding service and maintenance of vehicles

SPECIAL CONDITIONS FOR ITEM 2

- The manufacturer must be registered with, Manufacturer, Importer and Builder (MIB) of fire engines and with the South African Bureau of Standards (SABS Capability Report)
- The manufacturer must comply with ISO 9001:2008 quality certified manufacturer.
- The unit manufactured must comply fully with the Road Traffic Act of 1989, SABS Compulsory and CKS 928 Specifications.
- THE BID WILL BE AWARDED PER LINE ITEM

Total Price (INCLUDING VAT AND ALL ACCESSORIES): R_____

Additional Maintenance and service plan

Bidder to indicate the cost of a full maintenance and service plan, for a minimum period of three years.

***NB Prices must be indicated separately and not be included in the vehicle price.**

Total Price of Full Maintenance & Service Plan (Vat Incl.) R_____



TECHNICAL DETAILS

MAKE, TYPE, MODEL AND COUNTRY OF ORIGIN _____

ENGINE Type _____ Displacement _____ m³

No. of cylinders _____ kW (gross) _____ at _____ rpm

Net torque _____ Nm _____ at _____ rpm

Transmission _____

Tyre size and ply rating _____

Steering _____

Ventilation System _____

Delivery Period _____



SETTLEMENT DISCOUNT ALLOWED _____% _____DAYS

DELIVERY WITHIN _____WEEKS

VALUE ADDED TAX AS WELL AS DELIVERY COSTS TO THE MUNICIPAL STORES MUST BE INCLUDED IN ALL PRICES

N.B: IF PRICES ARE NOT FIRM, PRICES MUST BE FIXED FOR THE PERIOD OF 12 MONTHS FROM THE DATE OF COMMENCEMENT.

I/WE AGREE TO THE CONDITIONS AS SET OUT IN THE ATTACHED SPECIFICATIONS
AND CONDITIONS OF TENDER

SIGNATURE OF TENDERER: _____

NAME OF COMPANY: _____

ADDRESS: _____

TELEPHONE NO. _____ FAX NO. _____

E-MAIL ADDRESS: _____

AS WITNESSES: 1. _____

2. _____

DATE: _____



N.B: This form must be signed by the bidder and witnesses.

Bids MUST comply with the following Special conditions of Contract where applicable:

- **Period required for delivery** _____ **days**
- **Completion of Project** _____ **weeks**
- **Settlement Discount Allowed**
 - _____ % 30 days
 - _____ % 15 days
- **Value added Tax as well as Delivery Costs to the Municipal Stores must be included in ALL PRICES**

BIDDER SIGNATURE

DATE:



SOL PLAATJE LOCAL MUNICIPALITY

CONTRACT REF NO: INFRA/TSD01/2022 FLEET REPLACEMENT NEW VEHICLES & MACHINERY PHASE 2

METHOD OF PRICING AND PRICE ADJUSTMENTS

THIS BID WILL NOT BE ACCEPTED IF **OPTION 1 OR OPTION 2** IS NOT SELECTED AND COMPLETED.

IF PRICES ARE NOT FIRM AND NUMBER 2 WAS SELECTED, COMPLETE OPTIONS (A, B OR C). ONE OF THE OPTIONS MUST BE SELECTED IF PRICES ARE NOT FIRM.

**PLEASE INDICATE IF PRICES ARE FIRM OR NOT FIRM FOR THE DURATION OF THIS CONTRACT.
SELECT NUMBER 1 OR NUMBER 2**

1. ☐ Prices are firm for the duration of this contract (including prices subject to Rates of Exchange or any other reasons) Variations will not be considered.

N.B: AS FROM THE CLOSING DATE OF THE BID, BASE PRICES SHALL REMAIN FIRM FOR THE DURATION OF THE CONTRACT

2. ☐ Prices not firm for the duration of this contract and price variations are applicable

If prices are not firm and number 2 was selected, COMPLETE OPTIONS (A, B or C). One of the options MUST be selected if prices are not firm. Note that only one of the options can be applied to any one of the activities listed in the schedule of quantities and the bidder should clearly indicate the item numbers for options B and C Escalation (Option A) will be calculated on all items which are not listed in options B or C

N.B.: AS FROM THE CLOSING DATE PRICES MUST HOLD GOOD FOR AT LEAST 12 MONTHS OF THE DURATION OF THE CONTRACT BEFORE ANY PRICE ADJUSTMENTS COULD BE SUBMITTED.

- A. ☐ **NON-FIRM PRICES SUBJECT TO ESCALATION**

1. In cases of period contracts, non-firm prices will be adjusted with the assessed contract price adjustments implicit in non-firm prices when calculating the comparative prices
2. The value of each monthly statement for payment shall be increased or decreased by the amount obtained by multiplying the tender rate for a scheduled item "A_i" by the Contract Price Adjustment Factor for the specific item, rounded off to the fourth decimal place, determined according to the formula:



$$Pa = (1-V)Pt \left(D1 \frac{R1t}{R1o} + D2 \frac{R2t}{R2o} + D3 \frac{R3t}{R3o} + D4 \frac{D4t}{D4o} \right) + VPt$$

Where:

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

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

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

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

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

B. ☐ PRICES SUBJECT TO RATE OF EXCHANGE VARIATIONS

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

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



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

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

C. ☐ None firm prices based on documentary evidence (including actual supplier's invoices, motivations and letters of confirmation from the bidder's supplier)

I/WE AGREE TO THE CONDITIONS AS SET OUT IN THE ATTACHED SPECIFICATIONS AND CONDITIONS OF BIDDER

SIGNATURE OF BIDDER: _____

NAME OF COMPANY: _____

ADDRESS: _____

CELL TELEPHONE NO: _____ FAX NO. _____

E-MAIL ADDRESS: _____

AS WITNESSES: 1. _____ Name Print _____

2. _____ Name Print _____

DATE _____

N.B: THE MBD 3.2 IS MANDATORY MUST BE COMPLETED AND SIGNED BY THE BIDDER AND WITNESSES



MBD 3.2

AMENDMENTS AND ALTERATIONS: ANNEXURE A

If the bidder desires to amend, vary or alter any of the specifications, conditions of contract, schedule of prices, he/she is to state so hereunder and is to set out clearly the details and character of any amendments, variations or alterations he proposes, together with the variation in cost from his bid price, if there be any variation.

Unless noted in this page when bidding or supported by a covering letter attached to this bid, no variations or alterations which the bidder desires to put forward or into effect, will be executed strictly in accordance with these documents.

SIGNATURE OF BIDDER _____

DATE: _____



MBD 4

DECLARATION OF INTEREST

BIDDERS WHO FAIL TO DECLARE ACCURATELY AND HONESTLY SHALL BE DISQUALIFIED AND THEIR NAMES AND COMPANY DETAILS WILL BE SUBMITTED TO NATIONAL TREASURY AND PROVINCIAL TREASURY TO BE BLACK LISTED. SHOULD YOUR INTEREST BE DISCOVERED AFTER THE AWARD OF THE CONTRACT THE MUNICIPALITY SHALL TERMINATE YOUR CONTRACT ON THE BASIS OF THE ABOVE.

1. No bid will be accepted from persons in the service of the State¹. (Employed by the State)
2. Any person, having a relationship with persons in the service of the State (Employed by the State), including a blood relative, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating / adjudicating authority.

3. **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

3.1 Full Name of bidder or his or her representative: _____

3.2 Identity Number: _____

3.3 Position occupied in the Company (director, trustee, shareholder²) _____

3.4 Company Registration Number: _____

3.5 Tax Reference Number: _____

3.6 VAT Registration Number: _____

3.7 The names of all directors / trustees / shareholders members, their individual identity numbers and state employee numbers must be indicated in paragraph 4 below.

3.8 Are you presently in the service of the State? (**Employee of the State**)? **YES / NO**

3.8.1 If yes, furnish particulars _____

¹MSCM Regulations: "in the service of the State" means to be –

- (a) a member of –
 - (i) any municipal council;
 - (ii) any provincial legislature; or
 - (iii) the national Assembly or the national Council of provinces;
- (b) a member of the board of directors of any municipal entity;
- (c) an official of any municipality or municipal entity;
- (d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);
- (e) a member of the accounting authority of any national or provincial public entity; or
- (f) an employee of Parliament or a provincial legislature.

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



3.9 Have you been in the service of the State (employee of the State) for the past twelve months? **YES / NO**

3.9.1 If yes, furnish particulars

3.10 Do you have any relationship (family, friend, other) with persons in the service of the State (employed by the State) and who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

3.10.1 If yes, furnish particulars.

3.11 Are you, aware of any relationship (family, friend, other) between any other bidder and any persons in the service of the State (employed by the State) who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

3.11.1 If yes, furnish particulars

3.12 Are any of the company's directors, trustees, managers, principle shareholders or stakeholders in the service of the State (employed by the State)?

YES / NO

3.12.1 If yes, furnish particulars.

3.13 Are any spouse, child or parent of the company's directors, trustees, managers, principle shareholders or stakeholders in the service of the State (employed by the State) **YES / NO**

3.13.1 If yes, furnish particulars



3.14 Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract.

YES / NO

3.14.1 If yes, furnish particulars:

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

Full Name	Identity Number	State Employee Number

DECLARATION

I, THE UNDERSIGNED (NAME) _____

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

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 23 OF THE GENERAL CONDITIONS OF CONTRACT SHOULD THIS DECLARATION PROVE TO BE FALSE.

Signature

Date

Position

(Print) Name of bidder

THE MBD4 IS MANDATORY MUST BE COMPLETED AND SIGNED BY THE BIDDER

BIDDER MUST UPDATE MBD 4 DOCUMENT ANNUALLY IN LINE WITH SCM POLICY



MBD 6.1

PREFERENCE POINT SYSTEM

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

PURCHASES

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all bids:

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

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

1.3 Preference points for this bid shall be awarded for:

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

1.4 The maximum points for this bid are allocated as follows:

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

1.5 Failure on the part of a bidder to submit a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS), or a sworn affidavit confirming annual turnover and level of black ownership in case of an EME and QSE together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

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

2. DEFINITIONS

- (a) **“all applicable taxes”** includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- (b) **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (c) **“B-BBEE status level of contributor”** means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;



- (d) **“bid”** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of services, works or goods, through price quotations, advertised competitive bidding processes or proposals;
- (e) **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003) as amended by Act No 46 of 2013;
- (f) **“comparative price”** means the price after the factors of a non-firm price and all unconditional discounts that can be utilized have been taken into consideration;
- (g) **“consortium or joint venture”** means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract;
- (h) **“contract”** means the agreement that results from the acceptance of a bid by an organ of state;
- (i) **“EME”** means an Exempted Micro Enterprise as defines by Codes of Good Practice issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (j) **“Firm price”** means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- (k) **“functionality”** means the measurement according to predetermined norms, as set out in the bid documents, of a service or commodity that is designed to be practical and useful, working or operating, taking into account, among other factors, the quality, reliability, viability and durability of a service and the technical capacity and ability of a bidder;
- (l) **“non-firm prices”** means all prices other than “firm” prices;
- (m) **“person”** includes a juristic person;
- (n) **“QSE”** means a Qualifying Small Enterprise as defines by Codes of Good Practice issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (o) **“rand value”** means the total estimated value of a contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties;
- (p) **“sub-contract”** means the primary contractor’s assigning, leasing, making out work to, or employing, another person to support such primary contractor in the execution of part of a project in terms of the contract;
- (q) **“total revenue”** bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act and promulgated in the *Government Gazette* on 9 February 2007;
- (r) **“trust”** means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- (s) **“trustee”** means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.

3. ADJUDICATION USING A POINT SYSTEM

- 3.1 The bidder obtaining the highest number of total points will be awarded the contract.
- 3.2 Preference points shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts.
- 3.3 Points scored must be rounded off to the nearest 2 decimal places.
- 3.4 In the event that two or more bids have scored equal total points, the successful bid must be the one scoring the highest number of preference points for B-BBEE.
- 3.5 However, when functionality is part of the evaluation process and two or more bids have scored equal points including equal preference points for B-BBEE, the successful bid must be the one scoring the highest score for functionality.
- 3.6 Should two or more bids be equal in all respects, the award shall be decided by the drawing of lots.



4. POINTS AWARDED FOR PRICE

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

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

80/20 **or** **90/10**

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \quad \text{or} \quad P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

P_s = Points scored for comparative price of bid under consideration

P_t = Comparative price of bid under consideration

P_{\min} = Comparative price of lowest acceptable bid

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

5.1 In terms of Regulation 5 (2) and 6 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)
1	10	20
2	9	18
3	6	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

5.2 A bidder who qualifies as an EME in terms of the B-BBEE Act must submit a sworn affidavit confirming Annual Total Revenue and Level of Black Ownership.

5.3 A Bidder other than EME or QSE must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating or a Verification Agency accredited by SANAS.

5.4 A trust, consortium or joint venture, will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate.

5.5 A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate bid.

5.6 Tertiary Institutions and Public Entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.

5.7 A person will not be awarded points for B-BBEE status level if it is indicated in the bid documents that such a bidder intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a bidder qualifies for, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract.

5.8 A person 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 person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.



6. BID DECLARATION

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

7. B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 5.1

7.1 B-BBEE Status Level of Contribution: = (maximum of 10 or 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 5.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or a sworn affidavit.)

8. SUB-CONTRACTING

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

(Tick applicable box)

YES		NO	
-----	--	----	--

8.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted. _____ %
- ii) The name of the sub-contractor _____
- iii) The B-BBEE status level of the sub-contractor _____
- iv) Whether the sub-contractor is an EME.

(Tick applicable box)

YES		NO	
-----	--	----	--

9. DECLARATION WITH REGARD TO COMPANY/FIRM

9.1 Name of company/firm: _____

9.2 VAT registration number: _____

9.3 Company registration number: _____

9.4 TYPE OF COMPANY/ FIRM

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

[TICK APPLICABLE BOX]

9.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

9.6 COMPANY CLASSIFICATION

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

[TICK APPLICABLE BOX]



9.7 MUNICIPAL INFORMATION

Municipality where business is situated: _____

Registered Account Number: _____

Stand Number: _____

9.8 Total number of years the company/firm has been in business: _____

9.9 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contribution indicated in paragraph 7 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 7, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) restrict the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution.

N.B: THE MBD 6.1 IS MANDATORY MUST BE COMPLETED AND SIGNED BY THE BIDDER AND WITNESSES.

SIGNATURE: _____

NAME: (PRINT) _____

DULY AUTHORISED TO SIGN ON BEHALF OF _____

ADDRESS _____

TELEPHONE NO. _____

DATE _____

WITNESS (1) _____ NAME (PRINT) _____

WITNESS (2) _____ NAME (PRINT) _____



ATTACHED CERTIFIED COPY OF B-BBEE CERTIFICATE OR SWORN AFFIDAVIT
(FAILURE TO ATTACH BBBEE CERTIFICATE OR SWORN AFFIDAVIT, BIDDERS WILL FORFEIT POINTS)

SOL PLAAATJE MUNICIPALITY



MBD 6.1.1

What are the other firms' principal business activities? _____

Describe all property agreements relating to facilities shared:

FACILITY	MONTHLY	RENTAL	AMOUNT	OWNER	AGREEMENT VERBAL/WITTEN

(F) Did the firm exist under a previous name? (✓ tick one box)

Yes

☐

No

☐

If yes, what was its previous name and who were the owners/ partners/directors?

(G) Identify any owner or shareholder who has membership interest, or is an employee of, or has duties in another business enterprise, which has also tendered for this contract.

OWNER/ SHAREHOLDER	NAME & ADDRESS OF OTHER FIRM	TITLE IN OTHER FIRM	% OWNERSHIP	TYPE OF BUSINESS OF OTHER FIRM

(H) Is this a joint venture contract? (✓ tick one box)

Yes

☐

No

☐

If yes, describe the joint venture (with what firm and value of work)



MBD 6.1.1

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

- (i) the information furnished is true and correct;
- (ii) no part of this contract, other than stated at the time of bid or application, will be subcontracted to other parties.
- (iii) the signatory to the bid document is duly authorised thereto;
- (iv) documentary proof regarding any bidding issues will, when required, be submitted to the satisfaction of the Municipality.
- (v) Upon detecting any false claim or statement will result in the de-registration and the bidder will be prevented from participating in future contracts for a period of three (3) years.

N.B: THE MBD 6.1.1 IS MANDATORY MUST BE COMPLETED AND SIGNED BY THE BIDDER AND WITNESSES

SIGNATURE: _____

NAME: (PRINT) _____

DULY AUTHORISED TO SIGN ON BEHALF OF _____

ADDRESS _____

TELEPHONE NO. _____

DATE _____

WITNESS (1) _____ NAME (PRINT) _____

WITNESS (2) _____ NAME (PRINT) _____

DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

This Municipal Bidding Document (MBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2011 and the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

- 1.1. Preferential Procurement Regulations, 2011 (Regulation 9) makes provision for the promotion of local production and content.
- 1.2. Regulation 9.(1) prescribes that in the case of designated sectors, where in the award of bids local production and content is of critical importance, such bids must be advertised with the specific bidding condition that only locally produced goods, services or works or locally manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for bids referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. 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.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

Where

x is the imported content in Rand

y is the bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by the South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as required in paragraph 4.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on http://www.thedti.gov.za/industrial_development/ip.jsp at no cost.



1.6. A bid may be disqualified if –

- (a) this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation; and
- (b) the bidder fails to declare that the Local Content Declaration Templates (Annex C, D and E) have been audited and certified as correct.

2. Definitions

- 2.1. **“bid”** includes written price quotations, advertised competitive bids or proposals;
- 2.2. **“bid price”** price offered by the bidder, excluding value added tax (VAT);
- 2.3. **“contract”** means the agreement that results from the acceptance of a bid by an organ of state;
- 2.4. **“designated sector”** means a sector, sub-sector or industry that has been designated by the Department of Trade and Industry in line with national development and industrial policies for local production, where only locally produced services, works or goods or locally manufactured goods meet the stipulated minimum threshold for local production and content;
- 2.5. **“duly sign”** means a Declaration Certificate for Local Content that has been signed by the Chief Financial Officer or other legally responsible person nominated in writing by the Chief Executive, or senior member / person with management responsibility (close corporation, partnership or individual).
- 2.6. **“imported content”** means that portion of the bid price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or its subcontractors) and which costs are inclusive of the costs abroad (this includes labour and intellectual property costs), plus freight and other direct importation costs, such as landing costs, dock duties, import duty, sales duty or other similar tax or duty at the South African port of entry;
- 2.7. **“local content”** means that portion of the bid price which is not included in the imported content, provided that local manufacture does take place;
- 2.8. **“stipulated minimum threshold”** means that portion of local production and content as determined by the Department of Trade and Industry; and
- 2.9. **“sub-contract”** means the primary contractor’s assigning, leasing, making out work to, or employing another person to support such primary contractor in the execution of part of a project in terms of the contract.

3. The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:

<u>Description of services, works or goods</u>	<u>stipulated minimum threshold</u>	<u>70% threshold for</u>
<u>Pumps</u>		

4. Does any portion of the services, works or goods offered have any imported content?

(Tick applicable box)



YES		NO	
-----	--	----	--

- 4.1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by the SARB for the specific currency at 12:00 on the date of advertisement of the bid.

The relevant rates of exchange information is accessible on www.reservebank.co.za.

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders must submit proof of the SARB rate (s) of exchange used.

5. Were the Local Content Declaration Templates (Annex C, D and E) audited and certified as correct?
(Tick applicable box)

YES		NO	
-----	--	----	--

- 5.1. If yes, provide the following particulars:

- (a) Full name of auditor: _____
(b) Practice number: _____
(c) Telephone and cell number: _____
(d) Email address: _____

(Documentary proof regarding the declaration will, when required, be submitted to the satisfaction of the Accounting Officer / Accounting Authority)

6. Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the Accounting Officer / Accounting Authority provide directives in this regard.



LOCAL CONTENT DECLARATION

(REFER TO ANNEX B OF SATS 1286:2011)

LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)

IN RESPECT OF BID NO. _____

ISSUED BY: (Procurement Authority / Name of Municipality / Municipal Entity):

NB

- 1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.
- 2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on <http://www.thedti.gov.za/industrialdevelopment/ip.jsp>. Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, _____ (full names),

do hereby declare, in my capacity as _____ of

_____ (name of bidder entity), the following:

(a) The facts contained herein are within my own personal knowledge.

(b) I have satisfied myself that



- (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
 - (ii) the declaration templates have been audited and certified to be correct.
- (c) The local content percentages (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C;



Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 3 above)	
Local content %, as calculated in terms of SATS 1286:2011	

If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above. The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E.

- (d) I accept that the Procurement Authority / Municipality /Municipal Entity has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.
- (e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Municipal / Municipal Entity imposing any or all of the remedies as provided for in Regulation 13 of the Preferential Procurement Regulations, 2011 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

SIGNATURE: _____

DATE: _____

WITNESS No. 1 _____

DATE: _____

WITNESS No. 2 _____

DATE: _____



SATS 1286.2011

Annex D

(D1) Tender No. _____
 (D2) Tender description: _____
 (D3) Designated Products: _____
 (D4) Tender Authority: _____
 (D5) Tendering Entity name: _____
 (D6) Tender Exchange Rate: _____ Pula _____

Note: VAT to be excluded from all calculations

EU R 9.00 GBP R 12.00

A. Exempted imported content

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

B. Imported directly by the Tenderer

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

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

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

Signature of tenderer from Annex B

(D53) Total of imported content & foreign currency payments - (D32), (D45) & (D52) above R 0

Date: _____



SATS 1286.2011

Annex E

--

(E1)	Tender No.	
(E2)	Tender description:	
(E3)	Designated products:	
(E4)	Tender Authority:	
(E5)	Tendering Entity name:	

Note: VAT to be excluded from all calculations

	Description of items purchased	Local suppliers	Value
	(E6)	(E7)	(E8)
(E9) Total local products (Goods, Services and Works)			

(E10)	<input style="width: 150px;" type="text"/> (Tenderer's manpower cost)	<input style="width: 100px;" type="text"/>
(E11)	(Rental, depreciation & amortisation, utility costs, consumables etc.)	<input style="width: 100px;" type="text"/>
(E12)	(Marketing, insurance, financing, interest etc.)	<input style="width: 100px;" type="text"/>
	(E13) Total local content	<input style="width: 100px;" type="text"/>

Signature of tenderer from Annex B

Date: _____



DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

Penalty: -

Upon detecting any false claim or statement hereunder will result in the bidder's de-registration and the bidder will be prevented from participation in future contracts for a period of three (3) years.

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

Item	Question	Yes	No
4.1	Is the bidder or any of its directors listed on the National Treasury's database as companies or persons prohibited from doing business with the public sector? (Companies or persons who are listed on this database were informed in writing of this restriction by the National Treasury after the <i>audi alteram partem</i> rule was applied).	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? To access this Register enter the National Treasury's website, www.treasury.gov.za, click on the icon "Register for Tender Defaulters" or submit your written request for a hard copy of the Register to facsimile number (012) 3265445.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court outside of the Republic of South Africa) for fraud or corruption during the past five years?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.3.1	If so, furnish particulars:		
4.4	Was any contract between the bidder and any organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.4.1	If so, furnish particulars:		

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME) _____

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

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

N.B: THE MBD 8 IS MANDATORY MUST BE COMPLETED AND SIGNED BY THE BIDDER AND WITNESSES

Signature

Date

Position

Name of Bidder

I confirm that I am duly authorized to sign this contract.

NAME (PRINT) _____

CAPACITY _____

SIGNATURE _____

NAME OF FIRM _____

DATE _____

WITNESSES

1 _____

Name Print _____

2 _____

Name Print _____



MBD 9

CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Municipal Bidding Document (MBD) must form part of all bids invited.
- 2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging). Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3 Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
 - a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
- 4 This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 5 In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

Includes price quotations, advertised competitive bids, limited bids and proposals.

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



CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Ref Number and Description)

in response to the invitation for the bid made by:

(Name of Institution)

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

I certify, on behalf of: _____ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder
6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
 - (f) bidding with the intention not to win the bid.



8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

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

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

11. **N.B: THE MBD 9 IS MANDATORY MUST BE COMPLETED AND SIGNED BY THE BIDDER AND WITNESSES.**

Signature

Date

Position

Name of Bidder (print)

WITNESS (1) _____ NAME (PRINT) _____

WITNESS (2) _____ NAME (PRINT) _____



SOL PLAATJE LOCAL MUNICIPALITY

GENERAL CONDITIONS OF CONTRACT

NOTES

The purpose of this document is to:

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

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

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



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General Conditions of Contract

1. Definitions

1. The following terms shall be interpreted as indicated:
 - 1.1 **"Closing time"** means the date and hour specified in the bidding documents for the receipt of bids. Within the Northern Cape Province the closing hour will be 11H00, as per Post Office official time.
 - 1.2 **"Contract"** means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
 - 1.3 **"Contract price"** means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
 - 1.4 **"Corrupt practice"** means the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.
 - 1.5 **"Countervailing duties"** are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
 - 1.6 **"Country of origin"** means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
 - 1.7 **"Day"** means calendar day.
 - 1.8 **"Delivery"** means delivery in compliance of the conditions of the contract or order.
 - 1.9 **"Delivery ex stock"** means immediate delivery directly from stock actually on hand.
 - 1.10 **"Delivery into consignees store or to his site"** means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
 - 1.11 **"Dumping"** occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.
 - 1.12 **"Force majeure"** means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
 - 1.13 **"Fraudulent practice"** means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
 - 1.14 **"GCC"** means the General Conditions of Contract.
 - 1.15 **"Good standing"** means not being blacklisted or involved in illegal activities, must comply with Sol Plaatje Municipality Credit Control Policy with regard to payments for services, and must have satisfactorily complied with present and previous contractual obligations.
 - 1.16 **"Goods"** means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
 - 1.17 **"Imported content"** means that portion of the bidding price represented by the cost of components, parts or materials which



have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.

- 1.18 **“Local content”** means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.
- 1.19 **“Manufacture”** means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- 1.20 **“Order”** means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.21 **“Project site,”** where applicable, means the place indicated in bidding documents.
- 1.22 **“Purchaser”** means the organization purchasing the goods.
- 1.23 **“Republic”** means the Republic of South Africa.
- 1.24 **“SCC”** means the Special Conditions of Contract.
- 1.25 **“Services”** means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.
- 1.26 **“Written” or “in writing”** means handwritten in ink or any form of electronic or mechanical writing. Faxed bid documents will not be accepted as well as e-mailed bid documents, unless stated as such in the invitation to bid or contract.

2. Application

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

3. General

- 3.1 Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.

4. Standards

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

5. Use of Contract documents and information; inspection.

- 5.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.
- 5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.



5.3 Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.

5.4 The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.

6. Patent rights

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

7. Performance security

7.1 Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.

7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.

7.3 The performance security shall be denominated in the currency of the contract or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:

- (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or
- (b) a cashier's or certified cheque

7.4 The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in SCC. The above excludes construction contracts/road repairs, civil, mechanical and electrical works.

8. Inspections, tests and analyses

8.1 All pre-bidding testing will be for the account of the bidder.

8.2 If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the Sol Plaatje Municipality or an organization acting on behalf of the Sol Plaatje Municipality.

8.3 If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.

8.4 If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.

8.5 Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.

8.6 Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.

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



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

9. Packing

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

10. Delivery and documents

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

11. Insurance

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

12. Transportation

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

13. Incidental services

- 13.1 The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
- (a) performance or supervision of on-site assembly and/or commissioning of the supplied goods;
 - (b) furnishing of tools required for assembly and/or maintenance of the supplied goods;
 - (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;
 - (d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and
 - (e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.
- 13.2 Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.

14. Spare parts

- 14.1 As specified in SCC, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:
- (a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and
 - (b) in the event of termination of production of the spare parts:
 - (i) Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure



- needed requirements; and
- (ii) following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty / Guarantee

- 15.1 The supplier warrants or guarantees (which applicable to be indicated) that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.
- 15.2 This warranty or guarantee (which applicable to be indicated) shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.
- 15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty / guarantee.
- 15.4 Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.
- 15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

16. Payment

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

17. Prices

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

18. Contract amendments

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

19. Assignment

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

20. Subcontracts

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



21. Delays in the supplier's performance

- 21.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.
- 21.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.
- 21.3 No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.
- 21.4 The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.
- 21.5 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of penalties.
- 21.6 Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without canceling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

22. Penalties

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

23. Termination for default

- 23.1 The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:
- (a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;
 - (b) if the Supplier fails to perform any other obligation(s) under the contract; or
 - (c) if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
- 23.2 In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.

24. Anti-dumping and countervailing duties and rights

- 24.1 When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, Sol Plaatje Municipality is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right



is abolished, or where the amount of such provisional payment or any such right is reduced, any such favorable difference shall on demand be paid forthwith by the contractor to Sol Plaatje Municipality or Sol Plaatje Municipality may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him.

25. Force Majeure

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

26. Termination for insolvency

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

27. Settlement of Disputes

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

28. Limitation of liability

- 28.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6;
(a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and
(b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

29. Governing language

- 29.1 The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.



30. Applicable law

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

31. Notices

31.1 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice

31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.

32. Taxes and duties

32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.

32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.

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



ATTACH ALL ANNEXURES HERE

SOL PLAAATJE MUNICIPALITY