



CLUSTER

FINANCE

UNIT

CITY FLEET

DEPARTMENT

SUPPORT SERVICES

PROCUREMENT DOCUMENT

GOODS / SERVICES

Documents are to be obtained, free of charge, in electronic format, from the [National Treasury's eTenders website](#) or the [eThekweni Municipality's website](#).

Tender No: 1J-24952

Title: Supply and Delivery of various Tools, Equipment and Plant to Parks, Recreation and Cemeteries Workshops/Depots as and when required for a period of thirty-six (36) months

CLARIFICATION MEETING AND QUERIES

Clarification Meeting:

There will be no clarification meeting. Bidders are required to submit email queries no later than 28 September 2023 and consolidated question and answers will be uploaded 05 October 2023

Queries can be addressed to:

General / Contractual:

Roselyn Papayan Tel: 031 322 5096; eMail: Roselyn.Papayan@durban.gov.za

Technical:

Simphiwe Masondo Tel: 031 322 5111; eMail: Simphiwe.Masondo@durban.gov.za

DELIVERY OF TENDERS

Sealed Tenders, addressed to the City Manager and marked with the Tender Number, are to be placed in the Tender Box **located in the ground floor foyer of the Municipal Buildings, 166 KE Masinga Road (Old Fort Rd), Durban** (and not any other municipal department), no later than:

Closing Date: Friday, 13 October 2023

Time: 11:00am

FACSIMILE, eMAIL or POSTED TENDERS WILL NOT BE ACCEPTED

Issued by:

ETHEKWINI MUNICIPALITY

Deputy Head: SUPPORT SERVICES

Issued: September 2023

Document Version: 24/02/2023

NAME OF TENDERER:

Tender Price: R

VAT Registered: YES / NO
(circle applicable)

PROCUREMENT DOCUMENT (Goods / Services)

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SECTION 1: GENERAL INFORMATION

YOU ARE HEREBY INVITED TO TENDER FOR REQUIREMENTS OF THE ETHEKWINI MUNICIPALITY
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TENDER No.: 1J-24952

DESCRIPTION: **Supply and Delivery of various Tools, Equipment and Plant to Parks, Recreation and Cemeteries Workshops/Depots as and when required for a period of thirty-six (36) months**CLOSING DATE / TIME: **Friday, 13 October 2023 at 11:00am**

All tenders must be submitted on official tender documentation issued (in electronic format) by the eThekwini Municipality from:

- the National Treasury's eTenders website (<https://www.etenders.gov.za/>), or
- the eThekwini Municipality's website (<https://www.durban.gov.za/pages/business/procurement>).

Electronically downloaded documentation should be printed by the tenderer.

Tenderers are required to be registered on the **National Treasury Central Supplier Database** (CSD) as a service provider. In the case of a Joint Venture, this requirement will apply individually to each party in the Joint Venture.

Registration on the **eThekwini Municipality's Database** can be done via website: <https://ethekwinivendor.durban.gov.za/>

Tenderers should ensure that tenders are delivered timeously to the correct address as stated in the Conditions of Tender. If a tender is late, it will not be accepted for consideration.

The Municipality will consider a tender submitted in response to this request for tender to be an offer from your company to perform the supply on the basis of that tender. Accordingly, please review the attached General and Special Terms and Conditions which will form the basis for any supply arrangement entered into between the Municipality and your company.

The Municipality is seeking tenders from potential suppliers only and makes no representation or promise in relation to procuring work from a supplier or suppliers. The Municipality will not be responsible for any costs associated with preparing and submitting a tender.

The Municipality does not bind itself to accept the lowest or any tender. It reserves the right to accept the whole or any part of a tender to place orders. Bidders shall not bind the Municipality to any minimum quantity per order. The successful Tenderer (s) shall be bound to provide any quantities stipulated in the specification.

The successful tenderer will be required to fill in and sign a written Contract Form (MBD 7).

NB: NO TENDER WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE
(as defined in Regulation 44 of the Local Government: Municipal Supply Chain Management Regulations).

**THE FOLLOWING PARTICULARS MUST BE FURNISHED
(Failure to do so may result in your tender being disqualified)**

Name of Tenderer:

Postal Address:

Street Address:

E-Mail Address:

Telephone Number:

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Cell phone Number:

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Facsimile Number:

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Circle Applicable

Is your entity registered on the **eThekweni Municipality's supplier database?** YES / NO

• **If YES insert** your PR Number: **PR**

Is your entity registered on the **National Treasury Central Supplier Database (CSD)?** YES / NO

• **If YES, insert** your MAAA Number: **MAAA**

Insert a SARS Tax Compliance Status PIN

Is your entity VAT registered? YES / NO

• **If YES insert** Vat Registration Number:

Has a **Declaration of Municipal Fees** been submitted? YES / NO

Has a **Declaration of Interest** (MBD 4) been submitted? YES / NO

Has a **Declaration for Procurement Above R10 Million** (MBD 5) been submitted? YES / NO

Has a **Preference Points Claim** (MBD 6.1) been submitted? YES / NO

Has a **Declaration of Bidder's Past SCM Practices** (MBD 8) been submitted? YES / NO

Has a **Certificate of Independent Bid Determination** (MBD 9) been submitted? YES / NO

Are you the accredited representative in South Africa for the goods / services / works offered? **If YES, enclose proof** at the back of the tender submission. YES / NO

Signature of Tenderer: Date:

Name / Surname: (in block capitals)

Capacity under which this tender is signed:

SECTION 2 : CONDITIONS OF TENDER – (Goods / Services : June 2019)

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SPECIAL / ADDITIONAL CONDITIONS OF TENDER

STANDARD CONDITIONS OF TENDER (Goods / Services)

1. DEFINITIONS

General:

- (1) Defined words / phrases are printed in Italic font.
- (2) Definitions apply to the singular as well as the plural.
- (3) Any reference to the masculine gender shall be taken to include the feminine and any reference to the feminine gender shall be taken to include the masculine.
- (4) The words "bid" and "tender", and "bidder" and "tenderer" can be used interchangeably.
- (5) All definitions as defined in the **General Conditions of Contract** are applicable to these **Standard Conditions of Tender**. These definitions include:
 - (a) "Closing time"
 - (b) "Contract"
 - (c) "Contract Price"
 - (d) "Corrupt practice"
 - (e) "Countervailing duties"
 - (f) "Country of origin"
 - (g) "Day"
 - (h) "Delivery"
 - (i) "Delivery ex stock"
 - (j) "Delivery into consignees store or to his site"
 - (k) "Dumping"
 - (l) "Force majeure"
 - (m) "Fraudulent practice"
 - (n) "GCC"
 - (o) "Goods"
 - (p) "Imported content"
 - (q) "Local content"
 - (r) "Manufacture"
 - (s) "Order"
 - (t) "Project site"
 - (u) "Purchaser"
 - (v) "Republic"
 - (w) "SCC"
 - (x) "Services"
 - (y) "Supplier"
 - (z) "Tort"
 - (aa) "Turnkey"
 - (bb) "Written" or "in writing"
- (6) **Bid or Tender:** The offer submitted in respect of an invitation to submit such an offer.
- (7) **Bidder or Tenderer:** An entity (company, close corporation, partnership, joint venture, sole proprietor) which submits a *bid/tender*.
- (8) **Municipality:** The eThekweni Municipality, as represented by the duly authorised delegate, official or committee.
- (9) **SCT:** Special Conditions of Tender (found in Section 3).
- (10) **Week:** A period of seven (7) consecutive *days*.
- (11) **Material Deviation:** A material deviation or qualification is one which, in the *Municipality's* opinion, would:
 - (a) Detrimentally affect the scope, quality, or performance of the services or supply identified in the Scope;
 - (b) Significantly change the *Municipality's* or the *Tenderer's* risks and responsibilities under the contract; or
 - (c) Affect the competitive position of other *Tenderers* presenting responsive *tenders*, if it were to be rectified.

2. CONDITIONS OF TENDER & CONTRACT

The specification will be governed by the **Standard Conditions of Tender** (Goods and Services), **Special Conditions of Tender (SCT)**, **General Conditions of Contract (GCC)** (Government Procurement General Conditions (July 2010), as amended by National Treasury Circular 52 dated 30 July 2010), the **Special Conditions of Contract (SCC)**, the **Occupational Health and Safety Act** (Act No. 85 of 1993), and the **eThekweni Code of Conduct**.

Complete Acceptance of Conditions

Unless otherwise expressly stipulated in a letter covering the *tender*, every *Tenderer* shall be deemed to have waived, renounced, and abandoned any conditions printed or written upon any stationery used for the purpose of, or in connection with, the submission of their *tender*, which are in conflict with the **General Conditions of Contract** and **Special Conditions of Contract**. *Tenderers* are advised that any *material divergences / qualifications* from the official Conditions or Specification will render their *tenders* liable to disqualification.

3. TENDER INFORMATION

(1) General

- (a) *Tenders* will be liable for rejection unless made out on the official tendering documentation.
- (b) Any alterations effected upon any of the tendering documents must be clearly shown by means of a hand written (black, non-erasable ink), or typed, entry and must be signed in full by the *Tenderer*. **The use of correction fluid is not permitted.**
- (c) *Tenderers* may submit alternative solutions that, in the *Tenderer's* opinion, are to the *Municipality's* advantage economically and technically. Full technical details of the alternative *tender(s)* shall be submitted with the tender documents. Alternative *tender(s)* shall be submitted separately.

(2) Obtaining Tender Documentation

All tenders must be submitted on official tender documentation issued, in electronic format, by the eThekweni Municipality. Electronically downloaded documentation (obtainable free of charge) should be printed and suitably bound by tenderer.

(3) Queries Relating to this Tender

Queries can be directed to the person / Department as stated in the *SCT*.

(4) Briefing Session (Clarification Meeting)

Details of the briefing session are stated in the *SCT*.

Failure to attend a compulsory briefing session will invalidate the *tender*. *Tenderers* must sign the attendance list in the name of the tendering entity. *Tenders* will only be evaluated from those tendering entities appearing on the attendance list.

(5) Closing Date and Delivery of Tender Submissions

Sealed *tenders* made out on the enclosed Official Tender Form, which shall be signed by or on behalf of the *Tenderer*, and addressed to the City Manager, marked with the appropriate Tender number, must be placed in the **Tender Box** as stated in the *SCT* not later than the **date and time** as stated in the *SCT*, where after they will be opened publicly.

All tender documents **must** be placed directly into the Tender Box and should not be delivered to any other Municipal Department. *Bidders* are advised that *tenders* submitted by post, fax or email **will not** be considered. All couriered documents must be placed directly into the Tender Box and should not be delivered to any other Municipal Department.

Any *tender* received after the closing date and time stated for the receipt thereof **shall not** be accepted for consideration and shall be returned to the *Tenderer*.

(6) Tender Validity and Withdrawal of Tenders

Tenders must hold good until 16:00 of the 5th week following the date on which *tenders* are opened, or during such other period as may be specified in the *SCT*. The *Municipality* may, during the period for which *tenders* are to remain open for acceptance, authorize a *Tenderer* to withdraw their *tender* in whole or in part on condition that the *Tenderer* pays to the *Municipality* on demand, a sum of one thousand Rand (R1,000.00). The *Municipality* may, if it thinks fit, waive payment of such sum in whole or in part.

4. RETURNABLE SCHEDULES, FORMS, CERTIFICATES

Each *Tenderer* shall complete fully and accurately the following documents and submit these documents with the *tender*:

- (1) **Authority of Signatory:** In terms of Clause 4(5)(c) of the Conditions of Tender.
- (2) **Tax Compliance Status PIN / Tax Clearance Certificate:** SARS has introduced a new Tax Compliance Status System. Tenderers can submit a Tax Compliance Status PIN (TCS PIN) instead of an original Tax Clearance Certificate. This TCS PIN can be used by third parties to certify the taxpayer's real-time compliance status.
- (3) **Declaration of Municipal Fees:** Only those *Bidders* whose municipal fees are fully paid, or those that have concluded acknowledgement of debt agreements with the *Municipality*, are eligible to *tender*.
All *Bidders* must sign the Declaration of Municipal Fees returnable form, declaring that their municipal fees are in order or that acknowledgement of debt agreements have been concluded, and include the relevant account numbers in the declaration. Failure to include account numbers or sign will invalidate the *tender*. The completion of the declaration is also applicable to *Bidders* outside of the eThekweni Municipal Area.
- (4) **Declaration with respect to the Occupational Health and Safety Act:** Acceptance of undertaking in terms of the Occupational Health and Safety Act (Act 85 of 1993) and the relevant Regulations.

(5) Municipal Bidding Documents (which includes):

- **MBD 4:** Declaration of Interest: All *Bidders* are to sign the Declaration of Interest wherein they declare any relationship that may exist with an official of the Municipality involved in the evaluation process.
Regulation 44 of the Supply Chain Management Regulations states that a Municipality or Municipal Entity may not make any award to a person:
 - (i) Who is in the service of the state;
 - (ii) If that person is not a natural person, of which any Director, Manager, Principal, Shareholder or Stakeholder is a person in the service of the state; or
 - (iii) Who is an advisor or consultant contracted with the Municipality or municipal entity.
 Should a contract be awarded, and it is subsequently established that Regulation 44 has been breached, the Municipality shall have the right to terminate the contract with immediate effect.
- **MBD 5:** Declaration for Procurement Above R10 Million (if applicable): For all procurement expected to exceed R10 million (all applicable taxes included), tenderers must complete this questionnaire.
- **MBD 6.1:** Preference Points Claim Form: For the awarding of Preference Points, *Bidders* are required to complete the attached MBD 6.1 form and return it with their tender submission. Failure on the part of a tenderer to complete and submit this form will be interpreted to mean that preference points for **Specific Goals** are not claimed.
The Municipality reserves the right to require of a tenderer, 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 Municipality.
- **MBD 8:** Declaration of *Bidders* Past Supply Chain Management Practices Form: This form serves as a declaration to be used by municipalities and municipal entities 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.
- **MBD 9:** Certificate of Independent Bid Determination: Section 4(1)(b)(iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms if it involves collusive tendering or tender rigging. In order to give effect to this, the Certificate of Bid Determination must be completed and submitted with the tender.

(5) **Official Tender Form** (see Section 9)

- **Legal Status of Tenderer**

It is essential for the purpose of entering into a legal contract that *Bidders* state on the Official Tender Form, under "Name and Address of Tenderer", their full legal status:

- (i) the full registered name of the company making a *tender*; or
- (ii) if the *Tenderer* is a person conducting business under a recognised trading name then:
 - State the name of the person(s);
 - State recognised trading name; and
 - State whether an owner, co-owner, proprietor, etc.

(b) **Signing of Official Tender Form**

Failure of a *Tenderer* to complete, in its entirety, and sign the Official Tender Form will invalidate the *tender*.

(c) **Authority of Signatory**

Bidders are to complete and sign the Authority of Signatory returnable document, and attach the required additional documents.

(d) **Differences or Discrepancies**

Should there be any difference or discrepancy between the prices or price contained in the Official Tender Form and those contained in any covering letter from the *Tenderer*, the prices or price contained in the Official Tender Form shall prevail.

(6) **Any additional Schedules, Forms, or Certificates as stated in the SCT.**5. **INFORMATION TO BE SUPPLIED REGARDING SUB-CONTRACTORS**

Bidders are to state in their *tenders*, or covering letters, whether, if the contract were to be awarded to them, the whole of the work would be executed by them in their own workshop / factory. If the answer is in the negative, they are required to state which part(s) would be handed to sub-contractors and the name and address of such sub-contractors.

6. **SAMPLES**

Bidders may be required to state where samples of the full range of products can be inspected or be required to submit samples for inspection prior to the closing date of the *tender*.

7. **MANUFACTURERS**

The names of the manufacturers of the goods or equipment offered must be stated in the *tender*.

Bidders who are not manufacturers, accredited distributors, or agents must provide a valid agreement / Joint Venture Agreement, entered into with the manufacturer, accredited distributors, or agents, with their submission. This agreement must meet all the requirements as laid down in the *tender* document, and must cover the contract period.

8. **CLARIFICATION**

The Head: Supply Chain Management Unit, or an authorized representative, may request clarification or further information on any aspect of the *tender*. The *Tenderer* **must** supply the requested information within the time specified. Failure to comply will render the *tender* non-responsive.

9. **PRICING**

Bidders would be precluded from this *tender* if their pricing structure deviates from the Official Tender Form.

(1) **Nett Prices**

All prices shall be quoted in South African currency (Rand) after deduction of any brokerage or discount allowed to the Municipality.

(2) **Unit Prices**

Bidders shall quote only one price in respect of each item. Such price is to hold good for the full duration of the contract period, being subject to variation only in accordance with specified criteria, as stated in the **Conditions of Contract**.

(3) **Firm Tenders**

Bidders may submit firm prices for each 12 month period. These prices shall be free from all fluctuations, including any statutory increases.

(4) **Value Added Tax (V.A.T)**

Prices exclusive and inclusive of VAT must be stated separately on the Official Tender Form.

10. **ESTIMATED QUANTITIES**

The estimated quantities are set out in Section 8 : Bill of Quantities / Schedule of Rates/Activities which forms part of the official tender documents. The quantities are stated purely for the information of the *Bidders* and are in order to ascertain an estimated total contract price. The *Supplier* will, however, be bound to supply whatever quantity or quantities the *Municipality* may actually require, and may exceed, or be less than, the estimated quantities stated.

11. **DELIVERY, RISK, PACKAGES, ETC**

- (1) Unless otherwise provided, all goods are to be supplied only against the form of order issued by the *Municipality*.
- (2) *Bidders* shall quote a unit price which shall include delivery to the specified delivery point, as stated in the SCT.
- (3) The risk in all goods purchased by the *Municipality* under the contract shall remain with the *Supplier* until such goods shall have been duly delivered.
- (4) *Bidders* shall clearly state the period within which delivery will be made after receipt of the official order, as this may be material in the adjudication of the *tender*.

12. RATES OF EXCHANGE

- (1) Where the goods are imported the *Supplier* shall, within seven days of date of official Purchase Order, arrange through their bankers for the foreign commitment to be covered forward down to the Rand in order to fix the rate of exchange. The *Supplier* shall notify the *Municipality* as soon as possible thereafter regarding the rate which has been fixed on such forward exchange.

Any increase or decrease between the basic rate of exchange as at a date seven days prior to the date of closing of *tenders* and that existing at the date of establishment of the forward exchange cover within the period stipulated above shall be paid or deducted by the *Municipality*. Upon the failure of the *Supplier* to arrange forward exchange cover, the *Supplier* shall be liable should there be any increase in the basic rate of exchange occurring after the last mentioned date.

The bank charges incurred in obtaining the forward exchange cover shall be for the *Municipality's* account.

- (2) The *Supplier* shall on request:
- Submit documentary proof of the rate of exchange; and
 - When an adjustment is claimed in terms of this sub-clause, whether by the *Supplier* or the *Municipality*, submit documentary proof to the satisfaction of the Deputy City Manager: Treasury in respect of such claim.

13. IMPORT PERMITS

- In order to minimise special importation, *Bidders* should, where possible, have recourse to local suppliers and / or manufacturers.
- Bidders* must state whether their *tender* is dependent upon the issue of a special import permit or whether they are able to supply the goods by making use of the import facilities available to them.
- In the event of a tender being dependent upon the issue of a special import permit, application for such special import permit shall be made by the *Tenderer*, unless otherwise provided for in the *SCT*.

14. EVALUATION PROCESS

The procedure for evaluation of responsive Tender Offers will be in accordance with the eThekweni Municipality's current SCM Policy and the Preferential Procurement Policy Framework Act (5 of 2000), and the Preferential Procurement Policy Framework Act Regulations (November 2022).

Details of additional evaluation criteria, if applicable, are stated in the *SCT*.

Evaluation points for price and preference will only be calculated for *Bidders* who comply with the contractual and technical specification, and if applicable, have attained the minimum Functionality Score as stated in the *SCT*.

The evaluation process of responsive *tenders* will be as follows:

- Score each *tender* in respect of the financial offer made and preferences claimed (if any);
- Calculate the total number of evaluation points (T_{EV}) in accordance with the following formula:
 $T_{EV} = N_{FO} + N_P$ where: N_{FO} : is the number of evaluation points awarded for the financial offer; and N_P : is the number of evaluation points awarded for preferences claimed.
- Rank *tenders* from the highest number of evaluation points to the lowest.
- Recommend the *Tenderer* with the highest number of evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
- Rescore and re-rank all *Bidders* should there be compelling and justifiable reasons not to recommend the *Tenderer* with the highest number of evaluation points, and recommend the *Tenderer* with the highest number of evaluation points, unless there are compelling and justifiable reasons not to do so, and the process set out in this sub-clause is repeated.

(1) Evaluation points awarded for the financial offer:

Reference is to be made to the Special Conditions of Tender (*SCT*), and returnable form 5(c) in Section 4.

INCOME-GENERATING CONTRACTS

The financial offer will be scored using the formula:

$$N_{FO} = W \left(1 + \frac{P_t - P_{max}}{P_{max}} \right)$$

GOODS and SERVICES

The financial offer will be scored using the formula:

$$N_{FO} = W \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

Where the value of W is:

- 90** where the financial value inclusive of VAT of all responsive *tenders* received have a value in excess of R 50,000,000; OR
80 where the financial value inclusive of VAT of one or more responsive *tenders* offers have a value that equals or is less than R 50,000,000.
It is unclear (at the time of advertising) which of the two preference point systems applies. Either the 80/20 or 90/10 preference point system will apply, determined by the price offered by the lowest acceptable tender.

(b) **P_{max}** is the comparative offer of the most favourable comparative offer (highest acceptable tender).

(c) **P_{min}** is the comparative offer of the most favourable comparative offer (lowest acceptable tender).

(d) **P_t** is the comparative offer of the *tender* offer under consideration.

(2) Evaluation points awarded for preference:

The **Specific Goals** for Preference Points are specified in the *SCT*.

15. BRIBERY AND COMMUNICATION WITH COUNCILLORS / OFFICIALS**(1) Bribery**

No *Tenderer* shall offer, promise or give to any person or person connected with a *tender* or the awarding of a contract, any gratuity, bonus or discount etc, in connection with the obtaining of a contract.

(2) Communication, Councillors and Officials

A *Tenderer* shall not in any way communicate with a member of the *Municipality* or with any official of the *Municipality* on a question affecting any contract for the supply of goods or for any work, undertaking or services which is the subject of a *tender* during the period between the closing date for receipt of *tenders* and the dispatch of the written notification of the *Municipality's* decision on the award of the contract; provided that a *Tenderer* shall not hereby be precluded:

- (a) At the request of the Head: SCM Unit, or an authorized representative, from furnishing him with additional information or with a sample or specimen for testing purposes or otherwise from giving a demonstration so as to enable the recommendation to the Bid Committee on the award of the contract to be formulated;
- (b) From obtaining from the Head : SCM Unit, or an authorised representative, information as to the date upon which the award of the contract is likely to be made, or, after the decision upon the award has been made by the *Municipality* or any Committee to which the *Municipality* has delegated its powers, information as to the nature of the decision or such information as was publicly disclosed at the opening of *tenders* or from submitting to the Accounting Officer in writing any communication relating to their *tender* or the award of the contract or a request for leave to withdraw their *tender*; and
- (c) Provided further that nothing contained herein shall be construed so as to prevent information being sought and obtained from an Official in regard to any decision taken at an open Municipal meeting, or any Committee to which the *Municipality* has delegated its powers.

A contravention of subsection (1) and / or (2), or an attempt to contravene such subsection, shall be reported to the Accounting Officer, who may on receipt of such report disqualify the *tender* of the *Tenderer* concerned.

16. NEGOTIATIONS WITH PREFERRED BIDDERS

The *Municipality* reserves the right to invoke Regulation 24 of Municipal Finance Management Act if required.

- (1) The Accounting Officer may negotiate the final terms of a contract with *Bidders* identified through a competitive tendering process as preferred *Bidders*, provided that such negotiation:
 - Does not allow any preferred *Tenderer* a second or unfair opportunity;
 - Is not to the detriment of any other *Tenderer* ; and
 - Does not lead to a higher price than the *tender* as submitted.
- (2) Minutes of such negotiations must be kept for record purposes.
- (3) Such negotiation may be delegated by the Accounting Officer.

17. CANCELLATION OF TENDER PROCESS

The municipality is entitled to cancel the tender at any time before the award of a tender and the decision to cancel the tender shall be published in the same manner in which the original tender invitation was advertised. The Municipality shall, in no way, be liable for any damages whatsoever, including, without limitation, damages for loss of profit, in any way connected with the cancellation of this bid.

18. ACCEPTANCE OF BID

- (1) The *Municipality* does not bind itself to accept the lowest or any *tender*, and reserves the right to accept the whole or any part of a *tender* to place orders.
- (2) The *Municipality* reserves the right to accept more than one technically and contractually compliant *tender* for part or the whole of the contract and to place orders on the price and availability.
- (3) *Bidders* shall not bind the *Municipality* to any minimum quantity per order.
- (4) The successful *Tenderer (s)* shall be bound to provide any quantities stipulated in the specification.
- (5) Tenders will only be accepted on condition that:
 - (a) The *tender* is signed by a person authorised to sign on behalf of the *Tenderer* .
 - (b) A valid (at time of close of tenders), original, Tax Clearance Certificate OR Tax Compliance Status PIN is included with the *tender* submission. Both should have sufficient validity to ensure the process is adequately covered;
 - (c) A *Tenderer* who submitted their *tender* as a Joint Venture has included an acceptable Joint Venture Agreement and a B-BBEE Certificate pertaining to the Joint Venture with their *tender*.
- (6) Financial Standing: The Head: Supply Chain Management reserves the right to require *Bidders* to submit evidence that their financial standing is adequate to meet their obligations under the contract should they be successful.
- (7) Change of Ownership or Major Policy: Where it is known to a *Tenderer* that a change in ownership or major policy (of the tendering entity) will occur, or is likely to occur, during a specified contract period, the scope and effect thereof must be fully defined in a covering letter to be submitted with the *tender*.
- (8) Purchase of Goods From Other Sources: Nothing contained in this contract shall be held to restrain the *Municipality* from purchasing from persons other than the *Supplier*, any of the goods described or referred to in this contract, if it shall in its discretion think fit to do so.
- (9) Capability and Breach of Contract: Tenderers that do not have the capability of undertaking this enquiry in terms of the requirements of the contract or have been in breach of contract previously will not be considered.

19. PAYMENT and FACTORING

Payment conditions will be as per the **Conditions of Contract**.

Payment will be made only to the *Supplier(s)*. Factoring arrangements will not be accepted.

20. APPEALS

In terms of Regulation 49 of the Municipal Supply Chain Management Regulations persons aggrieved by decisions or actions taken by the *Municipality*, may lodge an appeal within 14 days of the decision or action, in writing to the *Municipality*. The appeal (clearly setting out the reasons for the appeal) and queries with regard to decision of award are to be directed to the office of the City Manager, attention:

Ms. S. Pillay, P.O. Box 1394, Durban, 4000;
eMail: Simone.Pillay@durban.gov.za.

SECTION 3: SPECIAL / ADDITIONAL CONDITIONS OF TENDER

3.1 SPECIAL CONDITIONS OF TENDER (SCT)

The **Standard Conditions of Tender** (Goods / Services) make several references to the **Special Conditions of Tender** (SCT) for details that apply specifically to this tender. The **Special Conditions of Tender** shall have precedence in the interpretation of any ambiguity or inconsistency between it and the **Standard Conditions of Tender**.

Each item below is cross-referenced to the clause in the **Standard Conditions of Tender** to which it mainly applies.

SCT 3(1) TENDER INFORMATION: General

The tender document comprises of a cover page and 125 pages.

SCT 3(2) TENDER INFORMATION: Obtaining Tender Documentation

Documents are issued by the eThekweni Municipality electronic format.

Electronically downloaded documentation is obtainable from:

- the National Treasury's eTenders website
 - (<https://www.etenders.gov.za/>), or
- the eThekweni Municipality's website
 - (<https://www.durban.gov.za/pages/business/procurement>).

The entire document should be printed on A4 paper (one sided), and suitably bound by the tenderer.

SCT 3(3) TENDER INFORMATION: Queries Relating to this Tender

General and Contractual Queries are to be directed to:

Roselyn Papayan Tel: 031 322 5096; eMail: Roselyn.Papayan@durban.gov.za

Technical Queries are to be directed to:

Simphiwe Masondo Tel: 031 322 5111; eMail: Simphiwe.Masondo@durban.gov.za

SCT 3(4) TENDER INFORMATION: Briefing Session

There will be no clarification meeting. Bidders are required to submit email queries no later than 28 September 2023 and consolidated question and answers will be uploaded 05 October 2023

SCT 3(5) TENDER INFORMATION: Closing Date and Delivery of Tender Submissions

Sealed Tenders, addressed to the City Manager and marked with the Tender Number, are to be placed in the Tender Box **located in the ground floor foyer of the Municipal Buildings, 166 KE Masinga Road (Old Fort Rd), Durban** (and not any other municipal department), no later than: **Friday, 13 October 2023 at 11:00am**.

Bidders are to include, with their “hard copy” submission, a memory-stick containing an electronically scanned (300 dpi resolution) Public Document Format (PDF) copy of their complete bid submission. This PDF file should be named using the contract number and the bidder’s name, eg. “XX-xxxx – Tenderers Name.PDF”. The memory-stick must be securely fixed to the paper submission.

SCT 3(6) TENDER INFORMATION: Tender Validity and Withdrawal of Tenders

Tenders must hold good for 120 days following the date on which tenders are opened.

SCT 4(6) RETURNABLE SCHEDULES, FORMS, CERTIFICATES

Bidders must submit the following returnables with the tender submission:

- Documents from Section 3, SCT 14
- A product catalogue together with proof of the tools, equipment and plant items been bid on with technical specifications and pictures.
- Section 6,7 and 8: functional and technical returnable documents, compulsory questionnaire and pricing schedule.

SCT 13 IMPORT PERMITS

In the event of a tender being dependent upon the issue of a special import permit, application for such special import permit shall be made by:

- Bidder

SCT 14 EVALUATION PROCESS

14.1 Price and Preference

The procedure for the evaluation of responsive tenders is **PRICE AND PREFERENCE** in accordance with the Employer’s current SCM Policy, the Preferential Procurement Policy Framework Act (5 of 2000), and the Preferential Procurement Policy Framework Act Regulations (2022).

The **90/10** preference points system will be applied. The Formula used to calculate the **Price Points (max. 90)** will be according to that specified Regulation 5.1.

14.2 Preference Point System and Specific Goals

The definitions as per the SCM Policy are applicable.

Preference Points (either 20 or 10) will be derived from points claimed on Returnable Document **MBD 6.1: “Preference Points Claim Form”** (in Section 4 of this procurement document) for the **Specific Goal(s)** as indicated on the table(s) below, and according to the specified **Goal Weightings**.

RDP Goal: The promotion of South African owned enterprises

The tendering entity's **Address** (as stated on the National Treasury Central Supplier Database (CSD) or on the eThekweni Municipality Vendor Portal) is to be used in the determination of the tenderer's claim for **Preference Points** for this Specific Goal.

Goal Weighting 50%		
Location	80/20	90/10
Not in South Africa	n/a	0
South Africa	n/a	2.5
KZN	n/a	5
ETM	n/a	10
Proof of claim as declared on MBD 6.1 (1 or more of the following will be used in verifying the tenderer's status) <ul style="list-style-type: none"> • CSD report 		

Ownership Goal

The tendering entity's **Percentage Ownership**, in terms of the **Ownership Category(s)** listed below, is to be used in the determination of the tenderer's claim for **Preference Points**.

Goal Weighting 50%			
Ownership Categories	Criteria	80/20	90/10
Race: Black (100%)	0%	n/a	0
	>0% and <51%	n/a	4
	≥51% and <100%	n/a	7.5
	100%	n/a	10
Proof of claim as declared on MBD 6.1 (1 or more of the following will be used in verifying the tenderer's status) <ul style="list-style-type: none"> • Companies and Intellectual Property Commission registration document (CIPC) • CSD report. • B-BBEE Certificate of the tendering entity. • Consolidated B-BBEE Certificate if the tendering entity is a Consortium, Joint Venture, or Trust (Issued by verification agency accredited by the South African Accreditation System). • Agreement for a Consortium, Joint Venture, or Trust. 			

Offers will be accepted from bidder(s) who meet the following requirements.

- 14.3 Original Equipment Manufacturers (OEMs) of tools, equipment and machines.
- 14.4 Accredited dealers/stockists of tools, equipment and machines.
- 14.5 Any third-party supplier that will supply a letter of undertaking from the OEM and/or accredited agent/stockist to honour the warranty of the supplied tools, equipment and machines.
- 14.6 Bidders must submit a technical product catalogue for all tools, equipment and machines bid on with the tender submission for verification of meeting the specifications in Section 7.

3.2 ADDITIONAL CONDITIONS OF TENDER (ACT)**ACT 1 ELIGIBILITY – CSD REGISTRATION**

Tenderers are required to be registered on the National Treasury Central Supplier Database (CSD) as a service provider. In the case of a Joint Venture, this requirement will apply individually to each party in the Joint Venture. Tenderers not so registered, at time of closing of tenders, will not be eligible to submit tenders.

The Tenderer's CSD Supplier Number (starting with "MAAA") is to be provided in the relevant portions of the tender submission.

Tenderers who wish to register on the CSD may do so via web address <https://secure.csd.gov.za>.

ACT2. QUOTATION GUIDANCE

It is not compulsory for bidders to quote on all items for this tender. Bidders have the liberty to quote for only the items they wish to submit a response to.

ACT 3 INTENTION TO AWARD

The Council intends to award the contract to more than one responsive bidder.

SECTION 4: RETURNABLE TENDER DOCUMENTS

The required returnable documents are as detailed in **Section 2 (Clause 4)**: "Returnable Schedules, Forms, Certificates" of the **Conditions of Tender** / Special Conditions of Tender.

- 1) Authority of Signatory
- 2) Tax Compliance Status PIN / Tax Clearance Certificate
- 3) Declaration of Municipal Fees
- 4) Declaration with respect to The Occupational Health and Safety Act
- 5(a) MBD 4: Declaration of Interest
- 5(b) MBD 5: Declaration for Procurement Above R10 Million
- 5(c) MBD 6.1: Preference Points Claim
- 5(d) MBD 8: Declaration of Bidder's Past Supply Chain Management Practices
- 5(e) MBD 9: Certificate of Independent Bid Determination

The Tender Form can be found in **Section 9**: "Official Tender Form", and any additional schedules, forms, certificates can be found in **Section 10**: "Annexures".

1) AUTHORITY OF SIGNATORY

Reference is made to the Conditions of Tender: **Clause 4(5)(c)**.

Indicate the status of the tenderer by ticking the appropriate box hereunder.

COMPANY		CLOSE CORPORATION		PARTNERSHIP		JOINT VENTURE		SOLE PROPRIETOR	
Refer to Notes at the bottom of the page									

I / We, the undersigned, being the Chairperson (Company), Member(s) (Close Corporation), Partners (Partnership), Sole Owner (Sole Proprietor), Lead Partner (JV), in the company / business trading as:

.....

hereby authorise Mr/Mrs/Ms

acting in the capacity of

to sign all documents in connection with the tender for Contract No. **1J-24952** and any contract resulting from it on our behalf.

NAME	ADDRESS	SIGNATURE	DATE

Notes

Tenderers are to include, at the back of their tender submission document, a printout of the following documents:

If a Company : a "Resolution of the Board" in this regard.

If a Joint Venture : a "Power of Attorney" signed by the legally authorised signatories of all the partners to the Joint venture.

2) TAX COMPLIANCE STATUS PIN / TAX CLEARANCE CERTIFICATE

SARS has introduced a new Tax Compliance Status System. Tenderers can submit a Tax Compliance Status PIN (TCS PIN) instead of an original Tax Clearance Certificate. This TCS PIN can be used by third parties to certify the taxpayer's real-time compliance status.

Separate Tax Clearance Certificates / TCS PINs are required for each entity in a Joint Venture.

The TCS PIN(s) are to be entered on the information table in **SECTION 1: GENERAL INFORMATION**.

Tenderers are to include, at the back of their tender submission document, a printout of their Tax Compliance Status PIN (TCS PIN) OR an original Tax Clearance Certificate.

Failure to include the required document will make the tender submission non-responsive.

*I, the undersigned, who warrants that they are authorised to sign on behalf of the Tenderer, confirms that the information contained in this form is within my personal knowledge and is to the best of my belief both true and correct, **and that the requested documentation has been included in the tender submission.***

NAME (Block Capitals): _____

Date

SIGNATURE: _____

3) DECLARATION OF MUNICIPAL FEES

I, the undersigned, do hereby declare that the Municipal fees of

.....
(full name of Company / Close Corporation / partnership / sole proprietary/Joint Venture)

(hereinafter referred to as the TENDERER) are, as at the date hereunder, fully paid or an Acknowledgement of Debt has been concluded with the Municipality to pay the said charges in instalments.

The following account details relate to property of the said TENDERER:

Account

Account Number: to be completed by tenderer.

Consolidated Account No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Electricity

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Water

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Rates

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Other

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

I acknowledge that should the aforesaid Municipal charges fall into arrears, the Municipality may take such remedial action as is required, including termination of any contract, and any payments due to the Contractor by the Municipality shall be first set off against such arrears.

- Where the TENDERER'S place of business or business interests are outside the jurisdiction of eThekweni Municipality, a copy of the accounts/agreements from the relevant municipality must be attached (to the back inside cover of this document).
- Where the tenderer's Municipal Accounts are part of their lease agreement, then a copy of the agreement, or official letter to that effect is to be attached (to the back inside cover of this document).

Tenderers are to include, at the back of their tender submission document, a printout of the above account's and or agreements signed with the municipality.

Failure to include the required document will make the tender submission non-responsive.

NAME (Block Capitals):

Date

SIGNATURE:

4) DECLARATION WITH RESPECT TO THE OCCUPATIONAL HEALTH AND SAFETY ACT**Definitions**

The Act: The Occupational Health and Safety Act No 85 of 1993 (as amended by the Occupational Health and Safety Amendment Act No 181 of 1993), and any associated / applicable Regulations.

Declaration by Tenderer

1. I, the undersigned, hereby declare and confirm that I am fully conversant with the Act.
2. I hereby declare that my company has the competence and the necessary resources to safely carry out the work / supply / services under this contract in compliance with the Act, and the Employer's / Purchaser's / Client's Health and Safety Specifications.
3. I hereby undertake, if my tender is accepted, to provide on request a suitable and sufficiently documented Health and Safety Plan which plan shall be subject to approval by the Employer / Purchaser / Client.
4. I hereby confirm that adequate provision has been made in my tendered rates to cover the cost of all resources, actions, training and all health and safety measures envisaged in the Act, and that I will be liable for any penalties that may be applied by the Employer / Purchaser / Client for failure to comply with the provisions of the Act.
5. I agree that my failure to complete and execute this declaration to the satisfaction of the Employer / Purchaser / Client will mean that I am unable to comply with the requirements of the Act and accept that my tender will be prejudiced and may be rejected at the discretion of the Employer / Purchaser / Client.

NAME (Block Capitals):**Date****SIGNATURE:**

5(a) MBD 4: DECLARATION OF INTEREST**NOTES**

MSCM Regulations: “in the service of the state” means to be:

- (a) a member of:
 - (i) any municipal council.
 - (ii) any provincial legislature.
 - (iii) the national Assembly or the national Council of provinces.
- (b) a member of the board of directors of any municipal enterprise.
- (c) an official of any municipality or municipal enterprise.
- (d) an employee of any national or provincial department, national or provincial public enterprise 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 enterprise.
- (f) an employee of Parliament or a provincial legislature.

“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.

- 1 No bid will be accepted from persons **in the service of the state**.
- 2 Any person, having a kinship with persons **in the service of the state**, including a blood relationship, 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 and/or take an oath declaring his/her interest.
- 3 In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

3.1 Name of enterprise

Name of enterprise’s representative

3.2 ID Number of enterprise’s representative

3.3 Position enterprise’s representative occupies in the enterprise

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 / sole proprietors / partners in partnerships, their individual identity numbers and state employee numbers must be indicated in paragraph 4 below. In the case of a joint venture, information in respect of each partnering enterprise must be completed and submitted.

Circle Applicable

3.8 Are you presently in the service of the state?

YES

NO

If yes, furnish particulars:

.....

3.9 Have you been in the service of the state for the past twelve months?

YES

NO

If yes, furnish particulars:

.....

3.10 Do you have any relationship (family, friend, other) with persons in the service of the state and who may be involved with the evaluation and or adjudication of this bid?

YES

NO

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 who may be involved with the evaluation and or adjudication of this bid?

YES

NO

If yes, furnish particulars:

.....

.....

3.12 Are any of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state?

YES

NO

If yes, furnish particulars:

.....

.....

3.13 Are any spouse, child or parent of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state?

YES

NO

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

If yes, furnish particulars:

.....

.....

- 4 The names of all directors / trustees / shareholders / members / sole proprietors / partners in partnerships, their individual identity numbers and state employee numbers must be indicated below. In the case of a joint venture, information in respect of each partnering enterprise must be completed and submitted

Full Name	Identity No.	State Employee No.	Personal income tax No.
Use additional pages if necessary			

I, the undersigned, who warrants that they are authorised to sign on behalf of the Tenderer, confirms that the information contained in this form is within my personal knowledge and is to the best of my belief both true and correct.

NAME (Block Capitals):

.....

Date

.....

SIGNATURE:

.....

5(b) **MBD 5: DECLARATION FOR PROCUREMENT ABOVE R10 MILLION**
(ALL APPLICABLE TAXES INCLUDED)

For all procurement expected to exceed R10 million (all applicable taxes included), bidders must complete the following questionnaire.

		Circle Applicable	
		YES	NO
1.0	Are you by law required to prepare annual financial statements for auditing?		
1.1	If YES, submit audited annual financial statements for the past three years or since the date of establishment if established during the past three years.		
2.0	Do you have any outstanding undisputed commitments for municipal services towards any municipality for more than three months or any other service provider in respect of which payment is overdue for more than 30 days?	YES	NO
2.1	If NO, this serves to certify that the bidder has no undisputed commitments for municipal services towards any municipality for more than three months or other service provider in respect of which payment is overdue for more than 30 days.		
2.2	If YES, provide particulars.		
3.0	Has any contract been awarded to you 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?	YES	NO
3.1	If YES, provide particulars.		
4.0	Will any portion of goods or services be sourced from outside the Republic, and, if so, what portion and whether any portion of payment from the municipality / municipal entity is expected to be transferred out of the Republic?	YES	NO
4.1	If YES, provide particulars.		

If required by 1.1 above, tenderers are to include, at the back of their tender submission document, a printout of their audited annual financial statements.

I, the undersigned, who warrants that they are authorised to sign on behalf of the Tenderer, confirms that the information contained in this form is within my personal knowledge and is to the best of my belief both true and correct, and, if required, that the requested documentation has been included in the tender submission.

NAME (Block Capitals):

Date

SIGNATURE:

5(c) MBD 6.1: PREFERENCE POINTS CLAIM
In terms of THE PREFERENTIAL PROCUREMENT REGULATIONS (2022)

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

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

1.0 GENERAL CONDITIONS

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

- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 The applicable preference point system for this tender is the **90/10 preference point system**.

1.3 Preference Points for this tender shall be awarded for:

- **Price and Specific Goals:** Either 90 (price) and 10 (specific goals), in terms of 1.2 above.
- The total Preference Points, for Price and Specific Goals, is 100.

1.4 Failure on the part of the tenderer to submit the required proof or documentation, in terms of the requirements in the (Special) Conditions of Tender for claiming **Specific Goal** preference points, will be interpreted that preference points for **Specific Goals** are not claimed.

1.5 The Municipality reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard of preferences, in any manner required by the Municipality.

2.0 DEFINITIONS

2.1 “**tender**” means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation.

2.2 “**price**” means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts.

2.3 “**rand value**” means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes.

2.4 “**tender for income-generating contracts**” means a written offer in the form determined by Municipality in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the Municipality and a third party that produces revenue for the Municipality, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions.

2.5 “**the Act**” means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3.0 FORMULA FOR CALCULATION OF PREFERENCE PRICE POINTS

3.1 PROCUREMENT OF GOODS AND SERVICES

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

80 / 20 Points System

OR

90 / 10 Points System

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

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

Where:

P_s = Points scored for price of tender under consideration

P_t = Price of tender under consideration

P_{min} = Price of lowest acceptable tender

4.0 POINTS AWARDED FOR SPECIFIC GOALS

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

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

TABLE 1: Specific Goals for the tender and points claimed are indicated per the table below.**Tenderers are to indicate their points claim for each of the Specific Goals.**

The Specific Goals to be allocated points in terms of this tender	Maximum Number of points ALLOCATED (90/10 system)	Points allocated (90/10 system)	Number of points CLAIMED (80/20 system)
Ownership Goal: Race (black)	5		n/a
RDP Goal: The promotion of South African owned enterprises.	5		n/a
	10		n/a
Total CLAIMED Points (20 Maximum)			

I, the undersigned, who warrants that they are authorised to sign on behalf of the Tenderer, certify that the points claimed, based on the specific goals as specified in the tender, qualifies the tendering entity for the preference(s) shown.

I acknowledge that:

- 1) The information furnished is true and correct.
- 2) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form.
- 3) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct.
- 4) If the specific goals have been claimed or obtained on a fraudulent basis, or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have:
 - (a) disqualify the person from the tendering process.
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct.
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation.
 - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution, if deemed necessary.

NAME (Block Capitals):

Date

SIGNATURE:

5(d) MBD 8: DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

- 1.0 This Municipal Bidding Document must form part of all bids invited.
- 2.0 It serves as a declaration to be used by municipalities and municipal entities 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.
- 3.0 The bid of any bidder may be rejected if that bidder, or any of its directors have:
- abused the municipal entity's supply chain management system or committed any improper conduct in relation to such system.
 - been convicted for fraud or corruption during the past five years.
 - wilfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years.
 - been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).
- 4.0 In order to give effect to the above, the following questions must be completed and submitted with the bid.

- 4.1 Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers 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 Accounting Officer / Authority of the institution that imposed the restriction after the audi alteram partem rule was applied.)

The Database of Restricted Suppliers now resides on the National Treasury's website (www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.

- 4.1.1 If YES, provide 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)?

The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.

- 4.2.1 If YES, provide particulars.

.....

.....

- 4.3 Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?

- 4.3.1 If YES, provide particulars.

.....

.....

Circle Applicable	
YES	NO

YES	NO
-----	----

YES	NO
-----	----

- 4.4 Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?

YES

NO

4.4.1 If YES, provide particulars.

.....

.....

- 4.5 Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?

YES

NO

4.5.1 If YES, provide particulars.

.....

.....

I, the undersigned, who warrants that they are authorised to sign on behalf of the Tenderer, confirms that the information contained in this form is within my personal knowledge and is to the best of my belief both 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.

NAME (Block Capitals):

Date

SIGNATURE:

5(e) MBD 9: CERTIFICATE OF INDEPENDENT BID DETERMINATION**NOTES**

- ¹ Includes price quotations, advertised competitive bids, limited bids and proposals.
- ² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.
- ³ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

- 1.0 This Municipal Bidding Document (MBD) must form part of all **bids**¹ invited.
- 2.0 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or **bid rigging**).² Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3.0 Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
- a. take all reasonable steps to prevent such abuse;
 - b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
 - c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
- 4.0 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**.
- 5.0 In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid.

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of Municipality / Municipal Entity)

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

I certify, on behalf of:

(Name of Bidder)

that:

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.
 - (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 consortium³ will not be construed as collusive bidding.

7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
- (a) prices.
 - (b) geographical area where product or service will be rendered (market allocation).
 - (c) methods, factors or formulas used to calculate prices.
 - (d) the intention or decision to submit or not to submit, a bid.
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid.
 - (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.
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.

NAME (Block Capitals):

Date

SIGNATURE:

SECTION 5: CONDITIONS OF CONTRACT

GOVERNMENT PROCUREMENT: CONDITIONS OF CONTRACT (July 2010)

The **Conditions of Contract** are the **General Conditions of Contract** as published by the National Treasury titled "Government Procurement: General Conditions of Contract (July 2010), as amended by National Treasury Circular 52 dated 30 July 2010, hereinafter referred to as **GCC**.

THE NATIONAL TREASURY

Republic of South Africa



GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT

July 2010

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1. **Definitions**
The following terms shall be interpreted as indicated:
 - 1.1 "Closing time" means the date and hour specified in the bidding documents for the receipt of bids.
 - 1.2 "Contract" means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
 - 1.3 "Contract price" means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
 - 1.4 "Corrupt practice" means the offering, giving, receiving, or soliciting of anything 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 goods are so delivered and a valid receipt is obtained.
 - 1.11 "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.
 - 1.12 "Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
 - 1.13 "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
 - 1.14 "GCC" means the General Conditions of Contract.
 - 1.15 "Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
 - 1.16 "Imported content" means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the goods covered by the bid will be manufactured.
 - 1.17 "Local content" means that portion of the bidding price, which is not included in the imported content provided that local manufacture does take place.
 - 1.18 "Manufacture" means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
 - 1.19 "Order" means an official written order issued for the supply of goods or works or the rendering of a service.
 - 1.20 "Project site," where applicable, means the place indicated in bidding documents.
 - 1.21 "Purchaser" means the organization purchasing the goods.
 - 1.22 "Republic" means the Republic of South Africa.
 - 1.23 "SCC" means the Special Conditions of Contract.
 - 1.24 "Services" means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.
 - 1.25 "Supplier" means the successful bidder who is awarded the contract to maintain and administer the required and specified service(s) to the State.
 - 1.26 "Tort" means in breach of contract.
 - 1.27 "Turnkey" means a procurement process where one service provider assumes total responsibility for all aspects of the project and delivers the full end product / service required by the contract.
 - 1.28 "Written" or "in writing" means hand-written in ink or any form of electronic or mechanical writing.
2. **Application**
 - 2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services (excluding professional services related to the building and construction industry), 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 goods, services or works.
 - 2.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.
3. **General**
 - 3.1 Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.
 - 3.2 Invitations to bid are usually published in locally distributed news media and on the municipality/municipal entity website.

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4. **Standards**
- 4.1 The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.
5. **Use of contract documents and information inspection**
- 5.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- 5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.
- 5.3 Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.
- 5.4 The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.
6. **Patent Rights**
- 6.1 The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.
- 6.2 When a supplier developed documentation / projects for the municipality / municipal entity, the intellectual, copy and patent rights or ownership of such documents or projects will vest in the municipality / municipal entity.
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**.
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 goods to be produced or services to be rendered should at any stage be subject to inspections, tests and analyses, the bidder or contractor's premises shall be open, at all reasonable hours, for inspection by a representative of the purchaser or organization acting on behalf of the purchaser.
- 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 goods 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 goods or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such goods or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6 Goods 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 goods may on or after delivery be inspected, tested or analysed and may be rejected if found not to comply with the requirements of the contract. Such rejected goods 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 goods, which do comply with the requirements of the contract. Failing such removal the rejected goods shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute goods forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected goods, purchase such goods 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 22 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 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, and in any subsequent instructions ordered by the purchaser.
10. **Delivery and documents**
- 10.1 Delivery of the goods and arrangements for shipping and clearance obligations, shall be made by the supplier in accordance with the terms **specified in the contract**.
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**.
12. **Transportation**
- 12.1 Should a price other than an all-inclusive delivered price be required, **this shall be specified**.
-

13. **Incidental Services**
- 13.1 The supplier may be required to provide any or all of the following services, **including additional services**, if any:
- (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**, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:
- (a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and;
 - (b) in the event of termination of production of the spare parts:
 - (i) advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
 - (ii) following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.
15. **Warranty**
- 15.1 The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.
- 15.2 This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, **unless specified otherwise**.
- 15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.
- 15.4 Upon receipt of such notice, the supplier shall, **within the period specified** 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**, 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**.
- 16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfilment 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**.
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** or in the purchaser's request for bid validity extension, as the case may be.
18. **Variation orders**
- 18.1 In cases where the estimated value of the envisaged changes in purchase does not vary more than 15% of the total value of the original contract, the contractor may be instructed to deliver the goods or render the services as such. In cases of measurable quantities, the contractor may be approached to reduce the unit price, and such offers may be accepted provided that there is no escalation in price.
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 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 goods are required, or the supplier's services are not readily available.

- 21.4 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 22.2 without the application of penalties.
- 21.5 Upon any delay beyond the delivery period in the case of a goods contract, the purchaser shall, without cancelling the contract, be entitled to purchase goods 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:
- 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;
 - if the supplier fails to perform any other obligation(s) under the contract; or
 - if the supplier, in the judgement of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
- 23.2 In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner, as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.
- 23.3 Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.
- 23.4 If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the supplier as having no objection and proceed with the restriction.
- 23.5 Any restriction imposed on any person by the purchaser will, at the discretion of the purchaser, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the purchaser actively associated.
- 23.6 If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:
- the name and address of the supplier and / or person restricted by the purchaser;
 - the date of commencement of the restriction
 - the period of restriction; and
 - the reasons for the restriction.
- These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.
- 23.7 If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.
24. **Antidumping and countervailing duties and rights**
- 24.1 When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the supplier to the purchaser or the purchaser may deduct such amounts from moneys (if any) which may otherwise be due to the supplier in regard to goods 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 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 for goods delivered and / or services rendered according to the prescripts of the contract.
28. **Limitation of Liability**
- 28.1 Except in cases of criminal negligence or wilful 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.
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 SARS must have certified that the tax matters of the preferred bidder are in order.
- 32.4 No contract shall be concluded with any bidder whose municipal rates and taxes and municipal services charges are in arrears.
33. **Transfer of Contracts**
- 33.1 The contractor shall not abandon, transfer, cede assign or sublet a contract or part thereof without the written permission of the purchaser.
34. **Amendment of contracts**
- 34.1 No agreement to amend or vary a contract or order or the conditions, stipulations or provisions thereof shall be valid and of any force unless such agreement to amend or vary is entered into in writing and signed by the contracting parties. Any waiver of the requirement that the agreement to amend or vary shall be in writing, shall also be in writing.
35. **Prohibition of restrictive practices**
- 35.1 In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder(s) is / are or a contractor(s) was / were involved in collusive bidding.
- 35.2 If a bidder(s) or contractor(s) based on reasonable grounds or evidence obtained by the purchaser has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in section 59 of the Competition Act No 89 Of 1998.
- 35.3 If a bidder(s) or contractor(s) has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

SECTION 6: SPECIAL / ADDITIONAL CONDITIONS OF CONTRACT

The **Conditions of Contract** make reference to the **Special Conditions of Contract (SSC)** for details that apply specifically to this bid. The **Special Conditions of Contract** shall have precedence in the interpretation of any ambiguity or inconsistency between it and the **Conditions of Contract**.

Each item below is cross-referenced to the clause in the **Conditions of Contract** to which it mainly applies.

SCC 1.2 **CONTRACT**

This contract is a 36 months contract.

SCC 7.1 **PERFORMANCE SECURITY**

The liability of the Performance Security shall be Nil.

SCC 10.1 **DELIVERY AND DOCUMENTS**

The equipment will have to be delivered to eThekweni Municipality Premises and must be accompanied by an invoice.

10.1.1 The following documentation (soft and hard copies) shall accompany the equipment:

- a) Operating manual
- b) Spares manual

10.1.2 The following documentation shall accompany the tender response:

- a) A technical product catalogue clearly describing the equipment make and model and its capabilities for the application with reference to the specifications.

SCC 11.1 **INSURANCE**

The service provider is to take adequate insurance to cover the item/s when it leaves the premises of the bidder until it is fully delivered and commissioned at eThekweni Municipality Premises.

SCC 12.1 **TRANSPORTATION**

No separate costs will be paid by the City for transportation of the goods, the service provider must provide a price which is inclusive of delivery costs.

SCC 14.1 **SPARE PARTS**

The service provider must have service representation in the South Africa and preferably in the eThekweni Municipal area that can provide spare parts for the unit tendered on.

SCC 15.2 **WARRANTY**

All tools, equipment and plant items to be supplied with a minimum two (2) years warranty. The warranty shall be applicable to the eThekweni Municipality department delivery address.

SCC 16.1 PAYMENT

The Contractor shall submit to the Department concerned a detailed account which shall reflect the identifying number of each item / service. Payment will be made on this account when checked and substantiated by the authorised official.

Payment for goods received and accepted by the Municipality shall be made no later than 30 days after submission of invoice or claim, provided however that all the terms of the contract are duly complied with.

Payment will be made only to the supplier. Factoring arrangements will not be accepted.

SCC 17 PRICE

Prices are fixed for the first 12 months period, and thereafter adjusted annually using the (Consumer Price Indices) CPI

SCC 21.1 DELAYS IN THE SUPPLIER'S PERFORMANCE

Units are to be delivered within 30 days from confirmation of order. Only Items 4.1, 4.2, 4.3, 4.9, 4.10 and 4.11 will be allowed a 31-60 days delivery period from confirmation of order.

SCC 22.1 PENALTIES

Any unit delivered after the due date in accordance with the delivery schedule will incur a late delivery penalty of R500.00 per calendar day per unit

ADDITIONAL CONDITIONS OF CONTRACT**ACC1 PERFORMANCE MONITORING & ASSESSMENT OF SERVICE PROVIDERS**

For contract awards that are greater than R10m, the Contractor shall be subjected to "Performance Monitoring" assessments in terms of the applicable Section of the Council's current Supply Chain Management Policy.

ACC2 QUALITY OF PRODUCTS

No inferior products will be accepted under this enquiry.

Should there be any cause for complaint against the standard of service or quality of products offered which is not resolved within a period of 10 working days, the Municipality reserves the right to cancel the contract after serving one month's notice, in writing, to the supplier involved. Should such notice be given, the supplier shall nevertheless be obliged to perform the duties covered by the contract up to the date of expiration of the period of notice.

ACC3 SATISFACTORY PERFORMANCE

The supplier shall employ for the purpose of this contract only such personnel as are careful and competent and the Municipality shall be at liberty to object to and require the supplier to remove from the job forthwith any person, including supervisory staff, employed by the supplier who, in the opinion of the Municipality, misconducts himself/herself or is incompetent or negligent in the proper performance of his/her duties and such person shall not again be employed upon this contract without the permission of the Municipality.

ACC4 OCCUPATIONAL INJURIES AND DISEASES ACT

This act replaces the Workmen's Compensation Act:

The supplier shall, before commencement of work, produce documentary proof to the Deputy Municipal Manager, Treasury: Finance that he has complied in all respects with the provisions of the Occupational Injuries and Diseases Act. The supplier undertakes that he/she will perform and comply with all provisions of the Occupational Injuries and Diseases Act and more particularly that he/she will render all returns and pay all assessments for which he/she is liable in terms of such Act.

ACC5 DAMAGE TO PERSONS AND PROPERTY

- (1) The supplier **shall** indemnify and keep indemnified the Council against any claim for death, injury, damage or loss to any person or property whatsoever in respect thereof or in relation thereto.
- (2) The supplier enters into this contract as an independent contractor and shall be solely liable in respect of any claim for death, injury, damage or loss to any person or property whatsoever in respect thereof or in relation thereto.

ACC6 RATE OF EXCHANGE VARIATION

Where the goods are imported the Contractor shall within seven days of date of Official Purchase Order, arrange through his bankers for the foreign commitment to be covered forward down to the Rand in order to fix the rate of exchange. The Contractor shall notify the Municipality as soon as possible thereafter regarding the rate which has been fixed on such forward exchange. The forward cover shall be from a reputable South African bank. The Contractor is to confirm with the employer prior to placing forward cover if the service provider is acceptable.

Any increase or decrease between the basic rate of exchange as at 12:00 on the date of close of the bid and that existing at the date of establishment of the forward exchange cover within the period stipulated above shall be paid or deducted by the Municipality. Upon the failure of the Contractor to arrange forward exchange cover, the Contractor shall be liable should there be an increase in the basic rate of exchange occurring after the last-mentioned date.

The bank charges incurred in obtaining the forward exchange cover must be included in the Tenderer's bid.

ACC7 ESTIMATED QUANTITIES

The quantities stated in Section 8 are applicable for evaluation purposes only. The final quantity of goods and services required shall vary, depending on the total number of actual instances a service/goods will be required over the Contract Period. The rates tendered shall be applicable, irrespective of the total quantity of goods and services procured over the contract duration.

ACC8 SERVICE PROVIDER OFFICE REQUIREMENTS

The service provider must have, for the duration of the contract, a local presence (within the Geographical eThekweni boundary).

ACC9 AFTER SALES SUPPORT

The service provider must supply the unit with full warranty, repair, and technical back-up services at the delivery address.

SECTION 7: SCOPE AND SPECIFICATION OF REQUIRED SUPPLY / SERVICES

1. Scope

The intent of these items is to provide fully operational tools, equipment and plant for the description in the below tables. Items are expected to be for heavy-duty and industrial use hence premium quality items are expected. The equipment shall be supplied complete and fully assembled and operational in all respects.

Item 1: Technical specification for various powered garden and forestry maintenance equipment

Item 2: Technical specification for various pneumatic drive tools and accessories

Item 3: Technical specification for various electrical tools and equipment

Item 4: Technical specification for specialised and engine driven equipment

Item 5: Technical specification for various mechanical tools and equipment

Item 6: Technical specification for Ride on Mowers

Item 7: Technical specification for a 4 seater Golf cart

Item 8: Technical specification for a 6 seater Golf cart

Item 9: Technical specification for a Quad Bike

Item 10: Technical specification for an Electric Quad Bike

Item 11: Technical specification for a Rescue Ski with paddle

Item 12: Technical specification for an Inflatable Rescue Boat with trailer

Item 13: Technical specification for a Rescue Jet Ski/Wave runner with trailer

Item 14: Technical specification for a Rescue Board

Item 15: Technical specification for Tractor Attachments

Item 16.1: Technical specification for a Trailer Mounted Woodchipper unit (250 mm)

Item 16.2: Technical specification for a Trailer Mounted Woodchipper unit (375 mm)

Item 17: Technical specification for a multi-purpose recreational vehicle trailer

Item 18: Technical specification for supply and delivery of a printing and vinyl cutting machine with accessories

Item 19: Generator trailer

Item 20: Mobile Tower Lighting trailer

2. Equipment details

Item 1: Technical specification for various powered garden and forestry maintenance equipment

All items to be supplied as a complete kit and onsite commissioning and training is expected for a minimum of two persons (operator and maintenance). Minimum guarantee of 2 years required on all equipment.

Description	Minimum requirements
1.1 Brush cutters (Minimum 38cc)	<ul style="list-style-type: none"> • Engine capacity minimum of 38 cc producing at least 1.8kW • Anti-vibration system • Handle bar for two hands operation • Shoulder type operating harness <p>Shall be delivered in original packaging with steel cutting blade/knife, maintenance toolkit, fuel and fuel bottle for operation.</p>
1.2 Brush cutters (Minimum 40cc)	<ul style="list-style-type: none"> • Engine capacity minimum of 40 cc producing at least 2kW • Anti-vibration system • Handle bar for two hands operation • Shoulder type operating harness <p>Shall be delivered in original packaging with steel cutting blade/knife, maintenance toolkit, fuel and fuel bottle for operation.</p>
1.3 Brush cutters (Li-Ion battery cordless)	<ul style="list-style-type: none"> • Electric motor/battery voltage capacity minimum of 35V. Maintenance free motor type (Brushless). • Adjustable speed settings • Handle bar for two hands operation • Shoulder type operating harness <p>Shall be delivered in original packaging with steel cutting blade/knife, maintenance toolkit, battery and charger for operation.</p>
1.4 Brush cutter accessories	<p>1.4.1 Cutting blade/knife for Brush cutter in Item 1.1 1.4.2 Cutting blade/knife for Brush cutter in Item 1.2 1.4.3 Cutting blade/knife for Brush cutter in Item 1.3 1.4.4 Service kit for Brush cutter in Item 1.1 1.4.5 Service kit for Brush cutter in Item 1.2 1.4.6 Battery for Brush cutter in Item 1.3 1.4.7 Charger for Brush cutter in Item 1.3 1.4.8 Tool kit for servicing of Brush cutter. 1.4.9 Wire brush head for brush cutter in Item 1.1 1.4.10 Wire brush head for brush cutter in Item 1.2</p> <p>Service kits shall include all relevant filters (primary and secondary for air and fuel), spark plug/s and a suitable spray type engine cleaner.</p> <p>Tool kits must include relevant mechanical tools for servicing the entire unit (including engine) and sharpening of the blade.</p>

1.5 Clearing Saw (Minimum 42cc)	<ul style="list-style-type: none"> Engine capacity minimum of 42 cc producing at least 2kW Anti-vibration system Handle bar for two hands operation Shoulder type operating harness <p>Shall be delivered in original packaging with steel cutting blade, maintenance toolkit, fuel and fuel bottle for operation.</p>
1.6 Clearing Saw (Minimum 55cc)	<ul style="list-style-type: none"> Engine capacity minimum of 55 cc producing at least 2.5kW Anti-vibration system Handle bar for two hands operation Shoulder type operating harness <p>Shall be delivered in original packaging with steel cutting blade, maintenance toolkit, fuel and fuel bottle for operation.</p>
1.7 Clearing Saw accessories	<p>1.7.1 Cutting blade for Clearing saw in Item 1.5 1.7.2 Cutting blade for Clearing saw in Item 1.6 1.7.3 Service kit for Clearing saw in Item 1.5 1.7.4 Service kit for Clearing saw in Item 1.6 1.7.5 Tool kit for servicing of Clearing saw. 1.7.6 Wire brush head for brush cutter in Item 1.5 1.7.7 Wire brush head for brush cutter in Item 1.6</p> <p>Service kits shall include all relevant filters (primary and secondary for air and fuel), spark plug/s and a suitable spray type engine cleaner. Tool kits must include relevant mechanical tools for servicing the entire unit (including engine) and sharpening of the saw.</p>
1.8 Chain Saw (Minimum 55cc)	<ul style="list-style-type: none"> Engine capacity minimum of 55 cc producing at least 3kW Anti-vibration system Safety fail safe type controls <p>Shall be delivered in original packaging with bar and chain, maintenance toolkit, chain oil, fuel and fuel bottle for operation</p>
1.8.1 Extended bar and matching chain	<ul style="list-style-type: none"> Extended length bar and matching chain for Item 1.8
1.9 Chain Saw (Minimum 70cc)	<ul style="list-style-type: none"> Engine capacity minimum of 70 cc producing at least 3.5kW Anti-vibration system Safety fail safe type controls <p>Shall be delivered in original packaging with bar and chain, maintenance toolkit, chain oil, fuel and fuel bottle for operation</p>
1.9.1 Extended bar and matching chain	<ul style="list-style-type: none"> Extended length bar and matching chain for Item 1.9
1.10 Chain Saw (Li-Ion battery cordless)	<ul style="list-style-type: none"> Electric motor/battery voltage capacity minimum of 35V. Maintenance free motor type (Brushless). Anti-vibration system Safety fail safe type controls

	<ul style="list-style-type: none"> 35 cm cutting length or better <p>Shall be delivered in original packaging with bar and chain, maintenance toolkit, chain oil, battery and charger for operation.</p>
1.11 Chain Saw accessories	<p>1.11.1 Bar for Chain saw in Item 1.8 1.11.2 Bar for Chain saw in Item 1.9 1.11.3 Bar for Chain saw in Item 1.10 1.11.4 Chain for Chain saw in Item 1.8 1.11.5 Chain for Chain saw in Item 1.9 1.11.6 Chain for Chain saw in Item 1.10 1.11.7 Service kit for Chain saw in Item 1.8 1.11.8 Service kit for Chain saw in Item 1.9 1.11.9 Battery for Chain saw in Item 1.10 1.11.10 Charger for Chain saw in Item 1.10 1.11.11 Tool kit for servicing of Chain saw.</p> <p>Service kits shall include all relevant filters (primary and secondary for air and fuel), spark plug/s and a suitable spray type engine cleaner. Tool kits must include relevant mechanical tools for servicing the entire unit (including engine) and sharpening of the chain.</p>
1.10 Pole Pruner (Minimum 25cc)	<ul style="list-style-type: none"> Engine capacity minimum of 25 cc producing at least 0.9kW Telescopic shaft with a working range within 2.70-4.0 metres or better. Anti-vibration system Safety fail safe type controls <p>Shall be delivered in original packaging with bar and chain, maintenance toolkit, chain oil, fuel and fuel bottle for operation</p>
1.11 Pole Pruner (Minimum 35cc)	<ul style="list-style-type: none"> Engine capacity minimum of 35 cc producing at least 1.25kW Telescopic shaft with a working range within 2.70-4.0 metres or better. Anti-vibration system Safety fail safe type controls <p>Shall be delivered in original packaging with bar and chain, maintenance toolkit, chain oil, fuel and fuel bottle for operation</p>
1.12 Pole Pruner accessories	<p>1.12.1 Bar for Pole pruner in Item 1.10 1.12.2 Bar for Pole pruner in Item 1.11 1.12.3 Chain for Pole pruner in Item 1.10 1.12.4 Chain for Pole pruner in Item 1.11 1.12.5 Service kit for Pole pruner in Item 1.10 1.12.6 Service kit for Pole pruner in Item 1.11 1.12.7 Tool kit for servicing of Pole pruner.</p>

	<p>Service kits shall include all relevant filters (primary and secondary for air and fuel), spark plug/s and a suitable spray type engine cleaner.</p> <p>Tool kits must include relevant mechanical tools for servicing the entire unit (including engine) and sharpening of the chain.</p>
1.13 Garden Blower (Minimum 25cc)	<ul style="list-style-type: none"> • Engine capacity minimum of 25 cc producing at least 0.6kW • Blowing force of minimum 10N. • Noise levels to be below 105 dB. <p>Shall be delivered in original packaging with blowing nozzle, maintenance toolkit, shoulder harness, fuel and fuel bottle for operation</p>
1.14 Garden Blower (Minimum 27cc)	<ul style="list-style-type: none"> • Engine capacity minimum of 27 cc producing at least 0.8kW • Blowing force of minimum 14N. • Noise levels to be below 107 dB. • Anti-vibration system. <p>Shall be delivered in original packaging with blowing nozzle, maintenance toolkit, shoulder harness, fuel and fuel bottle for operation</p>
1.15 Garden Blower (Li-Ion battery cordless)	<ul style="list-style-type: none"> • Electric motor/battery voltage capacity minimum of 35V. Maintenance free motor type (Brushless). • Anti-vibration system • Blowing force of minimum 15N. • Noise levels to be below 100 dB. • Anti-vibration system. • Shall be delivered in original packaging with blowing nozzle, maintenance toolkit, shoulder harness, battery and charger for operation.
1.16 Garden Blower accessories	<p>1.16.1 Garden blower nozzle in Item 1.13 1.16.2 Garden blower nozzle in Item 1.14 1.16.3 Garden blower nozzle in Item 1.15 1.16.4 Service kit for Garden blower in Item 1.13 1.16.5 Service kit for Garden blower in Item 1.14 1.16.6 Service kit for Garden blower in Item 1.15 1.16.7 Battery for Garden blower in Item 1.15 1.16.8 Charger for Garden blower in Item 1.15 1.16.9 Tool kit for servicing of Garden blower.</p> <p>Service kits shall include all relevant filters (pre and main blower filter, primary and secondary for air and fuel), spark plug/s and a suitable spray type engine cleaner.</p> <p>Tool kits must include relevant mechanical tools for servicing the entire unit (including engine) and cleaning of the blower.</p>
1.17 Hedge trimmer (Minimum 20cc)	<ul style="list-style-type: none"> • Engine capacity minimum of 20 cc producing at least 0.6kW • Double sided blade with a minimum length of 650 mm.

	<ul style="list-style-type: none"> • Anti vibration system and low noise dissipation. Shall be delivered in original packaging with blade, maintenance toolkit, shoulder harness, fuel and fuel bottle for operation
1.18 Hedge trimmer (Minimum 22cc)	<ul style="list-style-type: none"> • Engine capacity minimum of 22 cc producing at least 0.7kW • Minimum length of 750 mm. • Anti vibration system and low noise dissipation. Shall be delivered in original packaging with blade, maintenance toolkit, shoulder harness, fuel and fuel bottle for operation
1.19 Hedge trimmer (Li-Ion battery cordless)	<ul style="list-style-type: none"> • Electric motor/battery voltage capacity minimum of 35V. Maintenance free motor type (Brushless). • Double sided blade with a minimum length of 600 mm. Shall be delivered in original packaging with blade, maintenance toolkit, shoulder harness, battery and charger for operation.
1.20 Long Reach Hedge trimmer (Minimum 22cc)	<ul style="list-style-type: none"> • Engine capacity minimum of 22 cc producing at least 0.7kW • Minimum blade length of 450 mm. • Telescopic shaft with a working range within 1.70-2.70 metres or better. • Anti vibration system and low noise dissipation. Shall be delivered in original packaging with blade, maintenance toolkit, shoulder harness, fuel and fuel bottle for operation
1.21 Long Reach Hedge trimmer (Li-Ion battery cordless)	<ul style="list-style-type: none"> • Electric motor/battery voltage capacity minimum of 35V. Maintenance free motor type (Brushless). • Double sided blade with a minimum length of 450 mm. • Telescopic shaft with a working range within 2.70-4.0 metres or better. Shall be delivered in original packaging with blade, maintenance toolkit, shoulder harness, battery and charger for operation.
1.22 Hedge trimmer accessories	1.22.1 Hedge trimmer blade in Item 1.17 1.22.2 Hedge trimmer blade in Item 1.18 1.22.3 Hedge trimmer blade in Item 1.19 1.22.4 Hedge trimmer blade in Item 1.20 1.22.5 Hedge trimmer blade in Item 1.21 1.22.6 Service kit for Hedge trimmer in Item 1.17 1.22.7 Service kit for Hedge trimmer in Item 1.18 1.22.8 Service kit for Hedge trimmer in Item 1.19 1.22.9 Service kit for Hedge trimmer in Item 1.20 1.22.10 Service kit for Hedge trimmer in Item 1.21 1.22.11 Battery for Hedge trimmer in Item 1.19 1.22.12 Charger for Hedge trimmer in Item 1.19 1.22.13 Battery for Hedge trimmer in Item 1.21 1.22.14 Charger for Hedge trimmer in Item 1.21 1.22.15 Tool kit for servicing of Hedge trimmer.

	<p>Service kits shall include all relevant filters (pre and main filter, primary and secondary for air and fuel), spark plug/s and a suitable spray type engine cleaner.</p> <p>Tool kits must include relevant mechanical tools for servicing the entire unit (including engine) and cleaning of the hedge trimmer.</p>
1.23 Personal Protective equipment	<p>1.13.1 Men's Protective Gloves 1.13.2 Woman's Protective Gloves 1.13.3 Safety Glasses/Goggles 1.13.4 Men's Helmet with front protection shield and ear protection 1.13.5 Woman's Helmet with front protection shield and ear protection 1.13.6 Men's safety boots with front steel cap and limb protection 1.13.7 Woman's safety boots with front steel cap and limb protection</p> <p>The various PPE offered shall be such that it can cater for the safety and comfort of the user and their respective size. It shall be fit for purpose for the tools and equipment supplied in this chapter, and their application. Therefore, no generic general purpose PPE shall be accepted.</p>

Item 2: Technical specification for various pneumatic drive tools and accessories

All pneumatic tools to have supply inlet of 1/4" bsp tapper, coupler and hose of at least 2 meters unless specified.

<u>Description</u>	<u>Required Specification</u>
2.1 1" Drive Impact wrench	<ul style="list-style-type: none"> • Operating Pressure of 6 bar • Minimum torque of 1800 Nm • Reversible operation • Bolt range M18 to M40 • Side handle
2.2 1" Drive Impact wrench with extension and kit	<ul style="list-style-type: none"> • Operating Pressure of 6 bar • Minimum torque of 1800 Nm • Reversible operation • Bolt range M18 to M40 or M24 to M55 • Side handle • 1" Extension to be about 500 mm • Reducer – 1" to 3/4" square drive • Reducer – 1" to 3/4" • 22 square deep sockets • Impact socket kit to comprise of 1": <ul style="list-style-type: none"> • 32mm • 33mm • 34mm • 38mm • 41mm


2.3 3/4" Drive Impact wrench	<ul style="list-style-type: none"> Operating Pressure of 6 bar Minimum torque of 1200 Nm Reversible operation Bolt range M18 to M40 Side handle
2.4 3/4" Drive Impact wrench with extension and kit	<ul style="list-style-type: none"> Operating Pressure of 6 bar Minimum torque of 1200 Nm Reversible operation Bolt range M18 to M40 Side handle 3/4" Extension to be about 300mm Reducer – 1/2" to 3/4" square drive Reducer 1/2" to 3/4" 22 square deep sockets Impact socket kit to comprise of 3/4": <ul style="list-style-type: none"> 27mm 28mm 30mm 32mm 33mm
2.5 1/2" Drive Impact wrench	<ul style="list-style-type: none"> Operating Pressure of 6 bar Minimum torque of 750 Nm Reversible operation Bolt range M18 to M40 Side handle
2.6 1/2" Drive Impact wrench with extension and kit	<ul style="list-style-type: none"> Operating Pressure of 6 bar Minimum torque of 1200 Nm Reversible operation Bolt range M18 to M40 Side handle 1/2" Extension to be about 300mm Impact socket kit to comprise of 1/2": <ul style="list-style-type: none"> 13mm 16mm 19mm 22mm 24mm
2.7 Pneumatic Nut Runner (adjustable torque wrench)	<ul style="list-style-type: none"> Operating Pressure of 6 bar Torque range of 300-2500 Nm Reversible operation Pistol type Reaction bar Variable Torque adjustment from min to max torque with incremental settings
2.8 Air-Hydraulic Jack (short base)	<ul style="list-style-type: none"> Operating Pressure of 6 bar Minimum lift capacity of 30 Ton Lifting height of approx. 400 mm 2 stage extension on lift Safety device in case of air supply failure Handle bar to be approx. 1 000 mm, and lock in 3 different positions
2.9 Low speed Tyre Buffer	<ul style="list-style-type: none"> Operating Pressure of 6 bar Operating Speed of approx. 2500 RPM

	<ul style="list-style-type: none"> To include three buffer pad attachments
2.10 Pneumatic Drill	<ul style="list-style-type: none"> Operating Pressure of 6 bar Pistol type with grab handle Operating Speed of approx. 3300 RPM Chuck Size - 13mm Chuck key Trigger sensitive speed adjustment Reversible operation <u>To include a 25-bit set for steel</u>
2.11 Pneumatic Orbital Sander	<ul style="list-style-type: none"> Operating Pressure of 6 bar Operating Speed of approx. 10 000 RPM Pad Diameter – 6" To include three sanding pads
2.12 Pneumatic Polisher	<ul style="list-style-type: none"> Operating Pressure of 6 bar Variable speed control Pad Diameter – 6"
2.13 Pneumatic angle grinder	<ul style="list-style-type: none"> Operating Pressure of 6 bar Operating Speed of approx. 20,000 RPM Pad Diameter – 3:"
2.14 Pneumatic vertical grinder	<ul style="list-style-type: none"> Operating Pressure of 6 bar Operating Speed – about 6 500 RPM Wheel Diameter – 9:"
2.15 Pneumatic die grinder	<ul style="list-style-type: none"> Operating Pressure of 6 bar Operating Speed – about 25 000 RPM
2.16 Gravity Feed Spray Gun	<ul style="list-style-type: none"> Operating Pressure of 6 bar Average cup capacity 500 ml Nozzle size – 1.5mm
2.17 Rubberizing gun	<ul style="list-style-type: none"> Operating Pressure of 6 bar Average cup capacity 500 ml With various nozzle sizes ranging from 1mm to 2mm
2.18 Paraffin gun	<ul style="list-style-type: none"> Operating Pressure of 6 bar Average cup capacity 500 ml
2.19 Pneumatic 200-250 litre oil dispenser	<ul style="list-style-type: none"> Double acting pump 3 Meter delivery hose with a reel 40 litres/min dispensing 6 bar operating pressure Digital dispensing meter Mobile system using a dolly or castors with handle and brakes
2.20 Tyre inflator with analogue gauge	<ul style="list-style-type: none"> Range 0 - 1500kpa Hose length minimum of 7 meters Wall mount Dual hose with clip-on open-end connector Auto shut off valve
2.21 Pneumatic Grease Gun	<ul style="list-style-type: none"> Operating Pressure of 6 bar

	<ul style="list-style-type: none"> 500 to 600 cc Cartridge, bulk or dispenser use
2.22 Manual grease pump trolley	<ul style="list-style-type: none"> 1-2 Meter delivery hose with a reel Mobile system using a dolly or castors with handle and brakes Lever or foot operated manual system Should handle 15 litre grease buckets
2.23 Waste oil-suction drainer	<ul style="list-style-type: none"> Tank drain capacity of 75 to 120 litres Shall be able to collect oil using gravity with a minimum 500 mm diameter collection dish Adjustable vertical support with a shut off valve positioned along the pipe Suction using system that can handle hot oil if required Shall include handles and castors for easy movement To be supplied with funnel and splash guard for the collecting dish, vacuum gauge, prechamber with level indicator (if available) necessary couplers, adaptors, probes and hoses for suction and draining.

Item 3: Technical specification for various electrical tools and equipment

All electrical tools to be supplied with a South African single phase 220-230V or three phase 380V plug. Minimum guarantee of 2 years required on all electrical power tools unless otherwise specified.

<u>Description</u>	<u>Required Specification</u>
3.1 230 mm angle grinder	<ul style="list-style-type: none"> Industrial type (heavy duty) Minimum 2200W Side handle, guard and changing spanner Minimum of three-year warranty To include steel cutting disc set
3.2 115 mm angle grinder	<ul style="list-style-type: none"> Industrial type (heavy duty) Minimum 1500W Side handle, guard and changing spanner Minimum of three-year warranty To include steel cutting disc set
3.3 25m Reel Electrical Extension Cord – Single phase	<ul style="list-style-type: none"> 3 x 2.5mm², 20A, with plug and socket fitted
3.4 25m Reel Electrical Extension Cord – Three phase	<ul style="list-style-type: none"> 5 x 6mm², 50A with plug and socket fitted 
3.5 Electrical drilling machine	<ul style="list-style-type: none"> Industrial type (heavy duty) Minimum 600W Reversible direction

	<ul style="list-style-type: none"> • Variable speed • 8-16 mm key type chuck • Minimum of three-year warranty • To include side handle, chuck key and steel bit set
3.6 Magnetic base core drill	<ul style="list-style-type: none"> • Industrial type (heavy duty) Minimum 1000W • Reversible direction • Variable speed • 8-50 mm type chuck • Minimum drilling depth of 200 mm • Minimum of three-year warranty • To include drill, magnetic base, accessory tools, carry case, coolant and coolant tank, reduction sleeve (if applicable) and steel bit set
3.7 355 mm Steel cut off saw	<ul style="list-style-type: none"> • Industrial type (heavy duty) • Minimum 2000W • Mitre capability • Base with holding apparatus (vice), guard and changing spanner • Minimum of three-year warranty • To include steel cutting disc set
3.8 Plasma Cutter	<ul style="list-style-type: none"> • Industrial inverter type (heavy duty) • Minimum 60% duty cycle at 100A • 12 mm steel thickness capacity • Cutting torch with spare heads and electrodes • Minimum of three-year warranty
3.9 Videoscope/Borescope inspection camera	<ul style="list-style-type: none"> • Hand held with full colour display • SD card and usb output for images • Minimum length of 90 cm. • Probe diameters to be adjustable for engine inspections • Illuminated camera tip • Water, Coolant and oil proof • Scratch resistant tempered glass lens • To include SD card, case, battery, charger, probes, usb and video cables.
3.10 Battery tester with print out	<ul style="list-style-type: none"> • 12V and 24V capability • Full status, life analysis, load test, temperature check and health check capabilities • Multi-function LCD display • Direct print out and USB output • Easily replaceable batteries • To include carry case, spare paper reel, batteries and cable
3.11 Battery charger	<ul style="list-style-type: none"> • Smart charger • 6,12 and 24V options • Minimum 20A @ 12V • Power supply and charger cables to be included.
3.12 Multimeter	<ul style="list-style-type: none"> • Automotive application • Waterproof

	<ul style="list-style-type: none"> • Handheld portable unit • Easily replaceable batteries • Digital read out with backlight LCD display • Audible indicator • To include carry pouch, batteries and test cables (probes and croc clips)
3.13 Cordless power tool kit	<ul style="list-style-type: none"> • Lithium ion battery system • Industrial type, minimum of 18V • Units can be separate or all in one system • Drill with minimum chuck of 13 mm • 135 mm angle grinder • To include battery charger/s, carry case, steel drill bit set, steel disc cutting set, accessory tools and a spare battery for each.
3.14 MIG Welding Machine	<ul style="list-style-type: none"> • Compatible for flux core welding. • Minimum rated output of 145A at 100%, 190A at 60% and 240A at 35% duty cycle • Electronic/electrical wire feed system with speed control on front panel (digital display). • Thermal overload protection and indicator. • Spot welding function. • Adjustable burnback control. • To include, complete machine with oem mobile trolley, oem tanks storage area and holder, oem tank regulator and connector, oem earth cable with clamp, oem welding gun/torch and cable. • Minimum three-year warranty
3.15 Electrical tapping machine	<ul style="list-style-type: none"> • Industrial type (heavy duty) Minimum 400W • Depth stops • Variable speed • M6-M18 machine tap accommodation • Minimum of three-year warranty • To include side handle, tapping chuck, chuck key and tapping bit set.
3.16 Submersible Pump	<ul style="list-style-type: none"> • Single phase 220-230V with thermal protection • Should be robust enough for grey/dirty water • Internals should also be able to handle a certain amount of debris in the water • Stainless steel construction • Minimum power of 1 kW • Relevant couplings, connectors and hoses to be included in supply for use of the pump in a general application
3.17 Work lights	<ul style="list-style-type: none"> • Pair of LED lights on a sturdy steel tripod type stand. • Lights shall be adjustable with a minimum rating of 20W. • Weather resistant and water proof. • Should include a cable and plug of suitable length. • Ability to operate using 12V/24V DC or 220-230V AC power sources.

3.18 Electric compressor	<ul style="list-style-type: none"> • 220-230V • Minimum of 3HP/2000W • Belt drive piston pump type • 150 litre capacity • Minimum pressure delivery of 6 bar • Durable steel/alloy construction • Should have a handle and castors to easily mobilise • Protective cover for safety and outdoor use • Thermal, overload and power save protection • Emergency shut off • Relevant couplings, connectors and hoses to be included in supply for use of the compressor in a general application
3.19 Booster pack	<ul style="list-style-type: none"> • 12V and 24V premium/professional portable booster pack for heavy duty vehicles • Minimum current range of 1500-3000A for 24V and 12V respectively • High quality thermoplastic casing (must not be brittle) • Automatic charging function • Fuse protection (easily replaceable) • Copper/Bronze cables and clamps (insulated casing type) • To be supplied with a reachable handle on castors or an equivalent dolly for the pack. • To include charger.
3.20 Electric engraver	<ul style="list-style-type: none"> • Stainless steel or carbide high strength engraver • To include hard case, letter and number template and accessory kit including, scribes, grinders, polishing, sanding and cutting interchangeable heads.
3.21 High pressure cleaner	<ul style="list-style-type: none"> • Minimum power rating of 3000W • Minimum 120 bar operating pressure • Minimum 550 l/hr flow rate • Hose and pressure gun with different spray modes • Sealed easy to reach ON/OFF switches • Safety protection for motor overheat/overload • To have a reachable carry handle and castors for easy mobility
3.22 High pressure steam cleaner	<ul style="list-style-type: none"> • Minimum power rating of 3000W • Minimum 130 bar operating pressure • Ceramic internals for heating parts • Hose and pressure gun with different spray modes • Temperature range up to approx. 80°C • Sealed easy to reach ON/OFF switches • Safety protection for motor overheat/overload • To have a reachable carry handle and castors for easy mobility
3.23 Bench grinder	<ul style="list-style-type: none"> • Minimum power rating of 750W • 10" wheel diameter

	<ul style="list-style-type: none"> Adjustable safety shields Sealed easy to reach ON/OFF switches To include pair of abrasive wheels and mounting bolts
3.24 Floor polishing machine (walk behind type)	<ul style="list-style-type: none"> Minimum single phase electrical motor capacity of 1000W Minimum of 150 rpm oscillation Minimum polish pad and scrubbing brush diameter of 400 mm. To include a polish and pad scrubbing set with the machine.
3.25 Powered Broom (walk behind type)	<ul style="list-style-type: none"> Self powered twin broom system Brush working width of 600mm or better Minimum waste tank capacity of 30 litres To include one fitted and one spare set of floor brooms/brushes with the machine.
3.26 Wheel transfer line marker	<ul style="list-style-type: none"> Self powered walk behind type 10 cm marker wheel Tank capacity minimum of 12 litres Adjustable handle Drain valve
3.27 Laminating machine	<ul style="list-style-type: none"> Shall handle A4 and A3 pages Quick heat up time 80-125 micron pouch compatibility
3.28 Manual Line marker (Aerosol type)	<ul style="list-style-type: none"> Three or four wheeled unit with trigger/spray controlled push handle Shall be able to accommodate cans 350-750ml.
3.29 Manual Line marker (Pump spray type)	<ul style="list-style-type: none"> Three or four wheeled unit with trigger/spray controlled push handle Tank shall be removable for easy cleaning and maintenance Shall be able to accommodate cans 350-750ml.

Item 4: Technical specification for specialised and engine driven equipment

All items to be supplied as a complete kit and onsite commissioning and training is expected for a minimum of two persons (operation and maintenance) with training material. Minimum guarantee of 2 years required on all equipment.

4.1 Generator	<ul style="list-style-type: none"> 2.5kW capacity with two 15A 220-230V plug outlets Circuit breaker Thermal protection Emergency shut off
4.2 Generator (Heavy duty)	<ul style="list-style-type: none"> 7.5kW capacity with two 15A 220-230V plug outlets Electronic starter Circuit breaker Thermal protection Emergency shut off
4.3 Generator Pump	<ul style="list-style-type: none"> 4 stroke motor with a minimum of 5hp Flowrate of 800l/min

	<ul style="list-style-type: none"> • Should be able to handle grey/dirty water • Durable steel/alloy construction • 100 mm inlet and outlet ports • Thermal protection • Emergency shut off • Preferably self priming • To include 10-12 m heavy duty saniflex suction hose with couplings, clamps and metal strainer and (20-25m) delivery layflat hose with coupling and clamp.
4.4 Generator Welder	<ul style="list-style-type: none"> • Minimum of 220-230V 6KVA or 180A welder @ 60% duty cycle • Thermal protection • Emergency shut off • To including welding kit and PPE.
4.5 Engine driven high pressure cleaner	<ul style="list-style-type: none"> • Minimum engine power rating of 5.5Hp • Minimum 120 bar operating pressure • Minimum 450 l/hr flow rate • Hose and pressure gun with different spray modes • Sealed easy to reach ON/OFF switches • Safety protection for motor overheat/overload • To have a reachable carry handle and castors for easy mobility
4.6 Engine driven compressor	<ul style="list-style-type: none"> • 4 stroke motor with a minimum of 6hp • Belt drive piston pump type • 150 litre capacity • Minimum pressure delivery of 6 bar • Durable steel/alloy construction • Should have a handle and castors to easily mobilise • Protective cover for safety and outdoor use • Thermal, overload and power save protection • Emergency shut off • Relevant couplings, connectors and hoses to be included in supply for use of the compressor in a general application
4.7 Engine driven compressor (heavy duty)	<ul style="list-style-type: none"> • Ideally to be used in a workshop/warehouse that does not have permanent air supply • 4 stroke motor with a minimum of 12hp • Belt drive piston pump type • Minimum 150 litre capacity • Minimum pressure delivery of 8 bar • Durable steel/alloy construction • Should have sturdy height adjustable anchor type feet on channels such that it can be easily moved using a forklift • Protective cover for safety and outdoor use • Thermal, overload and power save protection • Emergency shut off • Relevant couplings, connectors and hoses to be included in supply for use of the compressor in a general application

4.8 Fuel bowser (self powered)	<ul style="list-style-type: none"> 800-1000L bowser tank made of automotive grade stainless steel Shall be designed to be used on the back of a LDV Suitable channels on the base such that a forklift can move the structure 12V electric pump with digital counter, dispensing nozzle and hose of sufficient length. 12V battery to be supplied. The dispensing system should have a logger that can keep a record of dispensed fuel and preferably a print out system. 4.5kg Fire extinguisher to be mounted and easily accessible SABS/SANS/NRCS/ADR compliance for fuel bowser, fuel storage and fuel dispensing equipment for mobile road use.
4.9 Drill press	<ul style="list-style-type: none"> 380-400V 0.8-1.3 kW motor V-belt driven system Drill capacity of 30 mm for mild steel Large base/stand Tapper shank Heavy duty adjustable vice Electrical coolant system (if available) Adjustable speed range Emergency stop Digital read out for depth and speed Safety shield for work area if available To include two chuck, morse cone, coolant, vice, steel drill bit set, tooling to maintain the machine and material support equipment.
4.10 Industrial workshop fans	<ul style="list-style-type: none"> 380-400V 0.75-1.5 kW IP55 motor Belt drive box fan type Minimum diameter of 1000 mm Made from galvanised steel and stainless steel Maintenence free components Adjustable louvers To be mounted on heavy duty castors with brakes. To be supplied with a 10 m cable and plug.
4.11A Demolition breaker/Jackhammer (electrical)	<ul style="list-style-type: none"> 2kW capacity, single phase 220-230V Anti vibration system and safety type controls Thermal protection Emergency shut off To include maintenance tool kit, one pointed and one flat hex chisel with the machine
4.11B Demolition breaker/Jackhammer (engine powered)	<ul style="list-style-type: none"> 4 stroke motor with a minimum capacity of 30cc Anti vibration system and safety type controls Thermal protection Emergency shut off To include maintenance tool kit, one pointed and one flat hex chisel with the machine

4.11C Demolition breaker/Jackhammer (pneumatic)	<ul style="list-style-type: none"> • Low vibration silenced hammer type • Anti vibration system and safety type controls • Thermal protection • Operating Pressure of 6 bar • To include maintenance tool kit, air couplers with a 15m reinforced braided air hose, one pointed and one flat hex chisel with the machine
4.12 Compacting Roller (engine powered walk behind type)	<ul style="list-style-type: none"> • Double rollers with a minimum compaction width of 650 mm • Minimum engine power of 6kW • Hydraulic steer/steering operation
4.13 Lawnmower (engine driven walk behind type)	<ul style="list-style-type: none"> • Heavy duty application (commercial and industrial size applications) • Anti-corrosive steel, Aluminium or Automotive grade stainless steel chassis construction • Heavy duty wheels with bearings • Adjustable cutting height • Minimum 450 mm cutting width with 3 blade disc • Minimum 60 litre grass collector box • Engine capacity 150 cc/5Hp or better
4.14 Two speed Lawnmower (engine driven walk behind type)	<ul style="list-style-type: none"> • Heavy duty application (commercial and industrial size applications) • Anti-corrosive steel, Aluminium or Automotive grade stainless steel chassis construction • Heavy duty wheels with bearings • Adjustable cutting height • 2 speed gearbox • Minimum 650 mm cutting width with heavy duty blade • Side protection for cut debris not to splatter whilst in operation • Minimum 60 litre grass collector box • Engine capacity 350 cc/9Hp or better
4.15 Heavy duty Lawnmower (engine driven walk behind type)	<ul style="list-style-type: none"> • Heavy duty application (commercial and industrial size applications) • Anti-corrosive steel, Aluminium or Automotive grade stainless steel chassis construction • Heavy duty wheels with bearings • Adjustable cutting height • Minimum 600 mm cutting width with 3 blade disc • Engine capacity 300 cc/10Hp or better
4.16 Cylinder Lawnmower (engine driven walk behind type)	<ul style="list-style-type: none"> • Heavy duty application (commercial and industrial size applications) • Anti-corrosive steel, Aluminium or Automotive grade stainless steel chassis construction • Heavy duty wheels with bearings • Adjustable cutting height • Minimum 500 mm cutting width with 6 blade cylinder • Engine capacity 300 cc/10Hp or better
4.17 Lawnmower accessories	4.17.1 Lawnmower blade for Item 4.13

	<p>4.17.2 Lawnmower service kit for Item 4.13 4.17.3 Lawnmower blade for Item 4.14 4.17.4 Lawnmower service kit for Item 4.14 4.17.5 Lawnmower blade for Item 4.15 4.17.6 Lawnmower service kit for Item 4.15 4.17.7 Lawnmower blade for Item 4.16 4.17.8 Lawnmower service kit for Item 4.16 4.17.9 Tool kit for servicing of Lawnmower.</p> <p>Service kits shall include all relevant filters (pre and main filter, primary and secondary for air and fuel), spark plug/s and a suitable spray type engine cleaner. Tool kits must include relevant mechanical tools for servicing the entire unit (including engine) and cleaning of the blade.</p>
4.18 Tiller (Cultivator)	<ul style="list-style-type: none"> • Heavy duty application • Anti-corrosive steel and corrosion protection • Forward and reverse drive settings • Foldable wheels for easy movement • Minimum working width of 95cm • Engine power rating of 5kW or better
4.19 Generator Pump (Heavy Duty)	<ul style="list-style-type: none"> • 4 stroke motor with a minimum of 15kW • Flowrate of 1500l/min • Should be able to handle grey/dirty water • Durable steel/alloy construction • 150 mm inlet and outlet ports • Thermal protection • Emergency shut off • Self Priming • To include 10-12 m heavy duty saniflex suction hose with couplings, clamps and metal strainer and (20-25m) delivery layflat hose with coupling and clamp.

Item 5: Technical specification for various mechanical tools and equipment

All mechanical tools to be supplied as kits in a lockable toolbox. Minimum guarantee of 10 years required on all mechanical tools such as spanners, sockets, ratchets.

5.1 Mechanics toolkit	<p>Socket Set - 1/2" Drive</p> <ul style="list-style-type: none"> • Socket set from 8mm to 32mm • Reversible Ratchet • Breaker Bar • Speed brace bar • Spark plug sockets 16mm and 20.8mm • Extension 3", 6", 12" <p>Spanners</p> <ul style="list-style-type: none"> • Combination set 6mm to 32mm • Swivelhead set 10mm to 24mm <p>Combination Wrenches</p> <ul style="list-style-type: none"> • 1/4" to 1" • 7mm to 24mm
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	<p>Tubing Wrenches</p> <ul style="list-style-type: none"> • 3/8" to 3/4" • 2mm to 18mm <p>Hex (Allen) Wrenches</p> <ul style="list-style-type: none"> • 0.50" to 3/8" • 2 mm to 7mm <p>Screw Drivers</p> <ul style="list-style-type: none"> • Blade Type • Stubby • 1/4" x 6" • 1/4" x 9" • 3/8" x 9" • 3/8" x 16" • Offset • Phillips • #2 Stubby • #1 Tip • #2 Tip • #3 Tip • Offset <p>Torx Bits Tamper Proof Screwdriver type set</p> <ul style="list-style-type: none"> • T-8, T-10, T-20, T-25, T-27, T-30, T-40, T-50, T-55 <p>Pliers</p> <ul style="list-style-type: none"> • Slip Joint 6" • Needle Nose 6" • Diagonal Cutter 7" • Channel Locks 12" • Long Reach End Cutter • Vise Grip Pliers 10" <p>Snap/Retaining Ring Pliers</p> <ul style="list-style-type: none"> • Internal Retaining Ring Pliers • External Retaining Ring Pliers • Snap Ring Pliers <p>Files with Handles</p> <ul style="list-style-type: none"> • Flat 10" Mill Bastard • Round 8" - 10" • Three Cornered <p>Hammers</p> <ul style="list-style-type: none"> • Ball Peen • Soft Faced Dead Blow • Hand Drilling • Copper • Rubber mallet • 14 pound hammer • 4 pound hammer (rubber grip handle) <p>Punch and Chisel Set</p> <ul style="list-style-type: none"> • Centre Punch • Pin Punch - 1/8", 3/16", 1/4", 5/16" • Taper Punch 3/8", 1/2", 5/8"
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	<ul style="list-style-type: none"> • Brass Punch - 3/4" • Cape Chisel - 5/16" • Cold Chisel - 3/8" - 3/4" <p>Pry Bars</p> <ul style="list-style-type: none"> • Rolling Head 16" • Straight 16" <p>Brake Service Tools</p> <ul style="list-style-type: none"> • Brake Spring Pliers • Hold Down Tool <p>Small Tools</p> <ul style="list-style-type: none"> • "O" Ring Pic • A/C, fuel line disconnect set • Inspection Mirror • Spark Plug Feeler Gauge • Feeler Gauge (Blade type) • Flexible Pick Up Tool (magnetic and claw type) • Tape Measure 5m • Hack Saw • Tubing Cutter • Gasket/Carbon Scraper • Air Blow Gun • Tin snips • Digital Vernier measuring calliper • Filter wrench (three different OEM types) • Tap and Die set (30-40 piece)
5.2 Auto electrician's toolkit	<p>Electrical Tools</p> <ul style="list-style-type: none"> • Digital Multi meter (spec as per item 3.16) • 12-24 volt test light or LED circuit Tester • Remote Starter Switch • Insulation piercing test probes <p>Pliers</p> <ul style="list-style-type: none"> • Telephone pliers • Combination pliers • Side cutters • Universal pliers <p>Other tools</p> <ul style="list-style-type: none"> • Insulated lug crimper (industrial type with multiple interchangeable adaptors) • Insulated auto wire stripper (minimum 200 mm) • Insulated cable cutter (minimum 200 mm) • Ratchet cable cutter (insulated) • Gas cartridge soldering iron with spare gas cartridge and solder reel
5.3 Welders toolkit	<ul style="list-style-type: none"> • Self darkening welding helmet • 2.5m x 25mm welding cable with earth clamp. • 2.5m x 25mm welding cable with electrode holder. • Three pack 5 row wire brush (carbon steel, stainless steel and brass) • Metal chipping hammer • Pair of welding gloves. • Welding apron. • Fillet welding gauge

	<ul style="list-style-type: none"> Seam welding gauge Tungsten carbide scribe Folding type square 16 piece file set 6 piece heavy duty C-clamp locking pliers 200 mm adjustable wrench MIG/Radius welding pliers
5.4 Spray-painters toolkit	<ul style="list-style-type: none"> Spray gun set, Gravity feed, 1.8mm and 2.5mm nozzles. Minimum transfer efficiency of 60%. Gun should be made of aluminium, stainless steel and plated brass/bronze. No plastic bodies. Devilbiss or equivalent is preferred. Pair of 6m 9.5mm air hoses, solvent resistant with couplers. Spray gun cleaning brush kit including nozzle needle. Heat gun (minimum 2000w), to include carry case, accessory hoods and 10m extension cord. 8 piece paint scraper set, stainless steel, 25mm to 100mm Triangular stainless steel paint scraper Multi tool stainless steel paint scraper Shaver tool Stanley knife with spare pack of blades Window scraper Window tinting kit Putty knife
5.5 Hand riveter	<ul style="list-style-type: none"> Stainless steel 2.4mm to 4.8mm rivet capacity Industrial heavy duty type with sturdy grips Minimum 240mm To include key, and nose pieces for various rivets
5.6 Tong/Scissor type riveter	<ul style="list-style-type: none"> Stainless steel 3.2mm to 6.4mm rivet capacity Industrial heavy duty type with sturdy grip handle Minimum 800mm open length To include key, and nose pieces for various rivets
5.7 Long armed riveter	<ul style="list-style-type: none"> Stainless steel and structural rivets 4.0mm to 6.4mm rivet capacity Industrial heavy duty type with sturdy grip handles Minimum 600mm length Adjustable Waste mandrel collector preferred To include key, and nose pieces for various rivets
5.8 Air jack	<ul style="list-style-type: none"> Heavy duty robust type material (puncture resistant) Should be suitable for 4x4 light delivery vehicles including double cabs and off road use (minimum 3000 kg capacity)

	<ul style="list-style-type: none"> • Should be inflatable using exhaust or compressor. • To include suitable 12V compressor that can be plugged to cigarette lighter and/or vehicle battery • To include carry bag and spare hoses including exhaust hose.
5.9 Electricians test kit	<ul style="list-style-type: none"> • Earth Resistance Tester • Digital Insulation Tester • Loop/PSC Impedance Tester • 400A AC Clamp Meter • ELCB Tester • Phase Rotation Meter • Industrial Multimeter up to 1100V • Heavy Duty Meter Case
5.10 Torque wrench	<ul style="list-style-type: none"> • ½" drive • Torque range approx. from 40-220 Nm • To include 125 mm extension • Grip handle with clear analogue reading of torque increments • Must have click indicator when torqued to the set value • To be supplied in a carry case.
5.11 Pool Cleaner (Creepy Crawly type)	<ul style="list-style-type: none"> • Free range movement with the ability to climb walls of the pool. • Two or more suction points preferred. • Premium large coverage dimensions and materials for environmental safety • To include all hoses and couplers for a full size professional swimming pool

Item 6: Technical specification for Ride on Mowers

The intent of this specification is to provide for a fully operational self powered ride on mower, which has the capability to be used in a professional/commercial application for large grounds, parks, stadiums and sport fields. It shall have all attachments including blades, protective shields around the cutting system, engine and any other rotating items.

Bidder shall provide different options based on the options below describing the engine performance and cutting width.

1. SPECIFICATIONS for all units:

Machine Type:	Hydrostatic Ride on Mower
Minimum Load Capacity:	One adult with an adjustable robust padded seat and backrest
Power Type:	Electronic ignition (key start) fuel powered engine
Control Type:	Sit Down – Ride on

Wheels (tyres and rims):	All terrain wheels (tyres and rims) fitted and supplied as standard with the unit.
Construction:	Chromium steel/Aluminium/galvanised steel/automotive grade stainless steel chassis and parts with suitable corrosion protection for high corrosive environment.
Wheel base (approx.):	1100-1400 mm
Service Brakes:	Hydraulic Lever and/or Foot Pedal
Parking Brakes:	Mechanical Hand Lever

2. TRANSMISSION:

Automatic variable speed with forward, reverse and park.

3. STANDARD EQUIPMENT INCLUSIVE:

- Mounted fire extinguisher
- Sun canopy
- ROPS to be added for all mowers where an option.
- Spare wheel with tool kit
- LED work Light
- Reverse Alarm
- Jump start receptacle
- Non slip floor mat
- Solar panel and regulator connected for battery charging
- Gauge pack/Monitor panel including odometer and/or hour meter, temperature and level for oil and coolant, battery, fuel, emergency warning and auto shut off in case of emergency or damage.

Chapters 1 to 3 of Item 6 cover the standard items for all mowers that shall be supplied. The bidder shall provide options on the mowers as classified below. Section 8 will also allow for the bid of replacement/spare blade/s, wheels and various attachments that may be available for the particular mower. Closest dimensions/ratings/specifications will be allowed dependent on the tolerance.

Item 24	Min. Engine power	Cutting width	Mower
6.1 2WD mower (1-1.1 m cutting width)	11 kW	1-1.1 metres	Variable cutting depth via adjustment
6.2 2WD mower (1.2-1.3 m cutting width)	13 kW	1.2-1.3 metres	Variable cutting depth via adjustment
6.3 2WD mower (1.3-1.6 m cutting width)	14 kW	1.3-1.6 metres	Variable cutting depth via adjustment

6.4 AWD mower (1-1.1 m cutting width)	12 kW	1-1.1 metres	Variable cutting depth via adjustment
6.5 AWD mower (1.2-1.3 m cutting width)	14 kW	1.2-1.3 metres	Variable cutting depth via adjustment
6.6 AWD mower (1.3-1.6 m cutting width)	15 kW	1.3-1.6 metres	Variable cutting depth via adjustment
6.7 Heavy duty mower (1.7 m or greater)	16 kW	1.7 metres or better	Variable cutting depth via adjustment
6.8 Heavy duty mower (2 m or greater)	20 kW	2 metres or better	Variable cutting depth via adjustment

Item 7: Technical specification for a 4 seater Golf cart

1. SPECIFICATIONS for the unit:

Machine Type:	4 seater Golf Cart with canopy and side curtains/covers
Load Capacity:	4 adult seater
Seats:	All forward facing with armrests. Seats and backrests to be padded with a robust polyurethane/vinyl covering.
Wheelbase:	2 200- 2 700 mm
Power Type:	Electric
Control Type:	Seated driver-right hand drive
Tyres:	Airless type (super elastic) or Solid
Service Brakes:	Foot control
Parking Brakes:	Mechanical Hand/Foot Lever
Minimum Battery Voltage / Capacity	48-60V / 100Ah system
Current Battery Change over system:	Lift out
Battery Monitoring Unit Qty:	1 unit per battery (must also communicate to charger)
Charger Type:	High Frequency Smart Charger for RSA voltage and plug
Charger Qty:	x 1
Electrical Motors:	AC Drive 3.8-5 kw
Range:	Minimum 60 km on full charge
Gradeability:	Minimum of 10%

2.TRANSMISSION:

Fully automatic variable forward and reverse speed.

3.STANDARD EQUIPMENT INCLUSIVE:

- Reverse Alarm
- Mounted fire extinguisher
- Solar panel and regulator connected for battery charging
- Protective treaded floor mat
- Driver and passenger storage caddy/shelf
- High Mounted Strobe Light
- Auto shut off/standby mode
- Rear enclosed lockable storage utility box
- Spare wheel and tool changing kit to be supplied
- Windshield
- Side mirrors
- Front and rear LED lights
- 12V charge socket and/or usb charging sockets on dash
- Instrument panel to show speed, odometer/hour meter and battery charge level.
- Front and rear safety belts

Item 8: Technical specification for a 6 seater Golf cart**1. SPECIFICATIONS for the unit:**

Machine Type:	6 seater Golf Cart with canopy and side curtains/covers
Load Capacity:	6 adult seater
Seats:	All forward facing with armrests. Seats and backrests to be padded with a robust polyurethane/vinyl covering.
Wheelbase:	2 200- 2 700 mm
Power Type:	Electric
Control Type:	Seated driver-right hand drive
Tyres:	Airless type (super elastic) or Solid
Service Brakes:	Foot control
Parking Brakes:	Mechanical Hand/Foot Lever
Minimum Battery Voltage / Capacity	48-60V / 100Ah system
Current Battery Change over system:	Lift out
Battery Monitoring Unit Qty:	1 unit per battery (must also communicate to charger)

Charger Type:	High Frequency Smart Charger for RSA voltage and plug
Charger Qty:	x 1
Electrical Motors:	AC Drive 3.8-5 kw
Range:	Minimum 60 km on full charge
Gradeability:	Minimum of 10%

2.TRANSMISSION:

Fully automatic variable forward and reverse speed.

3.STANDARD EQUIPMENT INCLUSIVE:

- Reverse Alarm
- Mounted fire extinguisher
- Solar panel and regulator connected for battery charging
- Protective treaded floor mat
- Driver and passenger storage caddy/shelf
- High Mounted Strobe Light
- Auto shut off/standby mode
- Rear enclosed lockable storage utility box
- Spare wheel and tool changing kit to be supplied
- Windshield
- Side mirrors
- Front and rear LED lights
- 12V charge socket and/or usb charging sockets on dash
- Instrument panel to show speed, odometer/hour meter and battery charge level.
- Front and rear safety belts

Item 9: Technical specification for a Quad Bike**1. SPECIFICATIONS for the unit:**

Machine Type:	ATV AWD/4x4
Minimum Load Capacity:	200 kg
Minimum Tow Hitch Capacity:	500 kg with tow hitch included.
Minimum Engine capacity:	600 cc
Power Type:	Electronic ignition (key start) 4 stroke fuel powered engine with 4x4 drive
Control Type:	Sit Down – Ride on

Wheels (tyres and rims):	Beach application wheels (tyres and rims) fitted and supplied as standard with all terrain wheels (tyres and rims) as an option.
Construction:	Aluminium/galvanised steel/automotive grade stainless steel chassis and parts with suitable corrosion protection for beach application.
Storage:	To include a lockable cargo box mounted on the vehicle of suitable dimensions with tie down points on top.
Wheel base (approx.):	1100-1400 mm
Service Brakes:	Hydraulic Lever and/or Foot Pedal
Parking Brakes:	Mechanical Hand Lever
Colour:	Yellow/White/Red with RESCUE signage. Final colour will be communicated at the time of order.

2. TRANSMISSION:

Fully automatic variable speed with forward, reverse, park and low range.

3. STANDARD EQUIPMENT INCLUSIVE:

- Under protection of chassis including fastened belly plates for critical components (engine, cooling system, fuel tank, prop shaft, drive motors and axles etc.)
- Mounted fire extinguisher
- Spare wheel with tool kit
- LED Front & Rear Lights
- Reverse Alarm
- High Mounted LED Red/Amber strobe Light
- Side View Mirrors
- 12V charge socket
- Jump start receptacle
- Solar panel and regulator connected for battery charging
- Gauge pack/Monitor panel including odometer and/or hour meter, speed, temperature and level for oil and coolant, battery, fuel, emergency warning and auto shut off in case of emergency or damage.

4. TRAILER:

- Lightweight aluminium, galvanised steel or automotive grade stainless steel with suitable corrosion protection.
- Load area should be large enough for general purpose applications. Should have holders for paddle skis and paddles with tie down points.
- Tow eye for use with quad bike supplied.
- Manual landing leg and automatic rotatable jockey wheel.

- Stop at the front of the trailer with rear tie points. Ratchet to be included.
- Beach application tyres
- Lockable storage compartment for a tool box and jerry can (to be supplied).
- Fire extinguisher.
- Wheel arches.
- Corrosion protection and final paint colour to be Red.
- Spare wheel with tool kit.

Item 10: Technical specification for an Electric Quad Bike

1. SPECIFICATIONS for the unit:

Machine Type:	ATV AWD/4x4
Minimum Load Capacity:	180 kg
Wheelbase:	1 100- 1 400 mm
Power Type:	Electric
Control Type:	Sit Down – Ride on
Service Brakes:	Hand/lever control
Parking Brakes:	Mechanical Hand/Foot Lever
Minimum Battery Voltage / Capacity	48-60V / 50Ah system
Current Battery Change over system:	Lift out
Battery Monitoring Unit Qty:	1 unit per battery (must also communicate to charger)
Charger Type:	High Frequency Smart Charger for RSA voltage and plug
Charger Qty:	x 1
Electrical Motors:	DC Brushless/AC Drive 1.5-2 kw per motor
Range:	Minimum 60 km on full charge
Gradeability:	Minimum of 10%
Wheels (tyres and rims):	Beach application wheels (tyres and rims) fitted and supplied as standard with all terrain wheels (tyres and rims) as an option.
Construction:	Aluminium/galvanised steel/automotive grade stainless steel chassis and parts with suitable corrosion protection for beach application.

Storage:	To include a lockable cargo box mounted on the vehicle of suitable dimensions with tie down points on top.
Colour:	Yellow/White/Red with signage. Final colour will be communicated at the time of order.

2. TRANSMISSION:

Fully automatic variable speed with forward, reverse and park.

3. STANDARD EQUIPMENT INCLUSIVE:

- Mounted fire extinguisher
- Spare wheel with tool kit
- LED Front & Rear Lights
- Reverse Alarm
- High Mounted LED Red/Amber strobe Light
- Side View Mirrors
- 12V charge socket
- Solar panel and regulator connected for battery charging
- Gauge pack/Monitor panel including odometer and/or hour meter, speed, temperature and level for oil and coolant, battery, fuel, emergency warning and auto shut off in case of emergency or damage.

Item 11: Technical specification for a Rescue Ski with paddle

1. SPECIFICATIONS for the unit:

Unit Type:	Lifesaving specification rescue ski with paddles
Minimum Load Capacity:	100 kg
Control Type:	Sit Down or Standing operation
Construction:	Fibreglass composite construction deck and hull with aluminium /automotive grade stainless steel fasteners and parts with suitable corrosion protection.
Dimensions (approx.):	3200 x 600 x 200 mm
Colour:	Yellow/White/Red with RESCUE signage. Final colour will be communicated at the time of order.

2. PADDLES WITH PADDLE STRAPS:

To include one conventional rescue paddle;

Blades: Durable nylon conventional paddle blades

Shaft: Fibreglass fixed length shaft

Length: 210cm

Feather angle: 45 degrees.

And one performance wing paddle;

Blades: Epoxy fibreglass wing shaped paddle blades

Shaft: Fibreglass fixed length shaft

Length: 210cm

Feather angle: 60 degrees

Material and dimensions can be of similar/better/closest within tolerances.

3.STANDARD EQUIPMENT INCLUSIVE:

- Ski to have 4 grab on webbing handles and two foot straps.
- Knee pads.
- Pair of solid safety fixed fins.
- Drain valve.
- Repair kit included.
- A storage compartment containing, or Velcro attached lifesaving first aid kit.
- Two lifesaving lifejackets/PFDs included.
- One helmet included.

Item 12: Technical specification for an Inflatable Rescue Boat with trailer

1. SPECIFICATIONS FOR THE RESCUE BOAT:

Machine Type:	Inflatable Rescue Boat with outboard motor
Minimum Load Capacity:	600 kg
Construction:	Hypalon tubes to upgraded material and thickness 1500 DTEX or better. Double skinning for wearing sections of the deck and hull. Double seam taping. In line with requirements of South African Maritime Authority (SAMSA) and safety equipment.
Storage:	To include at least two storage pockets for PFDs, first aid kit, tow rope and other rescue items listed below.
Colour:	Red and yellow with large Rescue decals

2.STANDARD EQUIPMENT INCLUSIVE:

- Deck to be self draining or have an adequate drain valve.
- Wear guard on the engine mounting for preventing damage to the unit.

-
- Heavy duty fin.
 - 2 rescue paddles with paddle straps
 - Rescue floating tube attached to the hull via a holder or Velcro for fast deployment in line with SAMSA.
 - Speaker system with an announcement microphone for the boat preferably waterproof.
 - LED spot/search light.
 - Capsize rope and a tow rope.
 - High grip deck mats.
 - High Mounted LED Red strobe Light
 - Four lifesaving lifejackets/PFDs included.
 - Two rescue helmets.
 - Anchor and anchor rope.
 - Application specific first aid kit (bag valve mask, gloves, oropharyngeal airway-OPA etc.) that can fit in the storage box.
 - Powered double action pump and manual emergency pump.
 - Full length grab handles around the top of the boat.
 - Towing points at the front and rear.
 - Lifting points and lifting slings.
 - Maintenance tool kit and repair kit for boat.

3.OUTBOARD MOTOR:

- Minimum power of 50HP. The motor shall be preferably be a motor used for rescue applications and approved by a rescue body nationally or internationally.
- Motor shall be sealed in accordance with a recognised sealing process.
- Reinforced steering bracket and swivel holder.
- Solid or performance specification engine mounts.
- Waterproof spark plugs boots.
- Tilt kit with sleeving and washers for extra durability and robust operation.
- Kill switch.
- Cowling restraints.
- Stainless steel spin clamps.
- Sea-doo lanyard connection for auto shut down, two sets to be provided.
- Heavy duty propeller option.
- Trolling RPM switch/adaptor option.
- Engine water flush device option.
- Fuel gauge.
- Electric start.

4.TRAILER:

- Lightweight aluminium, galvanised steel or automotive grade stainless steel with suitable corrosion protection.
- Guides for the boat hull shall have rollers on the trailer for the entire hull length. Minimum of four longitudinal roller guides (two central and two outward mounted).
- Manual winch mounted at the front of the trailer for assisting loading the boat.

- Interchangeable tow eye for ball and socket coupling for LDV or to use with quad bikes.
- Manual landing leg and automatic rotatable jockey wheel.
- Stop at the front of the trailer with rear tie points. Ratchet to be included.
- Rear lights and indicators
- Beach application tyres
- Lockable storage compartment for a tool box and jerry can (to be supplied).
- Fire extinguisher.
- Wheel arches.
- Corrosion protection and final paint colour to be Red.
- Spare wheel with tool kit.

All fasteners, brackets and items being used for this item 12 shall be anti-corrosive (galvanised, stainless steel etc.)

Item 13: Technical specification for a Rescue Jet Ski/Wave runner with trailer

1. SPECIFICATIONS for the unit:

Machine Type:	2-3 person Rescue Jet Ski/Wave Runner
Minimum Load Capacity:	2-3 adults
Minimum Engine capacity:	1250 cc
Power Type:	Electronic ignition/key start with Sea-doo lanyard connection for auto shut down. Two sets to be included.
Control Type:	Sit Down – Ride on
Construction:	In line with requirements of South African Maritime Authority (SAMSA) and safety equipment
Storage:	To include a waterproof lockable cargo box mounted on the unit of suitable dimensions for PPE, first aid kit, tow rope and other rescue items
Colour:	Red and yellow with large Rescue decals

2.STANDARD EQUIPMENT INCLUSIVE:

- Two rescue sleds with three point tow ropes and couplers for each. One sled shall be rigid whilst the other inflatable. Inflatable sled shall be supplied with a 12V pump and an emergency manual hand pump. Both sleds to have ample grab and hold points.
- Wear guard on the jet ski for preventing damage from the rescue sled.
- Hand straps on the jet ski sides to easily grab out of the water onto the crafts sides. Minimum of four per side.
- Rescue floating tube attached to the hull via a holder or Velcro for fast deployment in line with SAMSA.
- Speaker system with an announcement microphone for the jet ski preferably waterproof.

-
- LED Front and rear lights
 - Side mirrors
 - High grip deck mats with footwell drains
 - High Mounted LED Red strobe Light
 - 12V charge socket
 - Jump start receptacle
 - Solar panel and regulator connected for battery charging
 - Gauge pack/Monitor panel including speed, temperature (oil and coolant), battery, fuel, emergency shut off.
 - Provision for a 2 way radio.
 - Tow rope
 - One lifesaving PFD and helmet.
 - Application specific first aid kit (bag valve mask, gloves, oropharyngeal airway-OPA etc.) that can fit in the storage box.
 - Maintenance tool kit and consumables for jet ski.

3.Trailer:

- Lightweight aluminium, galvanised steel or automotive grade stainless steel with suitable corrosion protection.
- Guides for the jet ski hull shall have rollers on the trailer for the entire hull length.
- Design shall allow the jet ski unit to be forward or rear facing in case of quick deployment.
- Manual winch mounted at the front of the trailer for assisting loading the jet ski unit.
- Interchangeable tow eye for ball and socket coupling for LDV or to use with quad bikes.
- Manual landing leg and automatic rotatable jockey wheel.
- Stop at the front of the trailer with rear tie points. Ratchet to be included.
- Rear lights and indicators
- Beach application tyres
- Lockable storage compartment for a tool box and jerry can (to be supplied).
- Fire extinguisher.
- Wheel arches.
- Corrosion protection and final paint colour to be Red.
- Spare wheel with tool kit.

All fasteners, brackets and items being used for this item 13 shall be anti-corrosive (galvanised, stainless steel etc.)

Item 14: Technical specification for a Rescue Board

1. SPECIFICATIONS for the unit:

Unit Type:	Lifesaving specification rescue board
Minimum Load Capacity:	100 kg
Control Type:	Sit Down or Lay down operation
Construction:	Lightweight fibreglass composite/EPS core/epoxy laminate construction with aluminium /automotive grade stainless steel fasteners and parts with suitable corrosion protection.
Length:	3200 mm
Colour:	Yellow/White/Red with RESCUE signage. Final colour will be communicated at the time of order.

2.STANDARD EQUIPMENT INCLUSIVE:

- Rescue board to have minimum of 8 grab on webbing handles.
- Soft Knee pads.
- To have a Fin.
- Drain and breather valve.
- Repair kit included.
- A storage compartment containing, or Velcro attached lifesaving first aid kit.
- Two lifesaving lifejackets/PFDs included.
- One helmet included.
-

Item 15: Technical specification for Tractor Attachments (Implements)

The intent of this specification is to provide for a fully operational attachments that couples to either 2WD or 4WD tractors owned by eThekweni Municipality, which has the capability to be used in a professional/commercial application for large grounds, parks, stadiums, sport fields, beaches, road sides and agricultural sites. It shall have all attachments including blades, protective shields around the cutting system, gearboxes and any other rotating items. Power packs where needed shall be included.

Bidder shall provide different options based on the options below describing the attachment. All attachments shall be interchangeable and modular.

1.1. A rotary grass cutting attachment with 1 500-2 000 mm width. The attachment shall be compatible with the tractors PTO and coupling system. It shall have a double row front and rear chain deflector. The side deflectors shall have wear pads underneath the primary structure. Adjustable cutting height, preferably using a quick release type system. Preferably shall have a four-blade system for cutting. System should be balanced and can operate either on one or two pairs of blades depending on the application.

1.2 A dual rotary grass cutting attachment with 5 500-6 300 mm width. The attachment shall be compatible with the tractors PTO and coupling system. It shall have a double row front and rear chain deflector on

all pieces. The side deflectors shall have wear pads underneath the primary structure. Adjustable cutting height, preferably using a quick release type system. Preferably shall have a four-blade system for cutting. System should be balanced and can operate either on one or two pairs of blades depending on the application.

- 1.3 A roller mower for maintenance of sports fields and stadiums. It shall have a cut width of 1 500-2 000 mm. The cutting system shall be able to cut the material finely enough to not require collection. Rollers shall be coated in a durable protective polyurethane finish. The side deflectors shall have wear pads underneath the primary structure.
- 1.4 The above attachments (1.1-1.3) shall have the option of a collection Shute that can collect the waste material in heavy duty bags. Three bags per unit shall be supplied.
- 1.5 A mowing collector attachment with an enclosed collection hopper/tank with a working width of 2 000 mm or better. Collection tank shall have a capacity of 2 500- 3 500 litres with a tank capacity indicator. The system should be able to handle applications such as sports fields/stadiums, parks and race courses. It is expected to handle refuse as well. It shall be able to offload itself into a trailer or truck with a discharge reach of 2 000 mm or better. The lid/s shall automatically open and close and hold the position when loading and off-loading. It shall have mowing capabilities and scarifying (tool attachments shall be included). Mowing shall be done preferably by a rotating drum with replaceable blades. It shall be height adjustable. Wheels to be placed for transporting the unit at tractor top speed (40km/hr).
- 1.6 A collector attachment with an enclosed collection hopper/tank with a working width of 2 000 mm or better. Collection tank shall have a capacity of 2 000- 3 000 litres with a tank capacity indicator. The system should be able to handle applications for the beaches and coastal shorelines of the eThekweni region. It is expected to handle refuse litter as well. It shall be able to offload itself into a trailer or truck with a discharge reach of 2 000 mm or better. The lid/s shall automatically open and close and hold the position when loading and off-loading. It shall have levelling capabilities before collection of litter (tool attachments shall be included). Collection shall be done preferably by a rotating system with replaceable blades and filtration of finer particles. It shall be height adjustable. Wheels to be placed for transporting the unit at tractor top speed (40km/hr). Due to the nature of the operation this system shall be preferably made with automotive grade stainless steel especially for the working parts.
- 1.7 Attachments shall be fully adjustable and allow easy universal coupling to all tractors including the supplied (three-point linkage system). Gearboxes/transfer cases and prop shafts with universal couplings and guards must be included. The chain guards and wear pads shall be easily replaceable without structural work. Maintenance free bushings/bearings and hinges shall be used. Guides and deflectors shall be installed strategically to keep the attachments clean from the generated waste. Hydraulic and electrical connections shall be made available to the attachments. Self levelling designs shall be supplied with jockey wheels and stands necessary to use the item. Solid rubber wheels are preferred.
- 1.8 Curb side road clearance system consisting of a crane, flail and a power pack (if required). The system shall be able to fit onto the tractor and be adjustable to cut the flora that generally grows on the various roadsides. The flails shall be provided in options; for cutting grass, clearing flora for uneven/rural terrain and general-purpose plants found on highway medians. Minimum working width of 1 500 mm or closest. The crane shall be provided in options based on the outreach required; minimum 5 000 mm, minimum 7 000 mm, minimum 10 000 mm or closest. The power pack shall be sufficient to be safely mounted and coupled to the primary vehicle and to operate the crane and flail to full capacity. Flail shall have

protective guards to allow debris to be contained whilst cutting and the control system should include sensitive height adjustment with emergency shut off. The power pack and crane shall have thermal and mechanical protection to safely shut down in case of machine failure. System shall have a speed limiter linked to the primary vehicle if possible whilst cutting for safety. Standard display system shall be supplied with the option of a camera mounted on the crane for easy operation from the driver's cab on a monitor.

- 1.9 A mouldboard plough for industrial agricultural operations. Shall be built robust with adjustable spacing and cutting width (minimum of 400 mm). Mouldboards shall be easy to maintain and replace plough bottoms with fasteners. Bidder shall provide a minimum bid for a 3 furrow plough board with an option of a 4 and 5 furrow plough board if available. Wear plate option for the plough boards shall be offered.
- 1.10 A disc plough for industrial agricultural operations. Shall be built robust with adjustable spacing and cutting width (minimum of 400 mm). Minimum disc diameter of 600 mm and minimum clearance of 600 mm. Adjustable disc positions (penetration angle and disc position) in multiple directions for working in different soil types. Discs shall be easy to maintain and replace with fasteners. Bidder shall provide a minimum bid for a 3 disc plough with an option of a 4 and 5 disc plough board if available. High tensile steel disc option for the plough shall be offered.
- 1.11 A hydraulic reversible plough for industrial agricultural operations. Shall be built robust with adjustable spacing of furrows. Minimum furrow working depth of 300 mm. Stone protection release system and shear bolt option to be included if offered. Adjustable positions in applicable directions for working in different soil types. Furrows shall be easy to maintain and replace with fasteners. Bidder shall provide a minimum bid for a 3 furrow plough with an option of a 4 and 5 furrow plough if available. Wear plate option for the furrows shall be offered.
- 1.12 A mouldboard ridger for industrial agricultural operations. Shall be built robust with spacing of furrows a minimum of 500 mm apart. Minimum furrow width of 300 mm and minimum working depth of 200 mm. Adjustable positions in applicable directions for working in different soil types. Furrows shall be easy to maintain and replace with fasteners. Bidder shall provide a minimum bid for a 3 furrow ridger with an option of a 4 and 5 furrow ridger mouldboard if available. Wear plate option for the furrows shall be offered.
- 1.13 A ripper for industrial agricultural operations. Shall be built robust with adjustable ripper angle settings. Tines shall be easy to maintain and replace plough bottoms with fasteners. Bidder shall provide a minimum bid for a 3 tine ripper with an option of a 4 and 5 tine ripper if available. High tensile steel option for the tines shall be offered. If the ripper is also available with a crumbler, bidder shall provide that option.
- 1.14 A bed former for industrial agricultural operations. The working width shall be a minimum of 1750 mm with a minimum working depth of 250 mm. A 3 blade pattern is recommended for all blades as standard. Rotovator shall be included with an option of a 3 furrow cultivator.
- 1.15 Boom sprayer with tank and pump. Should have an appropriate size tank (minimum of 400 litres) and pump to effectively spray herbicides and pesticides to different land areas. Should be adjustable and allow left or right hand operation configurations for spraying of weeds on pavements if possible. Bidder can provide either a 6-8 m boom option and a 10-12 m boom option.

- 1.16 A disc harrow for industrial agricultural operations. Shall be built robust with adjustable angling/spacing and locking device. Minimum disc diameter of 500 mm and minimum working depth of 150 mm. Discs shall be easy to maintain and replace with fasteners. Bidder shall provide a minimum bid for a 22 disc harrow with a minimum 2.5 m working width, with an option of a minimum 28 disc harrow with a minimum 3 m working width. High tensile steel disc option for the harrow shall be offered.
- 1.17 A Planter for seeds and grains for industrial agricultural operations. Shall be a minimum 2 row planter configuration with a working width of 1.5m. Shall have the option of seed and fertilizer tank for dual function. Tanks should be of suitable capacity seeds for seeds and fertilizer. Bidder can provide the option of a 3 or 4 row planter as well.

All items in chapter 4 must be thoroughly sealed with an approved sealer to prevent rusting between mating surfaces and drain holes must be provided in areas where water can accumulate. Any floor that persons will use on the body should be coated with a hard wearing, slip resistant material (Vastap).

Item 16.1: Technical specification for a Trailer Mounted Woodchipper unit (250 mm)

1.Scope

The intent of this specification is to provide for a fully operational trailer that can be used for the parks and recreation department to convert tree branches and trunks to chippings. Trailer will be used on roads and uneven terrain. The woodchipper system must be powered by an auxiliary engine.

The engine, pump and fuel tank should be enclosed by means of purpose built bodywork/removable panels.

2.Trailer

Trailer shall be ergonomically designed with low tare mass, low center of mass and high aerodynamic properties.

The trailer and the customization shall be designed according to these critical specifications (summary of evidence shall be provided):

- 2.1 Compulsory specification for category O1 and O2 vehicles (caravans and light trailers).
- 2.2 SANS 20013 Surface vehicles. This specification covers the braking system of motor vehicles and trailers. Maximum design speed exceeding 35km/h intended for use on public roads.
- 2.3 Overrun anti lock brakes is mandatory.
- 2.4 At the end Section 7 other specifications/standards are covered that will be adhered to.

3. Material specification

The load bearing items of the trailer shall be constructed out of non-corrosive metallic steel suitable for the application.

4. Construction requirements

1.1 Chipper

4.1.1 Chipper should have a minimum capacity of a 250 mm roller feeding system and a large enough opening for a typical application.

- 4.1.2 Dual hydraulic rollers to feed the chipper with emergency shut off in case of jamming or seizing.
- 4.1.3 The chipper should be designed to not allow any discharge of wood onto the user whilst feeding the machine.
- 4.1.4 The discharge chute must be completely adjustable and be able to have an attachment to feed either the rear load bin of a vehicle or a skip/container.
- 4.1.5 Safety hoods shall be supplied for the inlets and outlets to protect the machine from externalities when not in use.
- 4.1.6 Hydraulic lifting system is preferred.
- 4.1.7 Easily replaceable cutting bits/teeth. A high tensile/diamond tip is preferred if offered.
- 4.1.8 All functions must be clearly marked.

4.2 Tool Box

A lockable storage box incorporating two hinged lids shall be fitted and supplied for general maintenance tools.

for locking purposes.

4.3 Control Panel

All controls for the operation of the machine shall be fitted to an illuminated, lockable, water resistant control panel on the left side of the unit.

Access to the components should be through suitable spaces with adequate weather proof ventilation and the layout should be designed to enhance maintenance of the unit. Steps should be installed to provide access to the areas of the trailer. Provision should be made to remove the chipper engine, control panel and hydraulic system if needed.

All items in chapter 4 must be thoroughly sealed with an approved sealer to prevent rusting between mating surfaces and drain holes must be provided in areas where water can accumulate. Any floor that persons will use on the body should be coated with a hard wearing, slip resistant material (Vastrap).

5. Auxiliary Engine for driving the pump

5.1 The pump should be driven by an air cooled, diesel engine with a power output approximately 45 kW. The engine shall be an industry proven "popular" model with easily available service and spare parts support in the country and region by the bidder and other

5.2 The engines exhaust should be directed down and out to the side of the trailer.

5.3 Engine is to be fitted with efficient air, fuel and lubricating oil filters. A dry type air cleaner, with replaceable paper elements of South African manufacture, is required.

5.4 The engine should be direct coupled to the pump by a suitable flexible coupling.

5.5 All rotating drive systems and locations on the engine that dissipate excessive heat should be guarded in accordance with the Occupational Health and Safety Act Regulations (Act 85 of 1993).

5.6 The engine must produce the required speed and power to drive the pump and produce the required flow and pressure.

5.7 A suitable in-line disc filtration system should be incorporated to protect the pump from contaminated water.

5.8 The engine shall achieve its fuelling and electric requirements from standalone supplies on the trailer.

5.9 The engine shall achieve its fuelling requirements from a standalone minimum 50 litre supply mounted on the vehicle.

5.10 An enclosure shall be built around the engine such that it is protected and encased. There shall be ventilated removable lockable panels/doors to access the engine for maintenance.

6. Lighting

A flood light should be installed in a suitable position illuminating the working area at the rear of the trailer.

Suitable lighting should be installed near the engine, control panel and for the toolbox area.

A LED flashing hazard light should be mounted above the trailer and at the rear of the trailer. The hazard light should be protected from damage.

7. Metal Preparation and Painting Procedure

The following procedure must be adhered to:

- 7.1 Descale all metal surfaces
- 7.2 Grind down & smooth all rough edges
- 7.3 Thoroughly clean all surfaces
- 7.4 Prime the trailer using a two component self-curing inorganic zinc ethyl silicate or two component zinc rich polyamide cured epoxy primer.
- 7.5 Thereafter paint using a coat of premium quality twin pack automotive paint.
- 7.6 Paint film thickness must not be less than 80 microns each. Two coats of primer and one colour coat.

8. Colors

Underside of trailer	Black
Trailer	Verdi Green/Safety Yellow

9. Electrical and coupling requirements

All additional electrical circuits are to be suitably fused and must not interfere with or adversely affect the existing electrical system.

- 9.1 Taillight units shall be premium quality equal light units incorporating 30 LEDs or more approx. 100 mm in diameter that are screwed into position with a stainless steel flange.
- 9.2 Dual indicator, stop and taillight units to be fitted.
- 9.3 Reversing buzzer and warning light to be installed when reverse gear is engaged.
- 9.4 Solar panel shall be installed to supplement charge of the auxiliary engine battery should the prime mover vehicle be decoupled.
- 9.5 Uninterrupted power supply points shall be made available for the trailer tracking and fuel master monitoring system.
- 9.6 Electrical connector complying to;
SANS 1327: Electrical connectors for towing and towed vehicles and,
- 9.7 SANS 11446/ ISO 11446: Passenger cars and light commercial vehicles with 12 V systems -3-pole connectors between towing vehicles and trailers - Dimensions and contact allocation
- 9.8 Trailer coupling to comply with SABS 1505, Ball type couplings and towing brackets for towing caravans and light trailers.
- 9.9 Suitable fans to be installed in the auxiliary engine compartment to provide additional cooling through the enclosure if required. Fans shall be connected to the thermostat of the engine.

10. Signage and Markings

10.1 Data plates shall be fitted for:

- a) The chipper systems indicating capacity, system pressures, fluid type/grade, and other relevant data.

b) The engine and hydraulic system indicating engine make and model, capacity, serial number, oil type and grade etc.

c) Safety, operation, technical data, dates of manufacture, manufacturer's details etc.

10.2 Chevron board and plastic mudguards to the rear wheels both conforming with the appropriate SABS/SANS standard.

10.3 Durable, ultraviolet resistant and weather resistant warning signs shall be provided at all locations of the vehicle that impose a danger to persons.

10.4 Durable, ultraviolet resistant and weather resistant information signs shall be provided in specific locations to assist the driver/maintenance staff with the operation/maintenance of the vehicle.

10.5 Retro-reflective tape shall be fitted to both sides and the rear of the tank as well as the rear bumper.

11. Miscellaneous items

11.1 Full size spare wheel to be mounted in a suitable place/supplied with the trailer.

11.2 A locking fuel cap and anti-siphon device for the fuel tank.

11.3 The battery box is to be lockable (lock to be provided).

11.4 A 4.5 kg fire extinguisher should be supplied and fitted in an accessible position.

11.5 Wheel arches to have mudflaps.

11.6 Automatic jockey wheel and solid landing leg, both rotatable from 0-180 degrees for safe stow away when driving.

11.7 Additional stabiliser legs at the rear shall be installed.

Item 16.2: Technical specification for a Trailer Mounted Woodchipper unit (375 mm)

1.Scope

The intent of this specification is to provide for a fully operational trailer that can be used for the parks and recreation department to convert tree branches and trunks to chippings. Trailer will be used on roads and uneven terrain. The woodchipper system must be powered by an auxiliary engine.

The engine, pump and fuel tank should be enclosed by means of purpose built bodywork/removable panels.

2.Trailer

Trailer shall be ergonomically designed with low tare mass, low center of mass and high aerodynamic properties.

The trailer and the customization shall be designed according to these critical specifications (summary of evidence shall be provided):

2.5 Compulsory specification for category O1 and O2 vehicles (caravans and light trailers).

2.6 SANS 20013 Surface vehicles. This specification covers the braking system of motor vehicles and trailers. Maximum design speed exceeding 35km/h intended for use on public roads.

2.7 Overrun anti lock brakes is mandatory.

2.8 At the end Section 7 other specifications/standards are covered that will be adhered to.

3. Material specification

The load bearing items of the trailer shall be constructed out of non-corrosive metallic steel suitable for the application.

4. Construction requirements

4.1 Chipper

- 4.1.1 Chipper should have a minimum capacity of a 375 mm roller feeding system and a large enough opening for a typical application.
- 4.1.2 Dual hydraulic rollers to feed the chipper with emergency shut off in case of jamming or seizing.
- 4.1.3 The chipper should be designed to not allow any discharge of wood onto the user whilst feeding the machine.
- 4.1.4 The discharge chute must be completely adjustable and be able to have an attachment to feed either the rear load bin of a vehicle or a skip/container.
- 4.1.5 Safety hoods shall be supplied for the inlets and outlets to protect the machine from externalities when not in use.
- 4.1.6 Hydraulic lifting system.
- 4.1.7 Easily replaceable cutting bits/teeth. A high tensile/diamond tip is preferred.
- 4.1.8 All functions must be clearly marked.

4.2 Tool Box

A lockable storage box incorporating two hinged lids shall be fitted and supplied for general maintenance tools.

for locking purposes.

4.3 Control Panel

All controls for the operation of the machine shall be fitted to an illuminated, lockable, water resistant control panel on the left side of the unit.

Access to the components should be through suitable spaces with adequate weather proof ventilation and the layout should be designed to enhance maintenance of the unit. Steps should be installed to provide access to the areas of the trailer. Provision should be made to remove the chipper engine, control panel and hydraulic system if needed.

All items in chapter 4 must be thoroughly sealed with an approved sealer to prevent rusting between mating surfaces and drain holes must be provided in areas where water can accumulate. Any floor that persons will use on the body should be coated with a hard wearing, slip resistant material (Vastrap).

5. Auxiliary Engine for driving the pump

5.1 The pump should be driven by an air cooled, diesel engine with a power output approximately 85 kW. The engine shall be an industry proven "popular" model with easily available service and spare parts support in the country and region by the bidder and other

5.2 The engines exhaust should be directed down and out to the side of the trailer.

5.3 Engine is to be fitted with efficient air, fuel and lubricating oil filters. A dry type air cleaner, with replaceable paper elements of South African manufacture, is required.

5.4 The engine should be direct coupled to the pump by a suitable flexible coupling.

5.5 All rotating drive systems and locations on the engine that dissipate excessive heat should be guarded in accordance with the Occupational Health and Safety Act Regulations (Act 85 of 1993).

5.6 The engine must produce the required speed and power to drive the pump and produce the required flow and pressure.

5.7 A suitable in-line disc filtration system should be incorporated to protect the pump from contaminated water.

5.8 The engine shall achieve its fuelling and electric requirements from standalone supplies on the trailer.

5.9 The engine shall achieve its fuelling requirements from a standalone minimum 80 litre supply mounted on the vehicle.

5.10 An enclosure shall be built around the engine such that it is protected and encased. There shall be ventilated removable lockable panels/doors to access the engine for maintenance.

6. Lighting

A flood light should be installed in a suitable position illuminating the working area at the rear of the trailer.

Suitable lighting should be installed near the engine, control panel and for the toolbox area.

A LED flashing hazard light should be mounted above the trailer and at the rear of the trailer. The hazard light should be protected from damage.

7. Metal Preparation and Painting Procedure

The following procedure must be adhered to:

7.7 Descale all metal surfaces

7.8 Grind down & smooth all rough edges

7.9 Thoroughly clean all surfaces

7.10 Prime the trailer using a two component self-curing inorganic zinc ethyl silicate or two component zinc rich polyamide cured epoxy primer.

7.11 Thereafter paint using a coat of premium quality twin pack automotive paint.

7.12 Paint film thickness must not be less than 80 microns each. Two coats of primer and one colour coat.

8. Colors

Underside of trailer	Black
Trailer	Verdi Green/Safety Yellow

9. Electrical and coupling requirements

All additional electrical circuits are to be suitably fused and must not interfere with or adversely affect the existing electrical system.

9.10 Taillight units shall be premium quality equal light units incorporating 30 LEDs or more approx. 100 mm in diameter that are screwed into position with a stainless steel flange.

9.11 Dual indicator, stop and taillight units to be fitted.

9.12 Reversing buzzer and warning light to be installed when reverse gear is engaged.

9.13 Solar panel shall be installed to supplement charge of the auxiliary engine battery should the prime mover vehicle be decoupled.

9.14 Uninterrupted power supply points shall be made available for the trailer tracking and fuel master monitoring system.

9.15 Electrical connector complying to;

SANS 1327: Electrical connectors for towing and towed vehicles and,

9.16 SANS 11446/ ISO 11446: Passenger cars and light commercial vehicles with 12 V systems -3-pole connectors between towing vehicles and trailers - Dimensions and contact allocation

9.17 Trailer coupling to comply with SABS 1505, Ball type couplings and towing brackets for towing caravans and light trailers.

9.18 Suitable fans to be installed in the auxiliary engine compartment to provide additional cooling through the enclosure if required. Fans shall be connected to the thermostat of the engine.

10. Signage and Markings

10.1 Data plates shall be fitted for:

- a) The chipper systems indicating capacity, system pressures, fluid type/grade, and other relevant data.
- b) The engine and hydraulic system indicating engine make and model, capacity, serial number, oil type and grade etc.
- c) Safety, operation, technical data, dates of manufacture, manufacturer's details etc.

10.2 Chevron board and plastic mudguards to the rear wheels both conforming with the appropriate SABS/SANS standard.

10.3 Durable, ultraviolet resistant and weather resistant warning signs shall be provided at all locations of the vehicle that impose a danger to persons.

10.4 Durable, ultraviolet resistant and weather resistant information signs shall be provided in specific locations to assist the driver/maintenance staff with the operation/maintenance of the vehicle.

10.5 Retro-reflective tape shall be fitted to both sides and the rear of the tank as well as the rear bumper.

11. Miscellaneous items

11.1 Full size spare wheel to be mounted in a suitable place/supplied with the trailer.

11.2 A locking fuel cap and anti-siphon device for the fuel tank.

11.3 The battery box is to be lockable (lock to be provided).

11.4 A 4.5 kg fire extinguisher should be supplied and fitted in an accessible position.

11.5 Wheel arches to have mudflaps.

11.6 Automatic jockey wheel and solid landing leg, both rotatable from 0-180 degrees for safe stow away when driving.

11.7 Additional stabiliser legs at the rear shall be installed.

Item 17: Technical specification for a multi-purpose recreational vehicle trailer

1.Scope

The intent of this specification is to provide for a fully operational trailer that can be used to transport recreational vehicles for the various eThekwin Municipality departments. The trailer shall be designed as a rear ramp trailer with a top deck that can transport motorbikes, quad bikes, golf carts, ride on mowers and similar wheeled vehicles. The trailer shall be large enough to accommodate at least two of these items at a time with modular holders that can be positioned around the trailer's deck to safely keep the vehicle in place whilst in transit.

2. Trailer

Trailer shall be ergonomically designed with low tare mass, low center of mass and high aerodynamic properties.

The trailer shall be the design and size to accommodate the various equipment as mentioned in the scope.

The trailer and the customization shall be designed according to these critical specifications (latest revisions shall be used and summary of evidence shall be provided):

- 2.1 Compulsory specification for category O1 and O2 vehicles (caravans and light trailers).
- 2.2 SANS 20013 Surface vehicles. This specification covers the braking system of motor vehicles and trailers. Maximum design speed exceeding 35km/h intended for use on public roads.
- 2.3 The end of Chapter 7 covers other specifications/standards that will be adhered to.
- 2.4 Overrun anti lock brakes is mandatory.

3. Material specification

The load bearing structures and shall be made from light weight structural steel to withstand the payload and wear.

4. Construction requirements

4.1 Trailer features

- 4.1.1 Trailer should be able to accommodate a payload of 1 500 kg.
- 4.1.2 The trailer shall be 2500-3000 mm in length, minimum 1500 mm wide and suitable height.
- 4.1.3 The full width rear ramp shall open clearly at a low angle to allow the full width to be used for loading. There shall be robust ramp extensions to assist loading of vehicles with low ground clearance . Dual locking system to be included for the ramps.
- 4.1.4 The floor of the trailer shall be covered with tread plate (Vastap) where there are walkways.
- 4.1.5 The top of the trailer shall have a permanent steel deck on it with lateral adjustable flat structural supports over the entire surface to be used to secure the wheels of the various vehicles. Rope hooks shall be provided for the exterior circumference of the trailer to adequately hold and secure items loaded to the trailer deck. Four sets of quick release galvanized/stainless steel/aluminum ratchets and straps shall be included.
- 4.1.6 For motorbikes there shall be wheel holders that can be slotted in at the front of the trailer such that the front wheel can be inserted into it for stability. The rear wheel should have a floor mount guide holder to hold the wheel so the motorbike stays upright.
- 4.1.7 The front of the trailer shall have a lockable storage box/nose cone.
- 4.1.8 There shall be a manual winch with cable and safety hook on the front of the trailer to help hoist the vehicle onto the trailer. Winch and cable shall be of stainless steel/galvanized steel or a similar anti corrosive steel.
- 4.1.9 Automatic jockey wheel and solid landing leg, both rotatable from 0-180 degrees for safe stow away when driving.
- 4.1.10 Trailer tyres shall be adopted for highway speeds.
- 4.1.11 The wheel arches shall have rear mud flaps.

All items in chapter 4 must be thoroughly sealed with an approved sealer to prevent rusting between mating surfaces. Drain holes must be provided in areas where water can accumulate. Any floor that persons will use on the trailer should be coated with a non-slip resistant material.

5. Metal Preparation and Painting Procedure

The following procedure must be adhered to:

- 5.1 Descale all metal surfaces

- 5.2 Grind down & smooth all rough edges
- 5.3 Thoroughly clean all surfaces
- 5.4 Prime using a two component self-curing inorganic zinc ethyl silicate or two component zinc rich polyamide cured epoxy primer.
- 5.5 Thereafter paint using a premium quality twin pack automotive paint
- 5.6 Film thickness must not be less than 80 microns each. Two coats of primer and one colour coat is required.

6. Colors

Underside of Body	Black
Trailer	White/Blue/Green/Yellow/Metro police blue

7. Electrical and coupling requirements

Electrical circuits are to be suitably fused and must not interfere with or adversely affect the prime mover's electrical system.

- 7.1 One pair of taillight units shall be premium quality equal light units incorporating 30 LEDs or more approx. 100 mm in diameter that are screwed into position with a stainless steel flange.
- 7.2 Dual indicator, stop and taillight units to be fitted.
- 7.3 Reversing warning light to be installed when reverse gear is engaged.
- 7.4 Electrical connector complying to;
- 7.5 SANS 1327: Electrical connectors for towing and towed vehicles and, SANS 11446/ ISO 11446: Passenger cars and light commercial vehicles with 12 V systems -3-pole connectors between towing vehicles and trailers - Dimensions and contact allocation
- 7.6 Trailer coupling to comply with SABS 1505, Ball type couplings and towing brackets for towing caravans and light trailers
- 7.7 Four 3 or 4 watt LED amber/blue modules with random flashing pattern shall be installed on the rear of the trailer.

8. Signage and Markings

8.1 Data plates shall be fitted for:

- a) The trailer indicating axle loads and braking capacity for each axle, relevant masses, braking system information, towing eye information and other relevant data.
- b) Safety, operation, technical data, dates of manufacture, manufacturer's details etc.

8.2 Chevron board to be fitted underneath the rear ramp (to correctly display when ramp is raised) conforming with the appropriate SABS/SANS standard.

8.3 Durable, ultraviolet resistant and weather resistant warning signs shall be provided at all locations of the vehicle that impose a danger to persons.

8.4 Durable, ultraviolet resistant and weather resistant information signs shall be provided in specific locations to assist the driver/maintenance staff with the operation/maintenance of the vehicle.

8.5 Retro-reflective tape shall be fitted to both sides and the rear of the trailer.

9. Miscellaneous items

9.1 Full size spare wheel to be mounted/supplied in a suitable place on the trailer.

9.2 A 4.5 kg fire extinguisher should be supplied and fitted in an accessible position on the trailer.

9.3 Additional stabiliser legs at the rear shall be installed.

9.4 One jerry can and jerry can holder.

Item 18: Technical specification for supply and delivery of a printing and vinyl cutting machine with accessories

1. Scope

The intent of this specification is to provide a complete workstation consisting of a printing and vinyl cutting machine, software and cartridges/toner and vinyl to competently create signage and branding for eThekwin Municipality vehicles. A computer shall be provided from eThekwin Municipality for the printing and vinyl cutting machine, the bidder is expected to fully load and activate the software on this computer.

The machine and equipment being provided shall have a footprint in South Africa and preferably the eThekwin region such that the availability of spare parts and consumables for the printer is not compromised to maintain the machine and the services it is expected to provide.

The bidder must provide a technical catalogue of their machine confirming the below specifications.

2. Product description and dimensions

Item description	Specification overview
1. Printing and vinyl cutting machine	Machine shall have a media and ink printing cutting width range of 150-800 mm or closest. A minimum of four colours is required for printing. Machine shall be able to cope with various thicknesses up to 1 mm for printing and 0.4 mm for cutting.
2. Ink and consumables for the Printing and vinyl cutting machine	The machine shall be equipped with one complete set of ink cartridges (colour, black and white). This shall be full cartridges and not demonstration cartridges. The demonstration cartridges if included can be used for the installation and training. Cleaning fluid (amount shall cover the use of a full ink cartridge set) and a cleaning kit shall be supplied specific for the printer.
3. Blades for the vinyl cutting	The blade shall be able to accommodate all vinyl types (including fluorescent, reflective and branding) up to maximum rated thickness of the machine. Should have a holder or case for safe storage and handling.
4. Software	Software for configuration and use of the printer shall be supplied by the bidder and installed on the provided computer from eThekwin City Fleet. Automatic updates, support and lifetime access/licences to be included (if applicable).

5. Hardware for the printer	Printer should have casters on its stand and be mobile. There shall be a guide and catch to for the printed/cut media from the machine.
6. Delivery, installation and training	Bidder is expected to deliver, install and train 3 persons to competently use the printer (hardware and software) with basic maintenance of the unit. Bidder shall provide media to demonstrate printing and vinyl cutting for the setup and training.
7. Options	The bidder shall quote on the above machine with the option of a spare set of full cartridges (colour, black and white), an automated take up system and heater and blower if offered for the machine which shall be in the pricing schedule.

Item 19: Technical specification for a Generator trailer

1.Scope

The intent of this specification is to provide for a fully operational trailer that can has a self powered silent diesel generator. The trailer and generator will be used to power tools, machinery and equipment on remote urban and rural sites.

2.Trailer

Trailer shall be ergonomically designed with low tare mass, low center of mass and high aerodynamic properties.

The trailer and the customization shall be designed according to these critical specifications (summary of evidence shall be provided):

- 2.1 Compulsory specification for category O1 and O2 vehicles (caravans and light trailers).
- 2.2 SANS 20013 Surface vehicles. This specification covers the braking system of motor vehicles and trailers. Maximum design speed exceeding 35km/h intended for use on public roads.
- 2.3 Overrun anti lock brakes is mandatory.
- 2.4 At the end Section 7 other specifications/standards are covered that will be adhered to.

3. Material specification

The load bearing items of the trailer shall be constructed out of non-corrosive metallic steel suitable for the application.

4. Construction requirements

4.1 Generator

- 4.1.1 A 60-65kVA generator. Voltage shall be AC 380-440V with a current rating better than 60A. Minimum of three AC outlets are required.
- 4.1.2 The generator's mounting shall be designed to eliminate any vehicle chassis flex being transmitted to the tank. Preferably rubber block type to allow for movement when negotiating rough terrains.
- 4.1.3 Generator shall have a fully enclosed sound and waterproof enclosure with adequate ventilation for the self powered engine.

- 4.1.4 Fuel tank for the generator shall be of adequate capacity for a 6 hour shift of continuous use.
- 4.1.5 All functions must be clearly marked.
- 4.1.6 The system shall be a self powered. Lockable battery unit to be fitted on the chassis. A solar panel should provide charge to the battery when decoupled from the towing vehicle. When coupled and in motion there should be an electric supply that can charge the battery via the towing vehicle or a generator on the trailer's axles.
- 4.1.7 Battery shall be maintenance free high capacity unit.
- 4.1.8 The engine shall be a "famous" brand with adequate suppliers of service and spare parts available.
- 4.1.9 Emergency shut down.
- 4.1.10 Overload cut off.
- 4.1.11 Engine protection device for overheating and low oil pressure.

All items in chapter 4 must be thoroughly sealed with an approved sealer to prevent rusting between mating surfaces and drain holes must be provided in areas where water can accumulate. Any floor that persons will use on the body should be coated with a hard wearing, slip resistant material (Vastrap).

5. Lighting

A LED flood light should be installed in a suitable position illuminating the working area of the trailer to assist using the control panel and coupling the electrical machinery and equipment.

A pair of 3 watt amber LED flashing hazard light modules shall be mounted on each side and at the rear of the trailer. The lights should be protected from damage.

6. Metal Preparation and Painting Procedure

The following procedure must be adhered to:

- 6.1 Descale all metal surfaces
- 6.2 Grind down & smooth all rough edges
- 6.3 Thoroughly clean all surfaces
- 6.4 Prime the trailer using a two component self-curing inorganic zinc ethyl silicate or two component zinc rich polyamide cured epoxy primer.
- 6.5 Thereafter paint using a coat of premium quality twin pack automotive paint.
- 6.6 Paint film thickness must not be less than 80 microns each. Two coats of primer and one colour coat.

7. Colors

	Underside of trailer	Black	
8.	Trailer	Safety Yellow	Electrical and coupling requirements

All additional electrical circuits are to be suitably fused and must not interfere with or adversely affect the existing electrical system.

- 8.1 Taillight units shall be premium quality equal light units incorporating 30 LEDs or more approx. 100 mm in diameter that are screwed into position with a stainless steel flange.
- 8.2 Dual indicator, stop and taillight units to be fitted.
- 8.3 Reversing buzzer and warning light to be installed when reverse gear is engaged.
- 8.4 Uninterrupted power supply points shall be made available for the trailer tracking and fuel master monitoring system.
- 8.5 Electrical connector complying to;
SANS 1327: Electrical connectors for towing and towed vehicles and,
- 8.6 SANS 11446/ ISO 11446: Passenger cars and light commercial vehicles with 12 V systems -3-pole connectors between towing vehicles and trailers - Dimensions and contact allocation

8.7 Trailer coupling to comply with SABS 1505, Ball type couplings and towing brackets for towing caravans and light trailers.

9. Signage and Markings

9.1 Data plates shall be fitted for:

- a) The generator indicating capacity, operating voltages and loads, fuel type/grade, and other relevant data.
- b) Safety, operation, technical data, dates of manufacture, manufacturer's details etc.

9.2 Chevron board with rear lights to be fitted and plastic mudguards to the rear wheels both conforming with the appropriate SABS/SANS standard.

9.3 Durable, ultraviolet resistant and weather resistant warning signs shall be provided at all locations of the vehicle that impose a danger to persons.

9.4 Durable, ultraviolet resistant and weather resistant information signs shall be provided in specific locations to assist the driver/maintenance staff with the operation/maintenance of the vehicle.

9.5 Retro-reflective tape shall be fitted to both sides and the rear of the generator as well as the rear bumper.

10. Miscellaneous items

10.1 Full size spare wheel to be mounted in a suitable place.

10.2 A locking fuel cap and anti-siphon device for the fuel tank.

10.3 The battery box is to be lockable (lock to be provided).

10.4 A 4.5 kg fire extinguisher should be supplied and fitted in an accessible position.

10.5 Wheel arches to have mudflaps.

10.6 Automatic jockey wheel and solid landing leg, both rotatable from 0-180 degrees for safe stow away when driving.

10.7 Additional stabiliser legs at the rear shall be installed.

Item 19.1: Technical specification for a 2WD tractor

1. Scope

The intent of this specification is to provide for a fully operational vehicle, which will primarily be used for maintaining landscapes and has the capability to shunt light trailers and recreational vehicles.

Item 19.1 shall be a 2WD tractor which shall be primarily used for maintaining of parks terrain, vacant land and cemeteries. The tractor shall be supplied with a set of wheels (rims and tyres) for all terrain application. Bidder shall provide the option of wheels (rims and tyres) for sensitive turf like stadiums and sports grounds and for beach application.

2. Vehicle

2.1 The chassis/body shall have a Gross Vehicle Mass (GVM) of 2 200- 3000 kg.

2.2 Transmission shall be preferably fully automatic, or power assisted. Manual assisted or manual shall be equipped with at least four forward and two reverse gears.

2.3 Minimum diesel engine requirements shall be: Euro 3 to 5, 50 kW of power and 180 Nm of torque.

2.4 Vehicle should have a limited top speed of not more than 40 km/hr.

2.5 Minimum wheelbase of 2 000 mm.

2.6 Steel suspension.

-
- 2.7 Fitment of a steel under belly plate (fastened with lock washers) to protect the radiator, engine/motors and other exposed drive items.
 - 2.8 2WD tractor shall have a driver's canopy and/or the option of a fully enclosed ROPS/FOPS driver's cab in Section 8.
 - 2.9 Heater, windscreen demister and air-conditioning system should be adequate for the fully enclosed ROPS/FOPS driver's cab option.
 - 2.10 Clear visibility through all sides of the vehicle.
 - 2.11 A fully laden minimum grade ability of 40 % shall be expected.
 - 2.12 To safely and comfortably accommodate driver using a suspended type seat. To be adjustable.
 - 2.13 Wide angle adjustable mirrors.
 - 2.14 12v charger socket.
 - 2.15 Fuel tank shall be at least 60 liters with a lockable fuel cap and anti-siphon device.
 - 2.16 Automated fuel management system to remove water and dirt before delivery to the engine.
 - 2.17 Heat sensing engine protection device, mechanical monitoring system to safely shut down engine if engine cylinder head increases to an unsafe temperature.
 - 2.18 Auto lubrication system (if required), maintenance free bearings/bushings preferred.
 - 2.19 The vehicle and the customisation shall be designed according to these critical specifications (summary of evidence shall be provided):
 - a) ROPS/FOPS compliant canopy/cab.
 - b) SANS 1447-1 (SABS 1447-1), Braking (motor and towed vehicles, designed for low speed or for use off public roads) - Part 1: Low speed vehicles.
 - c) SANS 10205 (SABS 0205), The measurement of noise emitted by motor vehicles in motion
 - d) The end of Section 7 covers other specifications/standards that shall be adhered to.

3. Material specification

The load bearing items shall be made out of structural steel to withstand the payload. Corten steel and Domex for the structural rolled sections and flat plate is recommended. Wearing items shall be made of Hardox or a similar high wear resistant steel. Items that are subjective to high corrosive environment shall be made of automotive grade stainless steel similar to 3CR12.

4. Construction requirements

4.1 Areas of the floor that shall be used as access walkways shall have a hard wearing, slip resistant material (Vastrap).

4.1 Access steps and railings/grabs shall be installed in a suitable position on both sides of the vehicle to enter the driver's position.

All items in chapter 4 must be thoroughly sealed with an approved sealer to prevent rusting between mating surfaces and drain holes must be provided in areas where water can accumulate. Any floor that persons will use on the body should be coated with a hard wearing, slip resistant material (Vastrap).

5. Lighting

5.1 A pair of amber LED strobe beacon encased lights shall be installed on the top rear of the cab/canopy facing. Switch shall be located on the interior panel.

5.2 A pair of rubber encased spotlights shall be installed to the front and rear top of the cab/canopy facing the driving and rear work area. Switch shall be located on the interior panel.

5.3 There shall be a pair of interior lights for the tractor mounted on the interior roof. Switch shall be coated on the interior panel.

5.4 A chevron board shall be constructed for the tractor attachments. It shall be the same as 8.1 and shall have an electrical connector complying to SANS 1327: Electrical connectors for towing and towed vehicles.

The attachments shall have a slot and quick coupler fasteners for efficient attaching of the chevron board.

6. Metal Preparation and Painting Procedure

The following procedure must be adhered to:

6.1 Descale all metal surfaces

6.2 Grind down & smooth all rough edges

6.3 Thoroughly clean all surfaces

6.4 Prime the body, attachments and other components using a two component self-curing inorganic zinc ethyl silicate or two component zinc rich polyamide cured epoxy primer.

6.5 Thereafter paint using a coat of premium quality twin pack automotive paint.

6.6 The wearing items should have a polyurethane protective final coat.

6.7 Paint film thickness must not be less than 80 microns each. Two coats of primer and one colour coat.

7. Colors

Underside of Body

Black

Cab

Verdi Green

8. Attachments

Verdi Green

Prop shafts and safety shields

Safety Yellow

Electrical

All additional electrical circuits are to be suitably fused and must not interfere with or adversely affect the existing electrical system.

8.1 Rear units to be premium quality equal light unit incorporating 30 LEDs or more of minimum 100 mm in diameter that are screwed into position with a stainless-steel flange.

8.2 Reversing buzzer and warning light to be installed when reverse gear is engaged.

8.3 Battery isolator switch.

8.4 Uninterrupted power supply points shall be made available for the vehicle tracking and fuel master monitoring system.

8.5 All exposed electrical wiring looms of the vehicle/equipment/unit and superstructure shall be full encased in a flexible protective metallic conduit and securely clamped with fasteners to the chassis or the structure.

9. Signage and Markings

9.1 Data plates shall be fitted labelling the storage areas and capacity. Safe working loads should be labelled where necessary:

a) Safety, operation, technical data, dates of manufacture, manufacturer's details etc.

9.2 Chevron board to be fitted at the rear conforming with the appropriate SABS/SANS standard.

9.3 Durable, ultraviolet resistant and weather resistant warning signs shall be provided at all locations of the vehicle that impose a danger to persons.

9.4 Durable, ultraviolet resistant and weather resistant information signs shall be provided in specific locations to assist the driver/maintenance staff with the operation/maintenance of the vehicle.

9.5 Retro-reflective tape shall be fitted to both sides and the rear of the vehicle as well as the attachments.

10. Miscellaneous items

10.1 The batteries to have a weather proof cover to prevent debris and moisture ingress or built within the vehicle chassis.

10.2 Fuel tank, batteries and pneumatic cylinders to have structures built around them for safety or built within the vehicle.

10.3 Bolt on covers for safety where parts are rotating, swinging or of high temperature.

10.4 A 4.5 kg fire extinguisher should be supplied and fitted in an accessible position close to the driver when exiting the tractor.

10.5 One complete spare wheel for front and rear and one set of emergency changing tools shall be supplied per vehicle.

10.6 Bolt on head and tail light guards.

10.7 Front and rear mud guards constructed from a suitable material for the application.

Item 19.2: Technical specification for a 4WD tractor

1. Scope

The intent of this specification is to provide for a fully operational vehicle, which will primarily be used for maintaining landscapes and has the capability to shunt light trailers and recreational vehicles.

Item 19.2 shall be 4WD tractor with a fully enclosed cab. This tractor shall be used for beaches and rough terrain. The tractor shall be supplied with a set of wheels (rims and tyres) for all terrain application. Bidder shall provide the option of wheels (rims and tyres) for sensitive turf like stadiums and sports grounds and for beach application.

2. Vehicle

2.1 The chassis/body shall have a Gross Vehicle Mass (GVM) of 2 200- 3000 kg.

2.2 Transmission shall be preferably fully automatic, or power assisted. Manual assisted or manual shall be equipped with at least four forward and two reverse gears.

2.3 Minimum diesel engine requirements shall be: Euro 3 to 5, 50 kW of power and 180 Nm of torque.

2.4 Vehicle should have a limited top speed of not more than 40 km/hr.

2.5 Minimum wheelbase of 2 000 mm.

2.6 Steel suspension.

2.7 Fitment of a steel under belly plate (fastened with lock washers) to protect the radiator, engine/motors and other exposed drive items.

2.8 4WD drive tractors shall have a driver's cab which shall be ROPS/FOPS compliant.

2.9 Clear visibility through all sides of the vehicle.

2.10 A fully laden minimum grade ability of 40 % shall be expected.

2.11 To safely and comfortably accommodate driver using a suspended type seat. To be adjustable.

2.12 Wide angle adjustable mirrors.

2.13 Heater, windscreen demister and air-conditioning system should be adequate for the cab of the 4WD tractor.

2.14 12v charger socket.

2.15 Rear and front windscreen wipers with washer spray.

2.16 Fuel tank shall be at least 60 liters with a lockable fuel cap and anti-siphon device.

2.17 Automated fuel management system to remove water and dirt before delivery to the engine.

- 2.18 Heat sensing engine protection device, mechanical monitoring system to safely shut down engine if engine cylinder head increases to an unsafe temperature.
- 2.19 Auto lubrication system (if required), maintenance free bearings/bushings preferred.
- 2.20 The vehicle and the customisation shall be designed according to these critical specifications (summary of evidence shall be provided):
- ROPS/FOPS compliant.
 - SANS 1447-1 (SABS 1447-1), Braking (motor and towed vehicles, designed for low speed or for use off public roads) - Part 1: Low speed vehicles.
 - SANS 10205 (SABS 0205), The measurement of noise emitted by motor vehicles in motion
 - The end of Section 7 covers other specifications/standards that shall be adhered to.

3. Material specification

The load bearing items shall be made out of structural steel to withstand the payload. Corten steel and Domex for the structural rolled sections and flat plate is recommended. Wearing items shall be made of Hardox or a similar high wear resistant steel. Items that are subjective to high corrosive environment shall be made of automotive grade stainless steel similar to 3CR12.

4. Construction requirements

- 4.1 Areas of the floor that shall be used as access walkways shall have a hard wearing, slip resistant material (Vastrap).
- 4.2 Access steps and railings/grabs shall be installed in a suitable position on both sides of the vehicle to enter the driver's position.

All items in chapter 4 must be thoroughly sealed with an approved sealer to prevent rusting between mating surfaces and drain holes must be provided in areas where water can accumulate. Any floor that persons will use on the body should be coated with a hard wearing, slip resistant material (Vastrap).

5. Lighting

- 5.1 Rear units to be premium quality equal light unit incorporating 30 LEDs or more of minimum 100 mm in diameter that are screwed into position with a stainless-steel flange.
- 5.2 A pair of rubber encased spotlights shall be installed to the front and rear top of the cab/canopy facing the driving and rear work area. Switch shall be located on the interior panel.
- 5.3 Interior controls and cabin to be illuminated for use in poor light conditions.
- 5.4 There shall be a pair of interior lights for the tractor mounted on the interior roof. Switch shall be coated on the interior panel.
- 5.5 A chevron board shall be constructed for the tractor attachments. It shall be the same as 5.1 and shall have an electrical connector complying to SANS 1327: Electrical connectors for towing and towed vehicles.
- The attachments shall have a slot and quick coupler fasteners for efficient attaching of the chevron board.

6. Metal Preparation and Painting Procedure

The following procedure must be adhered to:

- Descale all metal surfaces
- Grind down & smooth all rough edges

- 6.3 Thoroughly clean all surfaces
- 6.4 Prime the body, attachments and other components using a two component self-curing inorganic zinc ethyl silicate or two component zinc rich polyamide cured epoxy primer.
- 6.5 Thereafter paint using two coats of premium quality twin pack automotive paint.
- 6.6 The wearing items should have a polyurethane protective final coat.
- 6.7 Paint film thickness must not be less than 80 microns each. Two coats of primer and one colour coat.

7. Colors

	Underside of Body	Black
8.	Cab	Verdi Green
	Attachments	Verdi Green
	Prop shafts and safety shields	Safety Yellow

Electrical

All additional electrical circuits are to be suitably fused and must not interfere with or adversely affect the existing electrical system.

- 8.1 Reversing buzzer and warning light to be installed when reverse gear is engaged.
- 8.2 Battery isolator switch.
- 8.3 Uninterrupted power supply points shall be made available for the vehicle tracking and fuel master monitoring system.
- 8.4 All exposed electrical wiring looms of the vehicle/equipment/unit and superstructure shall be full encased in a flexible protective metallic conduit and securely clamped with fasteners to the chassis or the structure.

9. Signage and Markings

9.1 Data plates shall be fitted labelling the storage areas and capacity. Safe working loads should be labelled where necessary:

a) Safety, operation, technical data, dates of manufacture, manufacturer's details etc.

9.2 Chevron board to be fitted at the rear conforming with the appropriate SABS/SANS standard.

9.3 Durable, ultraviolet resistant and weather resistant warning signs shall be provided at all locations of the vehicle that impose a danger to persons.

9.4 Durable, ultraviolet resistant and weather resistant information signs shall be provided in specific locations to assist the driver/maintenance staff with the operation/maintenance of the vehicle.

9.5 Retro-reflective tape shall be fitted to both sides and the rear of the vehicle as well as the attachments.

10. Miscellaneous items

- 10.1 The batteries to have a weather proof cover to prevent debris and moisture ingress or built within the vehicle chassis.
- 10.2 Fuel tank, batteries and pneumatic cylinders to have structures built around them for safety or built within the vehicle.
- 10.3 Bolt on covers for safety where parts are rotating, swinging or of high temperature.
- 10.4 A 4.5 kg fire extinguisher should be supplied and fitted in an accessible position close to the driver when exiting the tractor.
- 10.5 One complete spare wheel for front and rear and one set of emergency changing tools shall be supplied per vehicle.
- 10.6 Bolt on head and tail light guards.
- 10.7 Front and rear mud guards constructed from a suitable material for the application.

Item 19.3: Technical specification for an electric 4WD tractor

1. Scope

The intent of this specification is to provide for a fully operational vehicle, which will primarily be used for maintaining landscapes and has the capability to shunt light trailers and recreational vehicles.

Item 19.3 shall be an electric 4WD tractor with a fully enclosed cab. This tractor shall be used for beaches and rough terrain. The tractor shall be supplied with a set of wheels (rims and tyres) for all terrain application. Bidder shall provide the option of wheels (rims and tyres) for sensitive turf like stadiums and sports grounds and for beach application.

2. Vehicle

- 2.1 The chassis/body shall have a Gross Vehicle Mass (GVM) of 2 000- 3000 kg.
- 2.2 Transmission shall be preferably fully automatic, or power assisted. Manual assisted or manual shall be equipped with at least four forward and two reverse gears.
- 2.3 Unit shall have brushless motors with a minimum of 40 kW of AWD power. Batteries shall be expected to be 25kWh or better and shall have a lifespan of 8-10 years. Battery charger should be for RSA voltage.
- 2.4 Vehicle should have a limited top speed of not more than 40 km/hr.
- 2.5 Minimum wheelbase of 2 000 mm.
- 2.6 Steel suspension.
- 2.7 Fitment of a steel under belly plate (fastened with lock washers) to protect motors and other exposed drive items.
- 2.8 4WD drive tractors shall have a driver's cab which shall be ROPS/FOPS compliant.
- 2.9 Clear visibility through all sides of the vehicle.
- 2.10 A fully laden minimum grade ability of 40 % shall be expected.
- 2.11 To safely and comfortably accommodate driver using a suspended type seat. To be adjustable.
- 2.12 Wide angle adjustable mirrors.
- 2.13 Heater, windscreen demister and air-conditioning system should be adequate for the cab of the 4WD tractor.
- 2.14 12v charger socket.
- 2.15 Rear and front windscreen wipers with washer spray (4wd tractor).
- 2.16 Fuel tank shall be at least 60 liters with a lockable fuel cap and anti-siphon device.
- 2.17 Unit shall have safety devices to protect the motors and batteries from damage caused by use or high temperatures.
- 2.18 Auto lubrication system (if required), maintenance free bearings/bushings preferred.
- 2.19 The vehicle and the customisation shall be designed according to these critical specifications (summary of evidence shall be provided):
 - a) ROPS/FOPS compliant
 - b) SANS 1447-1 (SABS 1447-1), Braking (motor and towed vehicles, designed for low speed or for use off public roads) - Part 1: Low speed vehicles.
 - c) SANS 10205 (SABS 0205), The measurement of noise emitted by motor vehicles in motion
 - d) The end of Section 7 covers other specifications/standards that shall be adhered to.

3. Material specification

The load bearing items shall be made out of structural steel to withstand the payload. Corten steel and Domex for the structural rolled sections and flat plate is recommended. Wearing items shall be made of Hardox or a

similar high wear resistant steel. Items that are subjective to high corrosive environment shall be made of automotive grade stainless steel similar to 3CR12.

4. Construction requirements

4.1 Areas of the floor that shall be used as access walkways shall have a hard wearing, slip resistant material (Vastrap).

4.2 Access steps and railings/grabs shall be installed in a suitable position on both sides of the vehicle to enter the driver's position.

All items in chapter 4 must be thoroughly sealed with an approved sealer to prevent rusting between mating surfaces and drain holes must be provided in areas where water can accumulate. Any floor that persons will use on the body should be coated with a hard wearing, slip resistant material (Vastrap).

5. Lighting

5.1 A pair of amber LED strobe beacon encased lights shall be installed on the top rear of the cab/canopy facing. Switch shall be located on the interior panel.

5.2 A pair of rubber encased spotlights shall be installed to the front and rear top of the cab/canopy facing the driving and rear work area. Switch shall be located on the interior panel.

5.3 Interior controls and cabin to be illuminated for use in poor light conditions (4WD tractor).

5.4 There shall be a pair of interior lights for the tractor mounted on the interior roof. Switch shall be coated on the interior panel.

5.5 A chevron board shall be constructed for the tractor attachments. It shall be the same as 8.1 and shall have an electrical connector complying to SANS 1327: Electrical connectors for towing and towed vehicles.

The attachments shall have a slot and quick coupler fasteners for efficient attaching of the chevron board.

6. Metal Preparation and Painting Procedure

The following procedure must be adhered to:

6.1 Descale all metal surfaces

6.2 Grind down & smooth all rough edges

6.3 Thoroughly clean all surfaces

6.4 Prime the body, attachments and other components using a two component self-curing inorganic zinc ethyl silicate or two component zinc rich polyamide cured epoxy primer.

6.5 Thereafter paint using one coat of premium quality twin pack automotive paint.

6.6 The wearing items should have a polyurethane protective final coat.

6.7 Paint film thickness must not be less than 80 microns each. Two coats of primer and one colour coat.

7. Colors

Underside of Body	Black
Cab	Verdi Green
Attachments	Verdi Green
Prop shafts and safety shields	Safety Yellow

8. Electrical

All additional electrical circuits are to be suitably fused and must not interfere with or adversely affect the existing electrical system.

- 8.1 Tailight units to be premium quality equal light unit incorporating 30 LEDs or more of minimum 100 mm in diameter that are screwed into position with a stainless-steel flange.
- 8.2 Reversing buzzer and warning light to be installed when reverse gear is engaged.
- 8.3 Battery isolator switch.
- 8.4 Uninterrupted power supply points shall be made available for the vehicle tracking and fuel master monitoring system.
- 8.5 All exposed electrical wiring looms of the vehicle/equipment/unit and superstructure shall be full encased in a flexible protective metallic conduit and securely clamped with fasteners to the chassis or the structure.

9. Signage and Markings

9.1 Data plates shall be fitted labelling the storage areas and capacity. Safe working loads should be labelled where necessary:

a) Safety, operation, technical data, dates of manufacture, manufacturer's details etc.

9.2 Chevron board to be fitted at the rear conforming with the appropriate SABS/SANS standard.

9.3 Durable, ultraviolet resistant and weather resistant warning signs shall be provided at all locations of the vehicle that impose a danger to persons.

9.4 Durable, ultraviolet resistant and weather resistant information signs shall be provided in specific locations to assist the driver/maintenance staff with the operation/maintenance of the vehicle.

9.5 Retro-reflective tape shall be fitted to both sides and the rear of the vehicle as well as the attachments.

10. Miscellaneous items

10.1 The batteries to have a weather proof cover to prevent debris and moisture ingress or built within the vehicle chassis.

10.2 Batteries and exposed systems to have structures built around them for safety or built within the vehicle.

10.3 Bolt on covers for safety where parts are rotating, swinging or of high temperature.

10.4 A 4.5 kg fire extinguisher should be supplied and fitted in an accessible position close to the driver when exiting the tractor.

10.5 One complete spare wheel for front and rear and one set of emergency changing tools shall be supplied per vehicle.

10.6 Bolt on head and tail light guards.

10.7 Front and rear mud guards constructed from a suitable material for the application.

Applicable standards and specifications to all items in Section 7;

The following, not necessarily comprehensive, list of standard specifications are relevant (latest revisions to be adhered to):

ANSI/AWS D1.1 Structural Welding Code

Steel BS-EN 287 Part 1 Approval testing of welders/fusion welding

BS-EN 288 Part 3 Specification and approval of welding procedures for metallic materials

BS 5135 Metal arc welding of carbon and carbon manganese steels

BS 3923 Methods for ultrasonic examination of welds

BS 2600 Radiographic examination of fusion welded butt joints in steel

BS 5493 Code of practice for protective coating of iron and steel structures against corrosion

DIN 1026 Metric channels

ISO R657 Angles

SANS 135 ISO metric bolts, screws and nuts (hexagon and square) (coarse thread, free fit series)

SANS 136 ISO metric precision hexagon-head bolts and screws, and hexagon nuts (coarse thread medium fit series)

SANS 064 Preparation of steel surfaces for coating

SANS 763 Hot-dip (galvanized) zinc coatings

SANS 1091 National colour standards for paint

SANS 1431 Weldable structural steels

SABS 1046, SABS 1376 Lights and retro-reflective devices

SABS 1051, 1447, SANS 20013, SANS 6292 Brakes and braking equipment

SABS 1329 Rear warning sign (chevron)

SANS 1055 Rear underrun protection device

SANS 1496 Wheel flaps

SABS 1447 Pneumatic braking connections

SANS 3779 Vehicle identification number

Vehicle dimensions NRTA Act no.93 of 1996

Data plates Compulsory Vehicle Standards

Item 20: Technical specification for a Mobile lighting tower trailer

1.Scope

The intent of this specification is to provide for a fully operational trailer that can has a self-powered silent diesel generator with a mobile lighting tower with multiple light sets. The trailer and generator will be used to light up remote urban and rural sites where work will be carried out.

2.Trailer

Trailer shall be ergonomically designed with low tare mass, low center of mass and high aerodynamic properties.

The trailer and the customization shall be designed according to these critical specifications (summary of evidence shall be provided):

2.1 Compulsory specification for category O1 and O2 vehicles (caravans and light trailers).

2.2 SANS 20013 Surface vehicles. This specification covers the braking system of motor vehicles and trailers. Maximum design speed exceeding 35km/h intended for use on public roads.

2.3 Overrun anti lock brakes is mandatory.

2.4 At the end Section 7 other specifications/standards are covered that will be adhered to.

3. Material specification

The load bearing items of the trailer shall be constructed out of non-corrosive metallic steel suitable for the application.

4. Construction requirements

4.1 Generator and lights

- 4.1.1 A minimum 6kVA generator. There should be at least one AC outlet as well.
- 4.1.2 The generator's mounting shall be designed to eliminate any vehicle chassis flex being transmitted to the tank. Preferably rubber block type to allow for movement when negotiating rough terrains.
- 4.1.3 There shall be three pairs of adjustable LED waterproof lights mounted on a telescopic mounting system. The lights shall be adjustable in an array to provide focused lighting and/or in a 360 degree view around the trailer. LED lights shall be minimum 300W each.
- 4.1.4 Lights shall be modular type and easily replaceable should the need arise.
- 4.1.5 Generator shall have a fully enclosed sound and waterproof enclosure with adequate ventilation for the self powered engine.
- 4.1.6 Minimum mast height of 8 000 mm.
- 4.1.7 Fuel tank for the generator shall be of adequate capacity for a 6 hour shift of continuous use.
- 4.1.8 All functions must be clearly marked.
- 4.1.9 The system shall be a self powered. Lockable battery unit to be fitted on the chassis. A solar panel should provide charge to the battery when decoupled from the towing vehicle. When coupled and in motion there should be an electric supply that can charge the battery via the towing vehicle or a generator on the trailer's axles.
- 4.1.10 Battery shall be maintenance free high capacity unit.
- 4.1.11 The engine shall be a "famous" brand with adequate suppliers of service and spare parts available.
- 4.1.12 Emergency shut down.
- 4.1.13 Overload cut off.
- 4.1.14 Engine protection device for overheating and low oil pressure.

All items in chapter 4 must be thoroughly sealed with an approved sealer to prevent rusting between mating surfaces and drain holes must be provided in areas where water can accumulate. Any floor that persons will use on the body should be coated with a hard wearing, slip resistant material (Vastrap).

5. Lighting

A LED flood light should be installed in a suitable position illuminating the working area of the trailer to assist using the control panel and coupling the electrical tool or equipment at the ac outlet.

A pair of 3 watt amber LED flashing hazard light modules shall be mounted on each side and at the rear of the trailer. The lights should be protected from damage.

6. Metal Preparation and Painting Procedure

The following procedure must be adhered to:

- 6.1 Descale all metal surfaces
- 6.2 Grind down & smooth all rough edges
- 6.3 Thoroughly clean all surfaces
- 6.4 Prime the trailer using a two component self-curing inorganic zinc ethyl silicate or two component zinc rich polyamide cured epoxy primer.
- 6.5 Thereafter paint using a coat of premium quality twin pack automotive paint.
- 6.6 Paint film thickness must not be less than 80 microns each. Two coats of primer and one colour coat.

7. Colors

Underside of trailer	Black
Trailer	Safety Yellow

8. Electrical and coupling requirements

All additional electrical circuits are to be suitably fused and must not interfere with or adversely affect the existing electrical system.

- 8.1 Taillight units shall be premium quality equal light units incorporating 30 LEDs or more approx. 100 mm in diameter that are screwed into position with a stainless steel flange.
- 8.2 Dual indicator, stop and taillight units to be fitted.
- 8.3 Reversing buzzer and warning light to be installed when reverse gear is engaged.
- 8.4 Uninterrupted power supply points shall be made available for the trailer tracking and fuel master monitoring system.
- 8.5 Electrical connector complying to;
SANS 1327: Electrical connectors for towing and towed vehicles and,
- 8.6 SANS 11446/ ISO 11446: Passenger cars and light commercial vehicles with 12 V systems -3-pole connectors between towing vehicles and trailers - Dimensions and contact allocation
- 8.7 Trailer coupling to comply with SABS 1505, Ball type couplings and towing brackets for towing caravans and light trailers.

9. Signage and Markings

9.1 Data plates shall be fitted for:

- a) The generator and lights indicating capacity, operating voltages and loads, fuel type/grade, and other relevant data.
- b) Safety, operation, technical data, dates of manufacture, manufacturer's details etc.

9.2 Chevron board with rear lights to be fitted and plastic mudguards to the rear wheels both conforming with the appropriate SABS/SANS standard.

9.3 Durable, ultraviolet resistant and weather resistant warning signs shall be provided at all locations of the vehicle that impose a danger to persons.

9.4 Durable, ultraviolet resistant and weather resistant information signs shall be provided in specific locations to assist the driver/maintenance staff with the operation/maintenance of the vehicle.

9.5 Retro-reflective tape shall be fitted to both sides and the rear of the generator as well as the rear bumper.

10. Miscellaneous items

- 10.1 Full size spare wheel to be mounted in a suitable place.
- 10.2 A locking fuel cap and anti-siphon device for the fuel tank.
- 10.3 The battery box is to be lockable (lock to be provided).
- 10.4 A 4.5 kg fire extinguisher should be supplied and fitted in an accessible position.
- 10.5 Wheel arches to have mudflaps.
- 10.6 Automatic jockey wheel and solid landing leg, both rotatable from 0-180 degrees for safe stow away when driving.
- 10.7 Additional stabiliser legs at the rear shall be installed.

COMPULSORY QUESTIONNAIRE FOR ITEMS

Questionnaire forms part of the tender documents and must be completed in its entirety. Where proof is provided the bidder shall clearly mark these as appendices and highlight in the submission the sections that are valid. The bidder shall highlight all technical specifications and aspects that were queried in Section 7 in their catalogue/submission that is being submitted for the tender response. The bidder shall make sure their response is clear and accurate in terms of what is being supplied to avoid any confusion and exclusion of what is required.

Can your company adhere to the following specifications when supplying various tools and equipment?	Yes / No	If Yes, please provide proof. Appendix no. with submission.
<u>Compulsory items:</u> <ul style="list-style-type: none"> • Are you an OEM/Certified agent/Dealer of tools, machines and/or pneumatic/hydraulic equipment? • Are you a third-party supplier? If so have you provided a letter of undertaking from the OEM or agent to honor the warranty period? • Can the relevant documents be provided for Section 6, SCC 10.1 and ACC1 with the equipment? <ul style="list-style-type: none"> ○ Operating manual ○ Spares manual • Has Section 6, SCC 10.1.2 been submitted for the tender? <ul style="list-style-type: none"> ○ A technical product catalogue clearly describing the items and its capabilities. • Can the warranty obligations be met in Section 6, 15.2? (Terms and conditions shall be submitted) • Have the returnable documents from Sections 3 and 4 being provided? 		
<u>Item 1: Various powered garden and forestry maintenance equipment</u> <ul style="list-style-type: none"> • What units are being provided (make and model)? • Have the minimum requirements been met and highlighted in the submitted product catalogue? • Have you taken note of what needs to be supplied for each equipment item? 		
<u>Item 2: Pneumatic drive tools and accessories</u> <ul style="list-style-type: none"> • What units are being provided (make and model)? • Have the minimum requirements been met and highlighted in the submitted product catalogue? 		
<u>Item 3: Electrical tools and equipment</u> <ul style="list-style-type: none"> • What units are being provided (make and model)? • Have the minimum requirements been met and highlighted in the submitted product catalogue? 		

<u>Item 4: Specialised and engine driven equipment</u> <ul style="list-style-type: none"> • What units are being provided (make and model)? • Have the minimum requirements been met and highlighted in the submitted product catalogue? 		
<u>Item 5: Mechanical tools and equipment</u> <ul style="list-style-type: none"> • What units are being provided (make and model)? • Have the minimum requirements been met and highlighted in the submitted product catalogue? 		
<u>Item 6: Ride on Mowers:</u> <ul style="list-style-type: none"> • Unit items • What make and model mowers are being provided (technical catalogue shall be submitted for each of the below bid on)? <ul style="list-style-type: none"> ○ 6.1 2WD mower (1-1.1 m cutting width) ○ 6.2 2WD mower (1.2-1.3 m cutting width) ○ 6.3 2WD mower (1.3-1.6 m cutting width) ○ 6.4 AWD mower (1-1.1 m cutting width) ○ 6.5 AWD mower (1.2-1.3 m cutting width) ○ 6.6 AWD mower (1.3-1.6 m cutting width) ○ 6.7 Heavy duty mower (1.7 m or greater) ○ 6.8 Heavy duty mower (2 m or greater) • Can all other criteria in Section 7, Item 6 be met without any exclusions? • Have you provided a catalogue of compatible attachments for the above mowers? • Have you considered all equipment that is required to couple, use and power the attachments? (indicate if this is included in the main mower or incorporated in the attachment) 		
<u>Item 7 and 8: Golf carts</u> <ul style="list-style-type: none"> • What make and model Golf cart is being provided (technical catalogue shall be submitted)? • Load minimum capacity? (specify amount) • Electric motor capacity? (specify amount) • Speed and range? (specify amount) • Can all other criteria in Section 7, Item 7 and 8 be met without any exclusions? 		
<u>Item 9: Quad Bike</u> <ul style="list-style-type: none"> • What ATV is being provided (technical catalogue shall be submitted)? • Load minimum capacity of 200 kg? (specify amount) 		

<ul style="list-style-type: none"> • Engine minimum capacity of 600 cc? (specify amount) • Is the ATV for beach application with high anti-corrosive construction and protection? (specify details) • Automatic transmission? • AWD/4WD? • Can all other criteria in Section 7, chapter 3 be met without any exclusions? 		
<p><u>Item 10: Electric Quad Bike</u></p> <ul style="list-style-type: none"> • What make and model ATV is being provided (technical catalogue shall be submitted)? • Load minimum capacity? (specify amount) • Electric motor capacity? (specify amount) • Speed and range? (specify amount) • Can all other criteria in Section 7, chapter 3 be met without any exclusions? 		
<p><u>Item 11: Rescue ski with paddles</u></p> <ul style="list-style-type: none"> • What make and model Rescue Ski is being provided (technical catalogue shall be submitted)? • Load minimum capacity? (specify amount) • Lifesaving Rescue application? (supported in product catalogue) • Can the paddles be provided as specified? • Can all other criteria in Section 7, chapter 3 be met without any exclusions? 		
<p><u>Item 12: Inflatable rescue boat with trailer</u></p> <ul style="list-style-type: none"> • What make and model IRB is being provided (technical catalogue shall be submitted)? • Is it for sea rescue application? (Provide proof in catalogue submitted) • Load minimum capacity? (specify amount) • Engine minimum capacity 50HP? (specify amount and technical catalogue shall be submitted) • Can the engine be configured with the options as requested? • In line with SAMSA for sea rescue craft and/or recognised for quality/construction bodies? (please specify) • Can all other criteria in Section 7, chapter 2 be met without any exclusions? (please provide an accessory catalogue for the items) • Is the trailer for beach application with high anti-corrosive construction and protection? (specify details) 		

<ul style="list-style-type: none"> Can the trailer be constructed as requested? 		
<p><u>Item 13: Rescue Jet Ski/Wave runner with trailer</u></p> <ul style="list-style-type: none"> What make and model Jet ski/Wave runner is being provided (technical catalogue shall be submitted)? Is it for sea rescue application? (Provide proof in catalogue submitted) Load minimum capacity of 2-3 persons? (specify amount) Engine minimum capacity of 1250 cc? (specify amount) In line with SAMSA for sea rescue craft and/or recognised for quality/construction bodies? (please specify) Can all other criteria in Section 7, chapter 2 be met without any exclusions? (please provide an accessory catalogue for the items) Is the trailer for beach application with high anti-corrosive construction and protection? (specify details) Can the trailer be constructed as requested? 		
<p><u>Item 14: Rescue Board</u></p> <ul style="list-style-type: none"> What make and model Rescue Board is being provided (technical catalogue shall be submitted)? Load minimum capacity? (specify amount) Lifesaving Rescue application? (supported in product catalogue) 		
<p><u>Item 15: Technical specification for Tractor Attachments (Implements)</u></p> <ul style="list-style-type: none"> Attachments (specify details of each including materials, guards and finishes in a catalogue)? <ul style="list-style-type: none"> 1.1 Rotary grass cutting? 1.2 Dual rotary grass cutting? 1.3 Roller Mower? 1.4 Collection chutes and bags for 1.1-1.3? 1.5 Mowing collector? 1.6 Beach collector? 1.7 Coupling details? 1.8 Road clearance system (crane, flail, power pack)? 1.9 Mouldboard plough? 1.10 Disc Plough? 		

1.11 Hydraulic reversible plough? 1.12 Mouldboard Ridger? 1.13 Ripper? 1.14 Bed former with rotovator? 1.15 Boom sprayer with tank and pump? 1.16 Disc Harrow? 1.17 Planter?		
<u>Item 16.1: Trailer Mounted Woodchipper Unit (250 mm)</u> <ul style="list-style-type: none"> Designed to Compulsory specification for category O1 and O2 vehicles (caravans and light trailers). or better? Meeting requirements in SANS 20013 or better? Overrun anti lock brakes? 		
<u>Woodchipper system:</u> <ul style="list-style-type: none"> What grade steel is used (data sheet to be submitted)? Chipper capacity (recommended 250 mm roller system)? Can criteria in Section 7 Item 16.1, chapter 4, 7, 8 be met without any exclusions? 		
<u>Operating capacity</u> <ul style="list-style-type: none"> Auxiliary engine minimum power rating of 45 kW (specify brand, model and power ratings)? Noise rating (specify dBA ratings of system)? Adjustable discharge chute with guide? Safety deflectors for inlets and outlets? Emergency shut off? Can criteria in Section 7 Item 16.1, chapter 5-6 be met without any exclusions?		
<u>Sub systems and miscellaneous items</u> <p>Can items in section 7 Item 16.1, chapter 8-12 in the technical specification be met without any exclusions?</p>		
<u>Item 16.2: Trailer Mounted Woodchipper Unit (375 mm)</u> <ul style="list-style-type: none"> Designed to Compulsory specification for category O1 and O2 vehicles (caravans and light trailers).or better? Meeting requirements in SANS 20013 or better? 		

<ul style="list-style-type: none"> • Overrun anti lock brakes? 		
<u>Woodchipper system:</u> <ul style="list-style-type: none"> • What grade steel is used (data sheet to be submitted)? • Chipper capacity (recommended 375 mm roller system)? • Can criteria in Section 7 Item 16.2, chapter 4, 7, 8 be met without any exclusions? 		
<u>Operating capacity</u> <ul style="list-style-type: none"> • Auxiliary engine minimum power rating of 85 kW (specify brand, model and power ratings)? • Noise rating (specify dBA ratings of system)? • Adjustable discharge chute with guide? • Safety deflectors for inlets and outlets? • Emergency shut off? <p>Can criteria in Section 7 Item 16.2, chapter 5-6 be met without any exclusions?</p>		
<u>Sub systems and miscellaneous items</u> <p>Can items in section 7 Item 16.2, chapter 8-12 in the technical specification be met without any exclusions?</p>		

<u>Item 17: Multi-purpose recreational vehicle trailer</u>		
<u>Trailer items</u> <ul style="list-style-type: none"> • Designed to standards as mentioned in Item 17 chapter 2? • Meets all of NRTA requirements for homologation? • Overrun anti lock brakes? • What material is used for the trailer chassis? 		
<u>Trailer capacity:</u> <ul style="list-style-type: none"> • Trailer payload capacity (recommended 1 500 kg)? • Trailer dimensions of deck/loading area? • What vehicles can be held on the deck for transport? <ul style="list-style-type: none"> ○ Ride on mower ○ Quad bike ○ Golf cart ○ Can it hold two motorbikes with guides at the front and rear? • Robust locking system for deck/wheels? • Low angle full width ramp with extensions? 		

<ul style="list-style-type: none"> Can criteria in Section 7 Item 17, chapter 4 be met without any exclusions? 		
<u>Sub systems and miscellaneous items</u> <ul style="list-style-type: none"> Can items in section 7 Item 17, chapter 6,7,8 and 9 in the technical specification be met without any exclusions? 		

<u>Item 18: Printing and vinyl cutting machine with accessories</u> <ul style="list-style-type: none"> What make and model machine is being provided (technical catalogue shall be submitted)? Does the machine suit the application? (vehicle branding decals) Can you supply the item as requested in the specification? Have you quoted on the options? 		
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<u>Item 19: Generator trailer</u>		
<u>Vehicle items</u> <ul style="list-style-type: none"> Designed to Compulsory specification for category O1 and O2 vehicles (caravans and light trailers).or better? Meeting requirements in SANS 20013 or better? Overrun anti lock brakes? 		
<u>Systems:</u> <ul style="list-style-type: none"> What grade steel is used (data sheet to be submitted)? Generator capacity (data sheet to be submitted)? Noise rating (specify dBA ratings of system)? Engine make and model? (specify details) Can criteria in Section 7 Item 13, chapter 4 and 5 be met without any exclusions? 		
<u>Sub systems and miscellaneous items</u> <ul style="list-style-type: none"> Can items in section 7 Item 13, chapter 7-10 in the technical specification be met without any exclusions? 		

<u>Item 19.1: 2WD Tractor</u>		
<u>Vehicle items</u> <ul style="list-style-type: none"> What make and model vehicle is being provided (technical catalogue shall be submitted)? GVM of 2200-3000 kg (specify amount)? 		

<ul style="list-style-type: none"> • Engine minimum power and torque requirements of 50kW and 180Nm (specify amount)? • Transmission type and gear capabilities? • Can all other criteria in Item 19.1, Section 7, chapter 2 be met without any exclusions? • Enclosed driver cab option? 		
<u>Operating capacity</u> <ul style="list-style-type: none"> • What structural steel is used (Corten or Domex recommended)? • Safety access ladders, walkways (lined with non-slip material) with safety railings? • Can Section 7, chapters 4 and 5 be met without any exclusions? 		
<u>Specifications and standards</u> Are supplied products and system/s in accordance and recognized by the relevant SABS/SANS specification/standard?		

<u>Item 19.2: 4WD Tractor</u>		
<u>Vehicle items</u> <ul style="list-style-type: none"> • What make and model vehicle is being provided (technical catalogue shall be submitted)? • GVM of 2200-3000 kg (specify amount)? • Engine minimum power and torque requirements of 50kW and 180Nm (specify amount)? • Transmission type and gear capabilities? • Can all other criteria in Item 19.2, Section 7, chapter 2 be met without any exclusions? 		
<u>Operating capacity</u> <ul style="list-style-type: none"> • What structural steel is used (Corten or Domex recommended)? • Safety access ladders, walkways (lined with non-slip material) with safety railings? • Can Section 7, chapters 4 and 5 be met without any exclusions? 		
<u>Specifications and standards</u> Are supplied products and system/s in accordance and recognized by the relevant SABS/SANS specification/standard?		

<u>Item 19.3: Electric AWD Tractor</u>		
<u>Vehicle items</u> <ul style="list-style-type: none"> What make and model vehicle is being provided (technical catalogue shall be submitted)? GVM of 2200-3000 kg (specify amount)? AWD power of 40kW and 25kWh battery rating (specify amount)? Transmission type and gear capabilities? Can all other criteria in Item 19.3, Section 7, chapter 2 be met without any exclusions? 		
<u>Operating capacity</u> <ul style="list-style-type: none"> What structural steel is used (Corten or Domex recommended)? Safety access ladders, walkways (lined with non-slip material) with safety railings? Can Section 7, chapters 4 and 5 be met without any exclusions? 		
<u>Specifications and standards</u> Are supplied products and system/s in accordance and recognized by the relevant SABS/SANS specification/standard?		

<u>Item 20: Mobile lighting tower trailer</u>		
<u>Vehicle items</u> <ul style="list-style-type: none"> Designed to Compulsory specification for category O1 and O2 vehicles (caravans and light trailers).or better? Meeting requirements in SANS 20013 or better? Overrun anti lock brakes? 		
<u>Systems:</u> <ul style="list-style-type: none"> What grade steel is used (data sheet to be submitted)? Generator capacity (data sheet to be submitted)? LED Light capacity (data sheet to be submitted)? Mast height (recommended 8 000 mm)? How is the mast raised and lowered? Noise rating (specify dBA ratings of system)? Engine make and model? (specify details) Can criteria in Section 7 Item 14, chapter 4 and 5 be met without any exclusions? 		
<u>Sub systems and miscellaneous items</u> <ul style="list-style-type: none"> Can items in section 7 Item 14, chapter 7-10 in the technical specification be met without any exclusions? 		

SECTION 8: BILL OF QUANTITIES / SCHEDULE OF ACTIVITIES

Bidders shall provide pricing as below;

Description of Items	Total for item (Excl. VAT)	Total for item (Incl. VAT @ 15%)	Make and Model/Description of Item
Item 1			
1.1 Brush cutters (Minimum 38cc)			
1.2 Brush cutters (Minimum 40cc)			
1.3 Brush cutters (Li-Ion battery cordless)			
1.4 Brush cutter accessories			
1.4.1 Cutting blade/knife for Brush cutter in Item 1.1			
1.4.2 Cutting blade/knife for Brush cutter in Item 1.2			
1.4.3 Cutting blade/knife for Brush cutter in Item 1.3			
1.4.4 Service kit for Brush cutter in Item 1.1			
1.4.5 Service kit for Brush cutter in Item 1.2			
1.4.6 Battery for Brush cutter in Item 1.3			
1.4.7 Charger for Brush cutter in Item 1.3			
1.4.8 Tool kit for servicing of Brush cutter.			
1.4.9 Wire brush head for brush cutter in Item 1.1			
1.4.10 Wire brush head for brush cutter in Item 1.2			
1.5 Clearing Saw (Minimum 42cc)			
1.6 Clearing Saw (Minimum 55cc)			
1.7 Clearing Saw accessories			
1.7.1 Cutting blade for Clearing saw in Item 1.5			

1.7.2 Cutting blade for Clearing saw in Item 1.6			
1.7.3 Service kit for Clearing saw in Item 1.5			
1.7.4 Service kit for Clearing saw in Item 1.6			
1.7.5 Tool kit for servicing of Clearing saw.			
1.7.6 Wire brush head for brush cutter in Item 1.5			
1.7.7 Wire brush head for brush cutter in Item 1.6			
1.8 Chain Saw (Minimum 55cc)			
1.8.1 Extended bar and matching chain for Item 1.8			
1.9 Chain Saw (Minimum 70cc)			
1.9.1 Extended bar and matching chain for Item 1.9			
1.10 Chain Saw (Li-Ion battery cordless)			
1.11 Chain Saw accessories			
1.11.1 Bar for Chain saw in Item 1.8			
1.11.2 Bar for Chain saw in Item 1.9			
1.11.3 Bar for Chain saw in Item 1.10			
1.11.4 Chain for Chain saw in Item 1.8			
1.11.5 Chain for Chain saw in Item 1.9			
1.11.6 Chain for Chain saw in Item 1.10			
1.11.7 Service kit for Chain saw in Item 1.8			
1.11.8 Service kit for Chain saw in Item 1.9			
1.11.9 Battery for Chain saw in Item 1.10			
1.11.10 Charger for Chain saw in Item 1.10			
1.11.11 Tool kit for servicing of Chain saw.			

1.10 Pole Pruner (Minimum 25cc)			
1.11 Pole Pruner (Minimum 35cc)			
1.12 Pole Pruner accessories			
1.12.1 Bar for Pole pruner in Item 1.10			
1.12.2 Bar for Pole pruner in Item 1.11			
1.12.3 Chain for Pole pruner in Item 1.10			
1.12.4 Chain for Pole pruner in Item 1.11			
1.12.5 Service kit for Pole pruner in Item 1.10			
1.12.6 Service kit for Pole pruner in Item 1.11			
1.12.7 Tool kit for servicing of Pole pruner.			
1.13 Garden Blower (Minimum 25cc)			
1.14 Garden Blower (Minimum 27cc)			
1.15 Garden Blower (Li-Ion battery cordless)			
1.16 Garden Blower accessories			
1.16.1 Garden blower nozzle in Item 1.13			
1.16.2 Garden blower nozzle in Item 1.14			
1.16.3 Garden blower nozzle in Item 1.15			
1.16.4 Service kit for Garden blower in Item 1.13			
1.16.5 Service kit for Garden blower in Item 1.14			
1.16.6 Service kit for Garden blower in Item 1.15			
1.16.7 Battery for Garden blower in Item 1.15			
1.16.8 Charger for Garden blower in Item 1.15			
1.16.9 Tool kit for servicing of Garden blower.			

1.17 Hedge trimmer (Minimum 20cc)			
1.18 Hedge trimmer (Minimum 22cc)			
1.19 Hedge trimmer (Li-Ion battery cordless)			
1.20 Long Reach Hedge trimmer (Minimum 22cc)			
1.21 Long Reach Hedge trimmer (Li-Ion battery cordless)			
1.22 Hedge trimmer accessories			
1.22.1 Hedge trimmer blade in Item 1.17			
1.22.2 Hedge trimmer blade in Item 1.18			
1.22.3 Hedge trimmer blade in Item 1.19			
1.22.4 Hedge trimmer blade in Item 1.20			
1.22.5 Hedge trimmer blade in Item 1.21			
1.22.6 Service kit for Hedge trimmer in Item 1.17			
1.22.7 Service kit for Hedge trimmer in Item 1.18			
1.22.8 Service kit for Hedge trimmer in Item 1.19			
1.22.9 Service kit for Hedge trimmer in Item 1.20			
1.22.10 Service kit for Hedge trimmer in Item 1.21			
1.22.11 Battery for Hedge trimmer in Item 1.19			
1.22.12 Charger for Hedge trimmer in Item 1.19			
1.22.13 Battery for Hedge trimmer in Item 1.21			
1.22.14 Charger for Hedge trimmer in Item 1.21			
1.22.15 Tool kit for servicing of Hedge trimmer.			
1.23 Personal Protective equipment			

Item 2			
2.1 1" Drive Impact wrench			
2.2 1" Drive Impact wrench with extension and kit			
2.3 3/4" Drive Impact wrench			
2.4 3/4" Drive Impact wrench with extension and kit			
2.5 1/2" Drive Impact wrench			
2.6 1/2" Drive Impact wrench with extension and kit			
2.7 Pneumatic Nut Runner/Adjustable torque wrench			
2.8 Air-Hydraulic Jack			
2.9 Low speed Tyre Buffer			
2.10 Pneumatic Drill			
2.11 Pneumatic Orbital Sander			
2.12 Pneumatic Polisher			
2.13 Pneumatic angle grinder			
2.14 Pneumatic vertical grinder			
2.15 Pneumatic die grinder			
2.16 Gravity Feed Spray Gun			
2.17 Rubberizing gun			
2.18 Paraffin gun			
2.19 Pneumatic 200-250 litre oil dispenser			
2.20 Tyre inflator with analogue gauge			
2.21 Pneumatic Grease Gun			

2.22 Manual grease pump trolley			
2.23 Waste oil-suction drainer			
Item 3			
3.1 230 mm angle grinder			
3.2 115 mm angle grinder			
3.3 25m Reel Electrical Extension Cord – Single phase			
3.4 25m Reel Electrical Extension Cord – Three phase			
3.5 Electrical drilling machine			
3.6 Magnetic base core drill			
3.7 355 mm Steel cut off saw			
3.8 Plasma Cutter			
3.9 Videoscope/Borescope inspection camera			
3.10 Battery tester with print out			
3.11 Battery charger			
3.12 Multi-meter			
3.13 Cordless power tool kit			
3.14 MIG Welding Machine			
3.15 Electrical tapping machine			
3.16 Submersible Pump			
3.17 Work lights			
3.18 Electric compressor			
3.19 Booster pack			
3.20 Electric engraver			

3.21 High pressure cleaner			
3.22 High pressure steam cleaner			
3.23 Bench grinder			
3.24 Floor polishing machine (walk behind type)			
3.25 Powered Broom (walk behind type)			
3.26 Wheel transfer line marker			
3.27 Laminating machine			
3.28 Manual Line marker (Aerosol type)			
3.29 Manual Line marker (Pump spray type)			
Item 4			
4.1 Generator			
4.2 Generator (Heavy duty)			
4.3 Generator Pump			
4.4 Generator Welder			
4.5 Engine driven high pressure cleaner			
4.6 Engine driven compressor			
4.7 Engine driven compressor (heavy duty)			
4.8 Fuel bowser (self powered)			
4.9 Drill press			
4.10 Industrial workshop fans			
4.11A Demolition breaker/Jackhammer (electrical)			
4.11B Demolition breaker/Jackhammer (engine powered)			

4.11C Demolition breaker/Jackhammer (pneumatic)			
4.12 Compacting Roller (engine powered walk behind type)			
4.13 Lawnmower (engine driven walk behind type)			
4.14 Two speed Lawnmower (engine driven walk behind type)			
4.15 Heavy duty Lawnmower (engine driven walk behind type)			
4.16 Cylinder Lawnmower (engine driven walk behind type)			
4.17 Generator Pump (Heavy Duty)			
4.17 Lawnmower accessories			
4.17.1 Lawnmower blade for Item 4.13			
4.17.2 Lawnmower service kit for Item 4.13			
4.17.3 Lawnmower blade for Item 4.14			
4.17.4 Lawnmower service kit for Item 4.14			
4.17.5 Lawnmower blade for Item 4.15			
4.17.6 Lawnmower service kit for Item 4.15			
4.17.7 Lawnmower blade for Item 4.16			
4.17.8 Lawnmower service kit for Item 4.16			
4.17.9 Tool kit for servicing of Lawnmower.			
4.18 Tiller (Cultivator)			
Item 5			
5.1 Mechanics toolkit			
5.2 Auto electrician's toolkit			
5.3 Welders toolkit			

5.4 Spray-painters toolkit			
5.5 Hand riveter			
5.6 Tong/Scissor type riveter			
5.7 Long armed riveter			
5.8 Air jack			
5.9 Electricians test kit			
5.10 Torque wrench			
5.11 Pool Cleaner (Creepy Crawly type)			

<u>Item 6.1: 2WD Ride on Mower (1-1.1m cutting width)</u>	Price per item (Excl. VAT)	Make and Model
Main unit		
Accessories (lights, fire extinguisher, solar panel, etc.)		
Spare wheel		
Delivery and commissioning		
Item 6.1: Total		
Spare/replacement blade for lawnmower		
Set of wheels for lawnmower		
Attachments;		
6.1.1 Collector		
6.1.2 Combi Cutting deck		
6.1.3 Edge/Side trimmer		
6.1.4 Broom		
6.1.5 Flail Mower		

6.1.6 Gravel Harrow		
6.1.7 Rake		

<u>Item 6.2: 2WD Ride on Mower (1.2-1.3m cutting width)</u>	Price per item (Excl. VAT)	Make and Model
Main unit		
Accessories (lights, fire extinguisher, solar panel, etc.)		
Spare wheel		
Delivery and commissioning		
Item 6.2: Total		
Spare/replacement blade for lawnmower		
Set of wheels for lawnmower		
Attachments;		
6.2.1 Collector		
6.2.2 Combi Cutting deck		
6.2.3 Edge/Side trimmer		
6.2.4 Broom		
6.2.5 Flail Mower		
6.2.6 Gravel Harrow		
6.2.7 Rake		

<u>Item 6.3: 2WD Ride on Mower (1.3-1.6m cutting width)</u>	Price per item (Excl. VAT)	Make and Model
Main unit		
Accessories (lights, fire extinguisher, solar panel, etc.)		
Spare wheel		
Delivery and commissioning		

Item 6.3: Total		
Spare/replacement blade for lawnmower		
Set of wheels for lawnmower		
Attachments;		
6.3.1 Collector		
6.3.2 Combi Cutting deck		
6.3.3 Edge/Side trimmer		
6.3.4 Broom		
6.3.5 Flail Mower		
6.3.6 Gravel Harrow		
6.3.7 Rake		

Item 6.4: AWD Ride on Mower (1-1.1m cutting width)	Price per item (Excl. VAT)	Make and Model
Main unit		
Accessories (lights, fire extinguisher, solar panel, etc.)		
Spare wheel		
Delivery and commissioning		
Item 6.4: Total		
Spare/replacement blade for lawnmower		
Set of wheels for lawnmower		
Attachments;		
6.4.1 Collector		
6.4.2 Combi Cutting deck		
6.4.3 Edge/Side trimmer		

6.4.4 Broom		
6.4.5 Flail Mower		
6.4.6 Gravel Harrow		
6.4.7 Rake		

<u>Item 6.5: AWD Ride on Mower (1.2-1.3m cutting width)</u>	Price per item (Excl. VAT)	Make and Model
Main unit		
Accessories (lights, fire extinguisher, solar panel, etc.)		
Spare wheel		
Delivery and commissioning		
Item 6.5: Total		
Spare/replacement blade for lawnmower		
Set of wheels for lawnmower		
Attachments;		
6.5.1 Collector		
6.5.2 Combi Cutting deck		
6.5.3 Edge/Side trimmer		
6.5.4 Broom		
6.5.5 Flail Mower		
6.5.6 Gravel Harrow		
6.5.7 Rake		

Item 6.6: AWD Ride on Mower (1.3-1.6m cutting width)	Price per item (Excl. VAT)	Make and Model
Main unit		
Accessories (lights, fire extinguisher, solar panel, etc.)		
Spare wheel		
Delivery and commissioning		
Item 6.6: Total		
Spare/replacement blade for lawnmower		
Set of wheels for lawnmower		
Attachments;		
6.6.1 Collector		
6.6.2 Combi Cutting deck		
6.6.3 Edge/Side trimmer		
6.6.4 Broom		
6.6.5 Flail Mower		
6.6.6 Gravel Harrow		
6.6.7 Rake		

Item 6.7: Heavy duty mower (1.7m cutting width or greater)	Price per item (Excl. VAT)	Make and Model
Main unit		
Accessories (lights, fire extinguisher, solar panel, etc.)		
Spare wheel		
Delivery and commissioning		
Item 6.7: Total		
Spare/replacement blade for lawnmower		

Set of wheels for lawnmower		
Attachments;		
6.7.1 Collector		
6.7.2 Combi Cutting deck		
6.7.3 Edge/Side trimmer		
6.7.4 Broom		
6.7.5 Flail Mower		
6.7.6 Gravel Harrow		
6.7.7 Rake		

<u>Item 6.8: Heavy duty mower (2m cutting width or greater)</u>	Price per item (Excl. VAT)	Make and Model
Main unit		
Accessories (lights, fire extinguisher, solar panel, etc.)		
Spare wheel		
Delivery and commissioning		
Item 6.8: Total		
Spare/replacement blade for lawnmower		
Set of wheels for lawnmower		
Attachments;		
6.8.1 Collector		
6.8.2 Combi Cutting deck		
6.8.3 Edge/Side trimmer		
6.8.4 Broom		
6.8.5 Flail Mower		

6.8.6 Gravel Harrow		
6.8.7 Rake		

<u>Item 7: 4 Seater Golf Cart</u>	Price per item (Excl. VAT)	Make and Model
Main unit with batteries and charger		
Accessories (lights, fire extinguisher, solar panel, charge socket etc.)		
Spare wheel		
Delivery and commissioning		
Item 7: Total		

<u>Item 8: 6 Seater Golf Cart</u>	Price per item (Excl. VAT)	Make and Model
Main unit with batteries and charger		
Accessories (lights, fire extinguisher, solar panel, charge socket etc.)		
Spare wheel		
Delivery and commissioning		
Item 8: Total		

<u>Item 9: Quad Bike</u>	Price per item (Excl. VAT)	Make and Model
Main unit		
Accessories (lights, fire extinguisher, solar panel, jump start receptacle, charge socket etc.)		
Spare wheel		
Delivery and commissioning		
Item 9: Total		
Set of wheels (tyres and rims) for all terrain application		

Trailer for quad bike		
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<u>Item 10: Electric Quad Bike</u>	Price per item (Excl. VAT)	Make and Model
Main unit with batteries and charger		
Accessories (lights, fire extinguisher, solar panel, charge socket etc.)		
Spare wheel		
Delivery and commissioning		
Item 10: Total		
Set of wheels (tyres and rims) for all terrain application		

<u>Item 11: Rescue Ski with paddles</u>	Price per item (Excl. VAT)	Make and Model
Rescue ski		
Accessories (protective/wear pads, first aid kit, life jackets, repair kit etc.)		
Paddles <ul style="list-style-type: none"> • Standard • Performance 		
Delivery and commissioning		
Item 11: Total		

<u>Item 12: Inflatable rescue boat with trailer</u>	Price per item (Excl. VAT)	Make and Model
IRB		
Outboard motor		
Accessories (buoyancy aid, first aid kit, speakers and microphone, solar panel, lights, PFDs etc.)		
Delivery and commissioning (please include any registration fees that maybe required for SAMSA)		
Item 12: Total		
Trailer with delivery, licensing and homologation		

<u>Item 13: Rescue jet ski/wave runner with trailer</u>	Price per item (Excl. VAT)	Make and Model
Jet Ski/Wave runner main unit		
Rescue sleds <ul style="list-style-type: none"> • Rigid • Inflatable with pumps (12v and hand operated) 		
Accessories (buoyancy aid, first aid kit, speakers and microphone, solar panel, jump start receptacle, strobe light, tow rope etc.)		
Delivery and commissioning (please include any registration fees that maybe required for SAMSA)		
Item 13: Total		
Trailer with delivery, licensing and homologation		

<u>Item 14: Rescue Board</u>	Price per item (Excl. VAT)	Make and Model
Rescue Board		
Accessories (protective/wear pads, first aid kit, life jackets, repair kit etc.)		
Delivery and commissioning		
Item 14: Total		

<u>Item 15: Tractor Attachments</u>	Price per item (Excl. VAT)	Make and Model
Attachments:		
1.1 Rotary grass cutting		
1.2 Dual rotary grass cutting		
1.3 Roller mower		
1.4 Collection chutes and bags for 1.1-1.3		
1.5 Mowing collector		
1.6 Beach collector		
1.7 Coupling components		

1.8.1 Road clearance system with grass cutting flail;		
1.8.1.1 Flail, 5m crane and power pack		
1.8.1.2 Flail, 7m crane and power pack		
1.8.1.3 Flail, 10m crane and power pack		
1.8.2 Road clearance system with uneven/rural terrain flail;		
1.8.2.1 Flail, 5m crane and power pack		
1.8.2.2 Flail, 7m crane and power pack		
1.8.2.3 Flail, 10m crane and power pack		
1.8.3 Road clearance system with general purpose highway flail;		
1.8.3.1 Flail, 5m crane and power pack		
1.8.3.2 Flail, 7m crane and power pack		
1.8.3.3 Flail, 10m crane and power pack		
1.8.4 Road clearance aerial mounted camera and monitor for driver's cab		
1.9.1 Mouldboard Plough (3 furrow)		
1.9.2 Mouldboard Plough (4 furrow)		
1.9.3 Mouldboard Plough (5 furrow)		
1.9.4 Wear Plate for plough board (per/each furrow)		
1.10.1 Disc Plough (3 disc)		

1.10.2 Disc Plough (4 disc)		
1.10.3 Disc Plough (5 disc)		
1.10.4 High tensile steel disc option (per/each disc)		
1.11.1 Hydraulic reversible plough (3 furrow)		
1.11.2 Hydraulic reversible plough (4 furrow)		
1.11.3 Hydraulic reversible plough (5 furrow)		
1.11.4 Wear Plate for plough (per/each furrow)		
1.12.1 Mouldboard Ridger (3 ridger)		
1.12.2 Mouldboard Ridger (4 ridger)		
1.12.3 Mouldboard Ridger (5 ridger)		
1.12.4 Wear Plate for furrow board (per/each furrow)		
1.13.1 Ripper (3 tine)		
1.13.2 Ripper with crumbler (3 tine)		
1.13.3 Ripper (4 tine)		
1.13.4 Ripper with crumbler (4 tine)		
1.13.5 Ripper (5 tine)		
1.13.6 Ripper with crumbler (5 tine)		
1.13.7 High tensile steel tine option (per/each tine)		
1.14.1 Bed former with rotovator		

1.14.2 Option of a 3 furrow cultivator for Item 1.14.1		
1.15.1 6-8 meter boom sprayer with tank and pump		
1.15.2 10-12 meter boom sprayer with tank and pump		
1.16.1 Disc Harrow (minimum 22 disc and 2.5m width)		
1.16.2 Disc Harrow (minimum 28 disc and 3m width)		
1.16.3 High tensile steel disc option (per/each disc)		
1.17.1 Two Row planter		
1.17.2 Three Row planter		
1.17.3 Four Row planter		

<u>Item 16.1: Trailer Mounted Woodchipper Unit (250 mm)</u>	Price per item (Excl. VAT)	Make and Model
Trailer (structural chassis, brakes, jockey wheel etc.)		
Body customization (woodchipper)		
Auxiliary Engine		
Hydraulic system		
Hydraulic lift and crush		
Electrical systems (lights, solar panel etc.)		
All relevant miscellaneous items, consumables and hydraulic oil.		
Training		
Delivery, licensing, homologation and commissioning.		
Item 16.1 Total (Excl. VAT) to tender form		

Item 16.2: Trailer Mounted Woodchipper Unit (375 mm)	Price per item (Excl. VAT)	Make and Model
Trailer (structural chassis, brakes, jockey wheel etc.)		
Body customization (woodchipper)		
Auxiliary Engine		
Hydraulic system		
Hydraulic lift and crush		
Electrical systems (lights, solar panel etc.)		
All relevant miscellaneous items, consumables and hydraulic oil.		
Training		
Delivery, licensing, homologation and commissioning.		
Item 16.2 Total (Excl. VAT) to tender form		

Item 17: Multi-purpose recreational vehicle trailer	Price per item (Excl. VAT)	Make and Model
Trailer (structural chassis, brakes, jockey wheel, rear ramp etc.)		
Trailer storage and accessories (nose cone, extensions for ramp etc.)		
Electrical items (lights)		
All relevant miscellaneous items and consumables.		
Delivery, licensing, homologation and commissioning.		
Item 17 Total (Excl. VAT) to tender form		

<u>Item 18: Printing and vinyl cutting machine</u>	Price per item (Excl. VAT)	Make and Model
Printer and vinyl cutting machine with full set of inks and cleaning fluid/kit, vinyl cutting blade, hardware, software with delivery, installation and training.		
Spare set of complete ink cartridges		
Automated take up system for the printer and vinyl cutting machine		
Heater and Blower for the printer and vinyl cutting machine		
Item 18 Total (Excl. VAT) to tender form		

<u>Item 19: Generator trailer</u>	Price per item (Excl. VAT)	Make and Model
Trailer (structural chassis, brakes, jockey wheel etc.)		
Generator		
Electrical systems (lights, control systems etc.)		
All relevant miscellaneous items, consumables and hydraulic oil.		
Training		
Delivery, licensing, homologation and commissioning.		
Total Item 19 (Excl. VAT) to tender form		

<u>Item 19.1.1: 2WD Tractor with driver's canopy</u>	Price per item (Excl. VAT)	Make and Model
Vehicle		
Electrical systems		
All relevant miscellaneous items and consumables.		
Delivery, licensing, homologation and commissioning.		
Item 19.1.1 A: Complete vehicle (Euro 3) with customisation		
Item 19.1.1 B: Complete vehicle (Euro 4) with customisation		
Item 19.1.1 C: Complete vehicle (Euro 5) with customisation		

Set of sensitive terrain wheels (rims and tyres) for stadiums and sports grounds application		
Set of wheels (rims and tyres) for beach application		

Item 19.1.2: 2WD Tractor with fully enclosed driver's cab	Price per item (Excl. VAT)	Make and Model
Vehicle		
Electrical systems		
All relevant miscellaneous items and consumables.		
Delivery, licensing, homologation and commissioning.		
Item 19.1.2 A: Complete vehicle (Euro 3) with customisation		
Item 19.1.2 B: Complete vehicle (Euro 4) with customisation		
Item 19.1.2 C: Complete vehicle (Euro 5) with customisation		
Set of sensitive terrain wheels (rims and tyres) for stadiums and sports grounds application		
Set of wheels (rims and tyres) for beach application		

Item 19.2: 4WD Tractor	Price per item (Excl. VAT)	Make and Model
Vehicle		
Electrical systems		
All relevant miscellaneous items and consumables.		
Delivery, licensing, homologation and commissioning.		
Item 19.2 A: Complete vehicle (Euro 3) with customisation		
Item 19.2 B: Complete vehicle (Euro 4) with customisation		
Item 19.2 C: Complete vehicle (Euro 5) with customisation		
Set of sensitive terrain wheels (rims and tyres) for stadiums and sports grounds application		
Set of wheels (rims and tyres) for beach application		

<u>Item 19.3: Electric AWD Tractor</u>	Price per item (Excl. VAT)	Make and Model
Vehicle		
Electrical systems		
All relevant miscellaneous items and consumables.		
Delivery, licensing, homologation and commissioning.		
Item 19.3: Complete vehicle with customisation		
Set of sensitive terrain wheels (rims and tyres) for stadiums and sports grounds application		
Set of wheels (rims and tyres) for beach application		

<u>Item 20: Mobile lighting tower trailer</u>	Price per item (Excl. VAT)	Make and Model
Trailer (structural chassis, brakes, jockey wheel etc.)		
Generator		
Lights		
Electrical systems and lights for the trailer		
All relevant miscellaneous items, consumables and hydraulic oil.		
Training		
Delivery, licensing, homologation and commissioning.		
Total Item 20 (Excl. VAT) to tender form		

SECTION 9 : OFFICIAL TENDER FORM

Part A: OFFER BY TENDERER - In response to **Tender Number : 1J-24952** I / we hereby offer to supply the goods / services detailed hereunder in accordance with the Technical Specification, and subject to the Standard and Special Conditions of Tender (Goods/Services), and General and Special Conditions of Contract, which accompanied your Tender (with which I / we acknowledge myself / ourselves to be fully acquainted) at the price stated below, or in the case of individual rates are indicated in Section 8 : Bill Of Quantities / Schedule of Rates / Activities.

I / We hereby agree that this tender will hold good and remain open for acceptance as specified in the **Conditions of Tender** or during such other period as may be specified in the Special Conditions of Tender.

eThekwini Vendor Portal Registration Number: **PR**

C.S.D Registration Number: **MAAA**

S.A.R.S Pin Number: _____

Completion of the following is compulsory. Failure to declare the following will invalidate your offer.

Declaration of Interest

Are any of the entity's directors, managers, principle shareholder or stakeholders currently in the service of the state or have been in the service of the state in the past twelve (12) months?					<input type="checkbox"/> Yes	<input type="checkbox"/> No
Is any spouse, child or parent of the entity's directors, managers, principle shareholder or stakeholder currently in the service of the state or have been in the service of the state in the past twelve (12) months?					<input type="checkbox"/> Yes	<input type="checkbox"/> No
Name of entity's member	Position in Entity	Name of Relative (if applicable)	Name of State Institution	Nature of Relationship		
Do you or any other directors, managers, principle shareholder or stakeholder of your entity have any relationship (spouse, family, friend, associate) with persons in the service of the state and/or who may be involved with the evaluation of this quotation? If yes please furnish particulars below					<input type="checkbox"/> Yes	<input type="checkbox"/> No
Name of entity's member	Position in Entity	Name of Relative (if applicable)	Name of State Institution	Nature of Relationship		

Refer to the Consolidated MBD Documents in Section 4(d) for the definition of "in service of the State"

* Signature :	_____	* Name (capitals):	_____
Date:	_____	Capacity:	_____
* Name of Business:	_____	Tel:	_____
Address:	_____	Fax:	_____
	_____		_____

*** Denotes Mandatory Information**

Failure to complete the Mandatory Information and sign this Tender Form will invalidate the tender

Part B: ACCEPTANCE BY PURCHASER - The Purchaser, as represented by the following Official, hereby accepts the Tenderer's offer in terms of the Conditions of Tender, Specifications, and Conditions of Contract.

Signature: _____ **Name (capitals):** _____

Date: _____ **Capacity:** _____

SECTION 10: ANNEXURES (if applicable)

Insert as required