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|  | Invitation to Tender/ Request for Proposal (RFP) | Document Identifier | 240-114238630 | Rev | 11 | |
| | | Effective Date | 18 February 2022 | | | |
| | | Review Date | February 2027 | | | |

ESKOM HOLDINGS SOC LTD

INVITATION TO TENDER

FOR

**THE SUPPLY AND DELIVERY OF A FIREFIGHTING VEHICLE FOR KOEBERG
NUCLEAR POWER**

| | |
|--|--|
| Tender number | WCKBG1043KH |
| Issue date | 12 August 2022 |
| Closing date and time | 16 August 2022 at 10h00 |
| Tender validity period | 120 days from the closing date and time |
| Clarification meeting | A voluntary clarification meeting will be held at a date and time to be determined after the tender issue. |
| Tenders are to be delivered to the following address on the stipulated closing date and time: | ESKOM HOLDINGS SOC Ltd ATT Tender Centre Block "E" Stores Building Brackenfell Complex Eskom Road Brackenfell 7560 Western Cape, South Africa |

NB: National Treasury request suppliers to register on the Central Supplier Database.
<http://ocpo.treasury.gov.za>

**NOTE TO TENDERERS: PLEASE KEEP CHECKING THE TENDER BULLETIN
FOR ANY POSSIBLE ADDENDUMS TO THIS TENDER**

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Invitation to Tender/Request for Proposal

Eskom Holdings SOC Ltd (hereinafter “Eskom”) invites you to submit a *tender* for the supply and delivery of a firefighting vehicle for Koeberg Nuclear Power.

The enquiry documents are supplied to you on the following basis:

- Free of charge

Eskom has delegated the responsibility for this tender to the Eskom *Representative* whose name and contact details are set out in the Tender Data. A submission of a tender/proposal by you in response to this *Invitation* will be deemed as your acceptance of the Eskom Standard Conditions of Tender (to be accessed via www.eskom.co.za).

Queries relating to these Invitation documents may be addressed to the Eskom *Representative*.

Yours faithfully



Procurement Manager

Ms. E - Capes: Senior Advisor Procurement

Date: 2022.07.12

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The following documents listed hereunder are attached to this enquiry.

| Number | Description | Annexure/to be downloaded and attached | Attached (Y/N/ N/A) |
|--------|---|--|---------------------|
| 6.1 | *Acknowledgement form | Annexure A | Y |
| 6.2 | *Tenderer's particulars | Annexure B | Y |
| 6.3 | *Integrity Declaration Form (refer to www.eskom.co.za for the Supplier Integrity Pact that suppliers are required to download and read) | Annexure C | Y |
| 6.4 | CPA Requirements for Local Goods/Services | Annexure D | N |
| 6.5 | CPA(IG) for Foreign Goods/Services (if applicable) | Annexure E | N |
| 6.6 | SBD 6.2- Declaration Certificate for Local Production and Local Content (only applicable if designated materials are included). Annexure C-Local Content Declaration-Summary Schedule Annexure D-Imported Content Declaration – Supporting Schedule to Annexure C Annexure E-Local Content Declaration-Supporting Schedule to Annexure C | Annexure F1 Annexure F2 Annexure F3 Annexure F4 | Y |
| 6.7 | SBD 1 -Invitation to Bid must be filled out by all tenderers and submitted with the tender at tender submission deadline | Annexure G | Y |
| 6.8 | SBD 6.1- Preference Points Claim Form in terms of PPPFA 2017 regulations | Annexure H | Y |
| 6.9 | Tax Evaluation questionnaire to determine whether a company, close corporation (CC) or Trust is a personal service provider for purposes of PAYE | | N |
| 6.10 | Supplier Development & Localisation (SDL&I) Undertaking | Annexure I | Y |
| 6.11 | Reverse e-auction training acknowledgement form (if applicable) | | N |
| 6.12 | Reverse e-auction process (if applicable) | | N |

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| 6.13 | Standard Bidding Document SDB 4 | Annexure J | Y |
| 6.13 | Eskom General Conditions of Purchase | Annexure K | Y |
| 6.14 | Eskom Standard Conditions of Tender | Annexure L | Y |
| 6.15 | Technical Evaluation Criteria | Annexure M | Y |
| 6.16 | Functional specification: Koeberg Firefighting Truck | Annexure N | Y |
| 6.17 | Specification and Price List | Annexure O | Y |

- 1.2 The Tender Data makes several references to the **Eskom Standard Conditions of Tender** and in those instances, the clause numbers are referenced hereunder. If the **Eskom Standard Conditions of Tender** is not attached to the **Invitation to Tender**; then the tenderers are required to download this from www.eskom.co.za. The “**Tender Data**” as detailed herein shall take precedence over the **Standard Conditions of Tender** in the event of any ambiguity or inconsistency between the two documents.

| Clause Number from Standard Conditions of Tender | Tender Data |
|---|---|
| 1.1 Parties | <p>The <i>Employer</i> is Eskom Holdings SOC Ltd</p> <p>The Eskom <i>Representative</i> is: Name: Kim Hughes Tel: 021 550 4819 E-mail: Hughesk@eskom.co.za</p> |
| 1.3 Enquiry documents | <p>The Invitation to tender: WCKBG1043KH</p> <p>See the content list above for the enquiry documents.</p> |
| 1.4 Type of Invitation to Tender | This invitation to tender is an open Invitation to tender |
| 1.6 Eskom's rights to accept or reject any tender | The tender shall be for the whole of the contract. |

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|--------------------------------|--|
| <p>2.1 Eligible tenders</p> | <p>Submit a tender only if the tenderer (whether a single company or a structure similar to a Joint Venture) complies with the <i>eligibility criteria</i> stated in the Tender Data and the tenderer, or any of his principals, is not under any restriction to do business with Eskom/State Owned Companies.</p> <p>Tenderers are deemed ineligible to submit a <i>tender</i> if</p> <ul style="list-style-type: none"> • Tenderers have the nationality of a country on any international sanctions list. A tenderer shall be deemed to have the nationality of a country if the tenderer is a national or is constituted, incorporated, or registered and operates in conformity with the provisions of the laws of that country. This criterion shall also apply to the determination of the nationality of proposed subcontractors or suppliers for any part of the Contract including related services. <ul style="list-style-type: none"> • Tenderers submit more than one [tender/proposal] either individually or as a partner in a joint venture (JV) or consortium • [Tenders/proposals] submitted by a JV or consortium where the JV/consortium agreement does not explicitly state that the parties of the JV or consortium shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms. • A Tenderer must not have a conflict of interest. All Tenderers found to have a conflict of interest shall be disqualified. A Tenderer may be considered to have a conflict of interest with one or more parties in this tendering process, if : <ul style="list-style-type: none"> ○ (a)they have a controlling partner/majority shareholder in common; or ○ (b)they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the tender/proposal of another Tenderer, or influence the decisions of the Employer regarding this bidding process; • Tenders signed by non- authorized persons • Where the tenderers are not registered on National Treasury's Central Supplier Database (except Foreign Suppliers) • A tender that fails to meet any pre-qualifying criteria stipulated in the tender documents is an unacceptable tender (section 4 (2) of PPPFA Regulations • Any tenderer that is restricted by National Treasury • A tenderer that sub-contracts 100% Scope of Work. <p>Ineligible tenderers will be disqualified.</p> |
| <p>2.2 -2.5 Tender Closing</p> | <p>The deadline for tender submission is : Date 16 August 2022 Time 10:00AM (Standard South African Time) Late Tenders will not be accepted</p> |

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| | <p>Tenders are to be submitted to the Eskom <i>tender box</i> at the following physical address: THE TENDER OFFICE Tender Centre Block “E” Stores Building Brackenfell Complex Eskom Road Brackenfell 7560 Western Cape, South Africa</p> |
| 2.9 Copy of original tender | <p>The tenderer must submit the tender as a complete original tender, plus one (1) hard copy of the original tender at tender submission deadline. Eskom may also require that one (1) additional complete soft copy of the original tender is required in electronic format.</p> <p>Where a Tenderer does not submit 1 hard copy of the original tender at tender submission deadline, the tenderer will be disqualified.</p> <p>Tenderers to submit 1 original tender and 1 copy of original tender at tender closing.</p> |
| 2.13 Tender Validity Period | The tender validity period is 120 days |
| 2.16 Site/clarification meetings | A voluntary clarification meeting will be held at a date and time to be determined after the tender issue. |
| 2.17 Clarification on enquiry documents | The tenderer will notify the <i>Employer</i> of any clarifications required before the closing time for clarification queries, which is 5 working days before the deadline for tender submission. |
| 2.23 Alternative tenders | <p>Alternative tenders are not allowed.</p> <p>If Alternative tender(s) are allowed, it may be based only on the following criteria and subject to acceptance by the <i>Employer</i>:</p> <ul style="list-style-type: none"> • A different completion date. • A different payment method. • Different technical methods and specifications <p>A different main option and other combinations of secondary option clauses, acceptable to Eskom as the <i>Employer</i>, selected from the NEC Engineering and Construction Contract</p> |
| 2.25 Conditions of contract | The conditions of contract will be the <i>Eskom General Conditions of Purchase (See attached Annexure K)</i> |
| 2.31 Provision of security for performance | <p>If security for performance (e.g. Performance Bond) is required, the names of two financial institutions that the tenderer will approach must be submitted with the tender.</p> <p>The following bonds are required for this enquiry:-</p> <p>Not applicable.</p> |

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| 3.4 Opening of tenders | <p>Tenders will be opened at the same date and time as the tender deadline;</p> <p>Tenders will be opened on: Place: Tender Centre Block "E" Stores Building Brackenfell Complex Eskom Road Brackenfell 7560 Western Cape, South Africa Date: WCKBG1043KH Time: 10H00 (Standard South African Time)</p> | | | | |
|--|---|----------|-------------|------------------------|----|
| 3.5 Prices to be read out | Prices will not be read out. | | | | |
| 3.9 Basic Compliance | <p>Basic compliance for this invitation to tender are:</p> <ul style="list-style-type: none"> • Meet the eligibility criteria for a tenderer • Submit one (1) hard copy of the original tender to Eskom • Submit a complete original tender with commercial, financial and technical information • Submission of the mandatory commercial tender returnables as at stipulated deadlines. • Central Supplier Database (CSD) number (MAA.....) | | | | |
| 3.10 Mandatory tender returnables | A tenderer that does not submit mandatory documents/information by the required deadlines as stipulated in the Tender Returnable section of the respective Invitation to Tender; will be deemed non-responsive. | | | | |
| 3.11 Pre-qualification criteria | Pre-qualification criteria are not applicable. | | | | |
| 3.12 Designated materials and thresholds | <p>Designated material thresholds are applicable</p> <p>If applicable stipulate which materials are identified as designated materials and what thresholds the tenderers must meet in order to be evaluated further.</p> <table border="1" data-bbox="624 1447 1342 1518"> <thead> <tr> <th>Material</th> <th>Threshold %</th> </tr> </thead> <tbody> <tr> <td>Fire fighting vehicles</td> <td>30</td> </tr> </tbody> </table> <p>Tenderers need to complete and submit Annexure F1-F4 hereto as evidence of compliance with this requirement.</p> <p>The dti has appointed SABS as the official verification agency for local content in terms of designated products.</p> <p>A tender that fails to meet the minimum stipulated threshold for local production and content will be disqualified.</p> | Material | Threshold % | Fire fighting vehicles | 30 |
| Material | Threshold % | | | | |
| Fire fighting vehicles | 30 | | | | |
| 3.13 Functionality requirements | Functionality requirements are applicable. | | | | |

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| | <p>The following criteria will be applicable for this transaction under functionality criteria:</p> <table border="1" data-bbox="624 389 1522 768"> <thead> <tr> <th>Criteria</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>Company Profile</td> <td>10 %</td> </tr> <tr> <td>Completed Functional Specification sheet submitted (Annexure N)</td> <td>10%</td> </tr> <tr> <td>Compliance with Functional Specification sheet (Annexure A)</td> <td>70 %</td> </tr> <tr> <td>Manufacturer, Importer or Builder certificate</td> <td>10%</td> </tr> <tr> <td>Total</td> <td>100 %</td> </tr> </tbody> </table> <p>Threshold for functionality is 80%</p> <p>Tenderers who do not meet the threshold for functionality scoring will be disqualified and not be evaluated further.</p> | Criteria | Weight | Company Profile | 10 % | Completed Functional Specification sheet submitted (Annexure N) | 10% | Compliance with Functional Specification sheet (Annexure A) | 70 % | Manufacturer, Importer or Builder certificate | 10% | Total | 100 % |
|---|---|----------|--------|-----------------|------|---|-----|---|------|---|-----|--------------|--------------|
| Criteria | Weight | | | | | | | | | | | | |
| Company Profile | 10 % | | | | | | | | | | | | |
| Completed Functional Specification sheet submitted (Annexure N) | 10% | | | | | | | | | | | | |
| Compliance with Functional Specification sheet (Annexure A) | 70 % | | | | | | | | | | | | |
| Manufacturer, Importer or Builder certificate | 10% | | | | | | | | | | | | |
| Total | 100 % | | | | | | | | | | | | |
| <p>3.15 Evaluation of price</p> | <p>Prices will be evaluated as follows:</p> <ul style="list-style-type: none"> • Inclusive of VAT • Making the specified correction for arithmetical errors • Excluding contingencies in any bill of quantities or activity schedule. • Making an appropriate adjustment for any other acceptable variations, deviations, or alternative tenders submitted. • Making a comparison of the Net Present Value of each adjusted tender based on the tendered programme (if provided) and prices, on the estimated effect of Price Adjustment Factors and rate of exchange fluctuations (if applicable) and on other evaluation parameters relating to uncertainty and risk, where applicable. • Unconditional discounts must be taken into account for evaluation purposes; • Conditional discounts must not be taken into account for evaluation purposes but should be implemented when payment is effected. <p>Prices will be scored out of 80 or 90 points</p> | | | | | | | | | | | | |
| <p>3.17 Evaluation of B-BBEE</p> | <p>B-BBEE status will be scored out of 10 or 20 points in accordance with PPPFA.</p> <p>If a tenderer fails to submit proof of B-BBEE status level, the tenderer will not be disqualified (except if B-BBEE level is a pre-qualification criterion). The tenderer will, however, be awarded 80/90 points for price and will score 0 points for B-BBEE level /status (out of 10/20)</p> | | | | | | | | | | | | |

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| 3.18 Ranking of tenders | <p>Suppliers will be ranked by applying the preferential point scoring based on the relevant system as stipulated hereunder]:-</p> <ul style="list-style-type: none"> • 90/10 (for estimated values above R50M inclusive of VAT) or • 80/20 (for estimated values above R30 000 and up to R50M inclusive of VAT) or; • Either 80/20 or 90/10 will apply should there be a degree of uncertainty on which PPPFA Point allocation system will apply; the lowest acceptable tender will be used to determine the applicable preference system. <p>Eskom will then add the score from Pricing and the B-BBEE level together and rank the suppliers from the highest to the lowest.</p> |
| 3.19 Objective Criteria (if applicable) | <p>Objective criteria are not applicable</p> <p>Please note: -</p> <ul style="list-style-type: none"> • “Eskom reserves the right to award the tender to a supplier who may not be the highest scoring/highest ranked tenderer, in line with Section (2) (1) (f) of the PPPFA; subject to the right to negotiate on the objective criteria with the three highest ranked tenderers respectively before award is made. • Tenderers will not be disqualified if they do not comply with the objective criteria • Functionality and any element of the B-BBEE scorecard may not be used as objective criteria. |
| 3.20 Reverse e-auction (if applicable) | <p>Reverse e-auction is not applicable</p> <p>Please note:- Reverse e-auction is an electronic price and preference point system (aligned to PPPFA) that aims to achieve the most competitive prices. Eskom reserves the right to utilize reverse e-auction in certain enquiries. Where reverse e-auction is utilized in a specific enquiry this will be indicated in the respective enquiry and the relevant reverse e-auction supporting documents will form part of the enquiry. The Tenderers will be required to submit a complete tender but without prices. Where a supplier includes prices in their tender; these prices will not be considered and will be disregarded.</p> |

Please note:

Eskom reserves the right to negotiate with preferred bidders after a competitive bidding process or price quotations; should the tendered prices not be deemed market-related.

Main contractors/ suppliers are discouraged from subcontracting with their subsidiary companies as this may be interpreted as subcontracting with themselves and / or using their

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subsidiaries for fronting. Where a main contractor subcontracts with a subsidiary this must be declared in tender documents.

A report containing a list of potential sub-contractors may be drawn by accessing the following link: www.csd.gov.za

“proof of B-BBEE status level of contributor” means-

- (a) the B-BBEE status level certificate issued by an authorised body or person; or
- (b) a sworn affidavit as prescribed by the B-BBEE Codes of Good Practice; or
- (c) any other requirement prescribed in terms of the Broad-Based Black Economic Empowerment Act;

1.3 TENDER RETURNABLES

The tenderer must submit the returnables set out hereunder as part of its tender. Returnables that are mandatory for evaluation will result in disqualification if not submitted at tender closing.

| Reference | Returnables from supplier | Returnables mandatory for evaluation purposes and due at tender closing | Returnables mandatory for contract award and due prior to contract award |
|--|--|---|--|
| Basic Compliance | One (1) hard copy of the tender Central Supplier Database (CSD) number (MAA.....) | ✓ | |
| Annexure A | Acknowledgement Form | ✓ | |
| Annexure B | Tenderers Particulars | ✓ | |
| Annexure C | Integrity Pact Declaration form | ✓ | |
| Annexure D | CPA for local goods/services (if applicable) | N/A | |
| Annexure E | CPA(IG) for imported goods/services (if applicable) | N/A | |
| Annexure F1-F4 | SBD 6.2 -Declaration certificate for local production and content and Annexures C, D, E. | ✓ | |
| Annexure G (applicable for all suppliers including Foreign suppliers) | SBD 1- to be submitted with the tender at tender submission deadline | ✓ | |
| Annexure H | SBD 6.1- Preference Points Claim Form in terms of PPPFA 2017 regulations | ✓ | |

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| Annexure I | Supplier Development & Localisation (SD&L) Undertaking | | ✓ |
| Reverse e-auction training acknowledgement form (if applicable) | | N/A | |
| Additional Documents required in event of JV:- | Letter of intent to form a JV/consortium | | ✓ |
| | Valid joint venture agreement confirming the rights and obligations of each of the joint venture partners and their profit-sharing ratios. | | |
| | Written confirmation that the joint venture will operate as a single business entity (incorporated) for the duration of the contract (this may be included as an obligation within the JV agreement) | | ✓ |
| | “proof of B-BBEE status level of contributor” means:- (a) the B-BBEE status level certificate issued by an authorised body or person; or (b) a sworn affidavit as prescribed by the B-BBEE Codes of Good Practice; or (c) any other requirement prescribed in terms of the Broad-Based Black Economic Empowerment Act; (as may be applicable for the particular tendering entity) | ✓ | |
| | Details and confirmation of a single designated bank account in the name of the JV and independent of the individual JV partners, as set out in the joint venture agreement. | | ✓ |
| *“proof of B-BBEE status level of contributor” means:- (a) the B-BBEE status level certificate issued by an authorised body or person; or (b) a sworn affidavit as prescribed by the B-BBEE Codes of Good Practice; or (c) any other requirement prescribed in terms of the | Failure on the part of the supplier to submit “proof of B-BBEE status level of contributor” for purposes of evaluation and scoring by the tender closing will not result in disqualification (if tenderer is otherwise deemed to be responsive/acceptable in all other aspects and it is not a pre-qualification criterion). The tenderer will, however, be scored zero on B-BBEE for purposes of PPPFA scoring and ranking. | ✓ | |

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| Broad-Based Black Economic Empowerment Act; | | | |
| Tax Clearance Certificates | A certified copy of a tax clearance certificate is still required by Foreign suppliers (with a footprint in South Africa- but who are not on CSD and have not provided a SARS pin number) and Local suppliers (who have not provided their SARS e-filing PIN number for verification by Eskom and/or their CSD profile / CSD number) . Foreign suppliers with no footprint in South Africa, must still complete the SBD1 document, however no proof of tax compliance is required. | ✓ | |
| Tax Evaluation Questionnaire (if services contract and was included as annexure) | Evaluation questionnaire to determine whether a company, close corporation (CC) or Trust is a personal service provider for purposes of PAYE] | N/A | |
| Compliance with Employment Equity Act | To the extent that the tenderer falls within the definition of a “designated Employer” as contemplated in the Employment Equity Act 55 of 1998, the tenderer is required to furnish the Employer with proof of compliance with the Employment Equity Act, including proof of submission of the Employment Equity report to the Department of Labour. (South African tenderers only) | | ✓ |
| CIDB (where applicable) | Valid proof of the required cidb grading designation for the main contractor; JV and /or sub-contractor as may be required in the tender data at tender closing deadline or within 21 working days from the closing date of submission of tenders if this is agreed with the Employer | N/A | |
| Shareholding | Shareholding organogram and detailed breakdown (for each individual company/JV member) clearly identifying percentages owned by individual shareholders (full names & ID Numbers) and other entities (provide full legal/trading name and respective identifying registration/trust numbers) | ✓ | |

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| | | | |
|--|--|---|---|
| Additional documents required (ECSA/ SACPCMP/CVs/ permits/licenses/ specific registration documents (if applicable to scope of work)) | | | ✓ |
| Annexure J | Standard Bidding Document SDB 4 | ✓ | |
| Annexure O | Completed Price List | ✓ | |
| DOCUMENTS REQUIRED UNDER CONTRACT REQUIREMENTS | | | |
| Safety | COIDA - Original certificate of good standing or proof of application issued by the Compensation Fund (COID) or a licensed compensation insurer (South African tenderers only) | | ✓ |
| Quality | Documents that may be required per scope of work | | ✓ |
| Other safety/quality documents as required per scope of works | | | ✓ |
| Environmental | Documents that may be required as per scope of work | | ✓ |
| Due Diligence | Audited Financial Statements of the <i>tenderer</i> for the previous 18 months, or to the extent that such statements are not available, for the last year. Tenderers must note that in the case of a joint venture or special purpose vehicle (SPV) especially formed for this tender, audited financial statements for each participant in the JV / SPV is required. Start-up enterprises formed within the last 12 months are not required to send in statements, but if successful with their tender will be required to send statements for the first year when once available. | | ✓ |
| DOCUMENTS REQUIRED UNDER FUNCTIONALITY/TECHINICAL CRITERIA | | | |
| Technical (required for functionality scoring) – Submission of documentation demonstrating compliance to Annexure M | 1. Annexure M | ✓ | |
| Functional Specification (Documentation demonstrating compliance to Annexure N) | 2. Annexure N | ✓ | |

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ANNEXURE A

ACKNOWLEDGEMENT FORM

We are in receipt of the Invitation to Tender/Proposal from Eskom Holdings SOC Ltd and the following addenda issued by Eskom:

1. _____
 2. _____
 3. _____
- ---

We confirm that the documentation received by us is: **(Indicate by ticking the box)**

Correct as stated in the Invitation to Tender / RFP Content List, and that each document is complete.

Or: Incorrect or incomplete for the following reasons:

Cataloguing Acknowledgement:

[Please select the relevant statement by ticking the appropriate box below]:

1. We agree to provide the cataloguing information as described in the *tender submission*.
 2. We have already supplied Eskom with the cataloguing information pertaining to this enquiry in a previous contract/order [***insert previous invitation to tender/RFQ number***] _____
 3. We do not intend to provide the cataloguing information for the required scope / specifications. for the reasons stated hereunder:
- _____
- _____
- _____
4. I confirm that I am a Distributor/Importer/Agent and my Principal, being the Original Equipment Manufacturer (OEM) is or is not in the position to supply cataloguing information for items. See attached letter from OEM confirming his position.

Invitation to Tender/Request for Proposal No: _____

Name of company/JV: _____

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Country of registration_____

Name of contact person:_____

Contact details of contact person:

Tel (landline) _____

Cell phone_____

e-mail address_____

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ANNEXURE B

TENDERER'S PARTICULARS

The *tenderer* must furnish the following particulars where applicable:

| Indicate the type of tendering structure by marking with an 'X' (where applicable provide registration number): | |
|---|--|
| Individual tenderer | |
| Unincorporated Joint venture (registration number for each member of the JV) | |
| Incorporated JV | |
| Other | |

Please complete the following:

| | |
|---|--|
| Name of lead partner/member in case of JV | |
| CIPC Registration Number (for each individual company / JV member) | |
| VAT registration number (for each individual company / JV member) | |
| CIDB registration number (for each individual company/JV member if applicable), respective contractor grading designation for each individual company/JV member , and combined cidb contractor grading designation (for JVs) | |
| Shareholding information (for each individual company/JV member) clearly identifying percentages owned by individual shareholders (full names & ID Numbers) and other entity shareholders (provide full legal/trading name and respective identifying registration/trust numbers) | Include as separate tender returnable if required. |
| Contact person | |
| Telephone number | |
| E-mail address | |
| Postal address (also of each member in the case of a JV) | |
| Physical address (also of each member of the JV) | |

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If subcontractors are to be used, indicate the following for the main sub-contractor(s). Add to the list of applicable.

| | |
|---|--|
| Name of contractor | |
| CIPC Registration number | |
| VAT registration number | |
| CIDB Registration number (if applicable) and CIDB grade specified for the sub-contractor as may be stipulated in the Tender Data | |
| Shareholding organogram /breakdown (for each individual company/JV member) clearly identifying percentages owned by individual shareholders (full names& ID Numbers) and other entities (provide full legal/trading name and respective identifying registration/trust numbers) | |
| Proposed Scope of work to be done by sub-contractor | |
| Contact person | |
| Telephone number | |
| Fax number | |
| E-mail address | |
| Postal address | |
| Physical address | |

1. If you are currently registered as a vendor with Eskom, please provide your Vendor registration number with Eskom. _____
2. If you are currently registered as a vendor on the Treasury Central Supplier Database(CSD) please provide your supplier registration number with Treasury _____
3. Please note that it is mandatory for you to register on National Treasury's CSD, if you intend doing work with any State department or State owned entity/company.

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4. You may register online at National Treasury website on www.treasury.gov.za
5. Alternatively, you may contact [•] ***[insert the name and contact details of the relevant person from Eskom’s Vendor Management department, who can assist you further with the registration on CSD].***
6. If you are registered on SARS Efiling system, please provide your pin number in order to verify your tax compliant status _____
7. If you are required to be tax compliant as per SBD 1, but are not registered on CSD (foreign suppliers) or have not provided your SARS Efiling pin, please confirm that you have attached/will send a copy of a current valid tax compliant certificate as a tender returnable (by contract award stage).

| | | | |
|-----|--------------------------|----|--------------------------|
| YES | <input type="checkbox"/> | NO | <input type="checkbox"/> |
|-----|--------------------------|----|--------------------------|

8. If sub-contracting is prescribed in the specific enquiry, you need to compete 8.1- 8.7

- 8.1 Confirm if you intend sub-contracting

| | | | |
|-----|--------------------------|----|--------------------------|
| YES | <input type="checkbox"/> | NO | <input type="checkbox"/> |
|-----|--------------------------|----|--------------------------|

- 8.2 What percentage will you be sub-contracting? _____%
- 8.3 To whom do you intend sub-contracting? _____
- 8.4 Is the said sub-contractor registered on CSD?

| | | | |
|-----|--------------------------|----|--------------------------|
| YES | <input type="checkbox"/> | NO | <input type="checkbox"/> |
|-----|--------------------------|----|--------------------------|

- 8.5 If yes to 8.4, please provide CSD number. _____
- 8.4 Please confirm B-BBEE level of said sub-contractor _____

- 8.5 Which designated group does the sub-contractor belong to:-
 - a. Black people
 - b. Black people who are youth
 - c. Black people who are women
 - d. Black people with disabilities
 - e. Black people living in rural or underdeveloped areas or townships
 - f. Cooperatives which are 51% owned by Black people
 - g. Black people who are military veterans

If Eskom decides to apply the sub-contracting provision as specified in Regulation 4(c) all tenders above the prescribed maximum threshold for quotations must be advertised through an open competitive bidding process subject to potential tenderers meeting the 30% minimum subcontracting requirement to EMEs or QSEs that are 51% owned by the following enterprises:

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8.6 Please confirm that you have attached your signed intent to sub-contract document.

| | | | |
|-----|--------------------------|----|--------------------------|
| YES | <input type="checkbox"/> | NO | <input type="checkbox"/> |
|-----|--------------------------|----|--------------------------|

8.7 Have you attached proof of sub-contractor's belonging to designated group

| | | | |
|-----|--------------------------|----|--------------------------|
| YES | <input type="checkbox"/> | NO | <input type="checkbox"/> |
|-----|--------------------------|----|--------------------------|

A. Single tenderers

I, the undersigned, _____(Full names) hereby confirm that I am duly authorised to sign all documents in connection with this tender and any contract resulting from it, on behalf of _____ (insert the full legal name of the tenderer).

Signature: _____

Designation: _____

Date: _____

B. Joint Ventures

We, the undersigned, are submitting this tender in Joint Venture and hereby authorise Mr/Ms _____(full names), an authorised signatory of _____, (insert the full legal name of the business entity serving as the lead partner) acting in the capacity of lead partner, to sign all documents in connection with the tender and any contract resulting from it on our behalf.

We attach to this Schedule a copy of the joint venture agreement which incorporates a statement that all partners are liable jointly and severally for the execution of the contract and that the lead partner is authorised to incur liabilities, receive instructions and payments and be responsible for the entire execution of the contract for and on behalf of any and all the partners.

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| Legal Name of Joint Venture Member | Full Name and Capacity of Authorised Signatory | Signature |
|---|---|------------------|
| | | |
| | | |
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ANNEXURE C

INTEGRITY DECLARATION FORM

(Form to be completed and signed by supplier/tenderer as Invitation to Tender/RFP returnable or as part of contract modification documentation)

1. DECLARATION OF INTEREST

I/We understand that any natural/legal person, including employees of the State and/or those related to an Eskom employee/director (as per the definition of “related” set out hereunder), may tender to Eskom. However, in view of possible allegations of favouritism (the practice of showing favour to, or giving preference to some person/group, to the detriment of, or at the expense of another that is entitled to equal treatment or an equal opportunity), should the resulting tender, or part thereof, be awarded to such natural/legal person, as described herein, it is required that the *tenderer/s* declare such interest/relationship where:-

- the *tenderer/s* employees/directors are also employees/contractors/consultants/ directors in the state or a state owned entity.
- the *tenderer/s* employees/directors are also employees/contractors/consultants/ directors of Eskom
- the *tenderer/s* employees/directors are also employees/contractors/consultants or directors in another entity together with Eskom employees/consultants/contractors/ directors
- the *legal person/s (including its employees/contractors/directors/members/ shareholders)* on whose behalf the tender documents are signed, is in some other way “related” to an Eskom employee/contractor/consultant/director involved in the tender evaluation/tender adjudication/tender negotiation. “Related” meaning that:-
 - an individual is related to another individual if they are married, or live together in a relationship similar to marriage;
 - or are separated by no more than two degrees of natural or adopted consanguinity or affinity;
 - an individual is related to a juristic person if the individual directly or indirectly controls the juristic person, as determined in accordance with the definition of “control” (as per Companies Act section 2(1)) ; and
- **a juristic person is “related” to another juristic person if :-**
 - (1) either of them directly/indirectly controls the other, or the business of the other, as determined in accordance with the definition of “control”(as per Companies Act section 2(1));
 - (2) either is a subsidiary of the other; or
 - (3) a person directly/indirectly controls each of them, or the business of each of them, as determined in accordance with the definition of “control”
- the *tenderer/s* and one or more of the *tenderers* in this tendering/RFP process have a controlling partner in common, or a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the tender/proposal of another tenderer, or influence the decisions of Eskom regarding this bidding process;

To give effect to the provisions above, please complete the table hereunder with all required information.

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| Full Name & Capacity/ Position within tenderer (e.g. employee/Director/member/ owner/shareholder) | Identity Number | Confirm and provide details (including employee number) if you are a State/State owned entity employee/contractor/ director. | Full Names & Capacity/Position of Eskom employee/ director/ consultant and details of the relationship or interest(marital/ familial/personal/ financial etc.) | To your knowledge is this person involved in the evaluation/ adjudication/ negotiation of tenders |
|--|------------------------|---|---|--|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

1. If any employee/director/member/shareholder/owner of tenderer/s is also currently employed by Eskom, state whether this has been declared and whether there is authorisation(Y/N) to undertake remunerative work outside public sector employment, and attach proof to this declaration.

2. Do the tenderer/s and other tenderer in this tendering/RFP process share a controlling partner or have any relationship with each other, directly or through common third parties? (Y/N) If Yes, attach proof to this declaration._____

2. DECLARATION OF FAIR TENDERING PRACTICES

This serves as a declaration that when goods/services are being procured, all reasonable steps have been taken to address and/or prevent the exploitation of the procurement process and the use of any unfair tendering practices.

A **[tender/proposal]** will be disqualified if the *tenderer/s*, or any of its directors have:

- abused the institution's procurement process (e.g. bid rigging/collusion)
- committed fraud or any other improper conduct in relation to such system.

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Please complete the declaration with an 'X' under YES or NO

| Item | Question | Yes/No | No |
|-------|---|--------|----|
| 1.1 | <p>Is the <i>tenderer/s(or any of its directors/members/shareholders)</i> listed on National Treasury's Database of Restricted Suppliers as companies/persons prohibited from doing business with the public sector</p> <p><i>[Note: Companies/persons who are listed on the Database were informed in writing of this restriction by the Authority/Accounting Officer of the institution that imposed the restriction after the audi alteram partem rule was applied].</i></p> <p>The Database of Restricted Suppliers can be accessed on the National Treasury's website (www.treasury.gov.za).</p> | | |
| 1.2 | <p>Is the <i>tenderer/s (or any of its directors / members / shareholders)?</i> listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combatting of Corrupt Activities Act (No 12 of 2004)</p> <p>The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za).</p> | | |
| 1.3 | <p>Was the <i>tenderer/s (or any of its directors/members/shareholders)</i> convicted by a court of law (including a court outside South Africa) for fraud and/or corruption with respect to the procurement/tendering processes/procedures during the past five years?</p> | | |
| 1.3.1 | Provide details. | | |

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| | | | |
|-----|--|--|--|
| 1.4 | Was the tenderer/s(or any of its directors/members/shareholders) prohibited from doing business with any International Financial Development/funding Agency or Lending Institution | | |
| 1.5 | Is there any history/record of the tenderer/s (or any of its directors/members/shareholders) failing to meet their contractual obligation with any SOC? | | |

I, the undersigned, _____ hereby confirm that I am duly authorised to sign all documents in connection with this tender and any contract resulting from it on behalf of _____ (insert the full legal name of the tenderer)

I declare that I have read and understood the provisions of the Supplier Integrity Pact, that all information furnished herein is correct, that it is understood that the tenderer's tender/proposal may be rejected, and that Eskom will act against the tenderer should any aspect of this this declaration prove to be false.

| | |
|---|--|
| Signature: | |
| Designation and capacity in which signing: | |
| Date: | |

Joint Ventures

I, the undersigned, _____ hereby confirm that acting in the capacity of lead partner, I am duly authorised to sign all documents in connection with the tender and any contract resulting from it on behalf of _____ (insert the full legal name of the JV).

I declare that I have read and understood the provisions of the Supplier Integrity Pact, that all information furnished herein is correct, that it is understood that the JV's tender/proposal may be rejected, and that Eskom will act against the JV should any aspect of this this declaration prove to be false.

| | |
|--|--|
| Signature: | |
| Designation and capacity in which signing : | |
| Date: | |

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(A copy of the joint venture agreement which incorporates a statement that all partners are liable jointly and severally for the execution of the contract and that the lead partner is authorised to incur liabilities, receive instructions and payments and be responsible for the entire execution of the contract for and on behalf of any and all the partners is attached to the invitation to tender/Request for proposal).

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ANNEXURE F1

SBD 6.2

DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

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

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2017, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

- 1.1. Preferential Procurement Regulations, 2017 (Regulation 8) make provision for the promotion of local production and content.
- 1.2. Regulation 8.(2) prescribes that in the case of designated sectors, organs of state must advertise such tenders with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for tenders referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

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

Where

x is the imported content in Rand

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

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

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The SABS approved technical specification number SATS 1286:2011 is accessible on [http://www.thedti.gov.za/industrial development/ip.jsp](http://www.thedti.gov.za/industrial%20development/ip.jsp) at no cost.

- 1.6. A bid may be disqualified if this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation;
2. The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:

| <u>Description of services, works or goods</u> | <u>Stipulated minimum threshold</u> |
|--|-------------------------------------|
| Firefighting vehicle | 30 |
| _____ | _____ % |
| _____ | _____ % |
| _____ | _____ % |

3. Does any portion of the goods or services offered have any imported content?

(Tick applicable box)

| | | | |
|-----|--------------------------|----|--------------------------|
| YES | <input type="checkbox"/> | NO | <input type="checkbox"/> |
|-----|--------------------------|----|--------------------------|

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

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

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

| Currency | Rates of exchange |
|----------------|-------------------|
| US Dollar | |
| Pound Sterling | |
| Euro | |
| Yen | |
| Other | |

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

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

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LOCAL CONTENT DECLARATION
(REFER TO ANNEX B OF SATS 1286:2011)

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

IN RESPECT OF BID NO.

ISSUED BY: (Procurement Authority / Name of Institution):
.....

NB

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

I, the undersigned, (full names),
do hereby declare, in my capacity as
of(name of bidder entity), the following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
 - (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
- (c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

| | |
|--|---|
| Bid price, excluding VAT (y) | R |
| Imported content (x), as calculated in terms of SATS 1286:2011 | R |

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| | |
|--|--|
| Stipulated minimum threshold for local content (paragraph 3 above) | |
| Local content %, as calculated in terms of SATS 1286:2011 | |

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

(d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.

(e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 14 of the Preferential Procurement Regulations, 2017 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

SIGNATURE: _____ **DATE:** _____

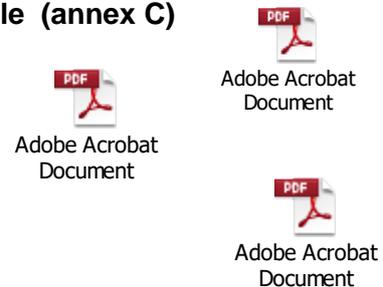
WITNESS No. 1 _____ **DATE:** _____

WITNESS No. 2 _____ **DATE:** _____

Annexure F2- _Local content Declaration-Summary Schedule (annex C)

Annexure F3 - Imports Declaration-Supporting schedule to Annex C(annex D)

Annexure F4 - Local Content Declaration-Supporting Schedule to Annex C (annex E)



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ANNEXURE G

SBD 1

**PART A
INVITATION TO BID**

| | | | | | |
|---|--|---------------|--|---------------|--|
| YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY) | | | | | |
| BID NUMBER: | | CLOSING DATE: | | CLOSING TIME: | |
| DESCRIPTION | | | | | |
| THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7). | | | | | |

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

| |
|--|
| |
| |
| |
| |

| | | | | | |
|--|---|--|-------------------------------------|---------|---|
| SUPPLIER INFORMATION | | | | | |
| NAME OF BIDDER | | | | | |
| POSTAL ADDRESS | | | | | |
| STREET ADDRESS | | | | | |
| TELEPHONE NUMBER | CODE | | NUMBER | | |
| CELLPHONE NUMBER | | | | | |
| FACSIMILE NUMBER | CODE | | NUMBER | | |
| E-MAIL ADDRESS | | | | | |
| VAT REGISTRATION NUMBER | | | | | |
| | TCS PIN: | | OR | CSD No: | |
| B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX] | <input type="checkbox"/> Yes <input type="checkbox"/> No | | B-BBEE STATUS LEVEL SWORN AFFIDAVIT | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| IF YES, WHO WAS THE CERTIFICATE ISSUED BY? | | | | | |
| AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA) AND NAME THE APPLICABLE IN THE TICK BOX | <input type="checkbox"/> | AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA) | | | |
| | <input type="checkbox"/> | A VERIFICATION AGENCY ACCREDITED BY THE SOUTH AFRICAN ACCREDITATION SYSTEM (SANAS) | | | |
| | <input type="checkbox"/> | A REGISTERED AUDITOR | | | |
| | | NAME: | | | |

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

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| | | | |
|---|--|--|---|
| ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED? | <input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF] | ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED? | <input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ANSWER PART B:3 BELOW] |
| SIGNATURE OF BIDDER | DATE | | |
| CAPACITY UNDER WHICH THIS BID IS SIGNED (Attach proof of authority to sign this bid; e.g. resolution of directors, etc.) | | | |
| TOTAL NUMBER OF ITEMS OFFERED | | TOTAL BID PRICE (ALL INCLUSIVE) | |
| BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO: | | TECHNICAL INFORMATION MAY BE DIRECTED TO: | |
| DEPARTMENT/ PUBLIC ENTITY | | CONTACT PERSON | |
| CONTACT PERSON | | TELEPHONE NUMBER | |
| TELEPHONE NUMBER | | FACSIMILE NUMBER | |
| FACSIMILE NUMBER | | E-MAIL ADDRESS | |
| E-MAIL ADDRESS | | | |

PART B TERMS AND CONDITIONS FOR BIDDING

| |
|--|
| 1. BID SUBMISSION: |
| 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION. |
| 1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR ONLINE |
| 1.3. BIDDERS MUST REGISTER ON THE CENTRAL SUPPLIER DATABASE (CSD) TO UPLOAD MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS; AND BANKING INFORMATION FOR VERIFICATION PURPOSES). B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION. |
| 1.4. WHERE A BIDDER IS NOT REGISTERED ON THE CSD, MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS MAY NOT BE SUBMITTED WITH THE BID DOCUMENTATION. B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION. |
| 1.5. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER LEGISLATION OR SPECIAL CONDITIONS OF CONTRACT. |
| 2. TAX COMPLIANCE REQUIREMENTS |
| 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS. |
| 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS. |
| 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA. |
| 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS TOGETHER WITH THE BID. |
| 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE |

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PROOF OF TCS / PIN / CSD NUMBER.

2.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.

3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

- 3.1. IS THE BIDDER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? YES NO
- 3.2. DOES THE BIDDER HAVE A BRANCH IN THE RSA? YES NO
- 3.3. DOES THE BIDDER HAVE A PERMANENT ESTABLISHMENT IN THE RSA? YES NO
- 3.4. DOES THE BIDDER HAVE ANY SOURCE OF INCOME IN THE RSA? YES NO

IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN, IT IS NOT A REQUIREMENT TO OBTAIN A TAX COMPLIANCE STATUS / TAX COMPLIANCE SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.

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

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Annexure H

SBD 6.1

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

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

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

1. GENERAL CONDITIONS

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

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

1.2

a) The value of this bid is estimated to **not exceed** R50 000 000 (all applicable taxes included) and therefore the **80/20** preference point system shall be applicable; or

1.3 Points for this bid shall be awarded for:

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

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

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

1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

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

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preferences, in any manner required by the purchaser.

2. DEFINITIONS

- (a) **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (b) **“B-BBEE status level of contributor”** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (c) **“bid”** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals;
- (d) **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (e) **“EME”** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (f) **“functionality”** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- (g) **“prices”** includes all applicable taxes less all unconditional discounts;
- (h) **“proof of B-BBEE status level of contributor”** means:
 - 1) B-BBEE Status level certificate issued by an authorized body or person;
 - 2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;
 - 3) Any other requirement prescribed in terms of the B-BBEE Act;
- (i) **“QSE”** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (j) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

3. POINTS AWARDED FOR PRICE

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

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

80/20

or

90/10

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

Where

P_s = Points scored for price of bid under consideration

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Pt = Price of bid under consideration

Pmin = Price of lowest acceptable bid

4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR

4.1 In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

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

5. BID DECLARATION

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

6. B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 4.1

6.1 B-BBEE Status Level of Contributor: =(maximum of 10 or 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

7. SUB-CONTRACTING

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

(Tick applicable box)

| | | | |
|-----|--------------------------|----|--------------------------|
| YES | <input type="checkbox"/> | NO | <input type="checkbox"/> |
|-----|--------------------------|----|--------------------------|

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7.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted.....%
- ii) The name of the sub-contractor.....
- iii) The B-BBEE status level of the sub-contractor.....

iv) Whether the sub-contractor is an EME or QSE
(Tick applicable box)

| | | | |
|-----|--------------------------|----|--------------------------|
| YES | <input type="checkbox"/> | NO | <input type="checkbox"/> |
|-----|--------------------------|----|--------------------------|

v) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations,2017:

| Designated Group: An EME or QSE which is at least 51% owned by: | EME | QSE |
|---|-----|-----|
| | √ | √ |
| Black people | | |
| Black people who are youth | | |
| Black people who are women | | |
| Black people with disabilities | | |
| Black people living in rural or underdeveloped areas or townships | | |
| Cooperative owned by black people | | |
| Black people who are military veterans | | |
| OR | | |
| Any EME | | |
| Any QSE | | |

8. DECLARATION WITH REGARD TO COMPANY/FIRM

8.1 Name of company/firm:.....

8.2 VAT registration number:.....

8.3 Company registration number:.....

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8.4 TYPE OF COMPANY/ FIRM

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

[TICK APPLICABLE BOX]

8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....

.....

.....

8.6 COMPANY CLASSIFICATION

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

[TICK APPLICABLE BOX]

8.7 Total number of years the company/firm has been in business:.....

8.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person’s conduct;
 - (c) cancel the contract and claim any damages which it has suffered

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as a result of having to make less favourable arrangements due to such cancellation;

- (d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury 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.

| | |
|--|---|
| <p>WITNESSES</p> <p>1.</p> <p>2.</p> | <p style="text-align: center;">.....</p> <p style="text-align: center;">SIGNATURE(S) OF BIDDERS(S)</p> <p>DATE:</p> |
|--|---|

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Annexure O

Price List

| Item No | Description | Required Quantity | Unit Price |
|----------------|---|--------------------------|-------------------|
| 1 | <p>Heavy Duty 4x4 Fire Fighting Vehicle Specifications</p> <p>The chassis cab, the super-structure, pump and the electrical system of the fire fighting vehicle must meet every aspect of the National Road Traffic Act requirements. Manufacturer's must use latest technology throughout.</p> <p>Overview: Truck Engine and Chassis kW output Min. X 309 kW (326 HP) Nm output Min. X 1100 Nm @ 1200 - 1750 r.p.m (280 HP @ 2300 r.p.m) Diesel driven Yes - EURO 3 Emission level, Common-Rail with direct injection - turbo charger Permissible front axle mass 7700 kg minimum Permissible rear axle mass 8000 kg minimum All-wheel drive X 4x4 with differential locks on front and rear axle. Wheels Single rear wheel application Tyres (Size) X Tyres (Size) 1400R20 Steel radial Tyres (Michelin XZL) (up to 80% off road usage) Compatible diff ratio or equivalent GVM X Approx. 18000 kg D/T Rating "Min." 44 000 Kg Wheelbase " Max." Centre front axle to centre of rear axle unit 4800 mm (rear overhang not more than 1800 mm) Semi-Automatic trailer coupling Yes - with electric supply Airline booster connection (SABS 1207-1985) Yes Fuel tank Minimum 250 litres Electrical system 24 V with 2 x 12 Volt, 165 Ah batteries Electrical wiring All electrical wiring is protected from chafing by use of protective looms and grommets where wiring passes through body. All wiring is distributed via lockable distribution boxes. Regulated battery charger A regulated battery charger with auto eject plug is fitted to the vehicle, for charging the batteries from external 220V source. A battery isolation switch is fitted to completely isolate the battery. No direct connections from batteries will be accepted. Transmission Type X Fully Automatic Gearbox The gear engaged at any given time must be indicated on the display console. Power Take Off (P.T.O.) The power take-off (PTO) controls will be adjacent to the driver in the cab and pump operator's panel. Power take-off engagement warning lights shall be installed in the cab instrument panel and pump operator's panel. Engagement of the PTO</p> | 1 | |

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| <p>will be possible to facilitate the pump and roll function.</p> <p>The PTO ratio will be matched to the pump and vehicle engine to ensure the pump's optimum performance is achieved with the engine rpm within the green band.</p> <p>Cooling System Cooling system Water forced circulation by pump. Tubular finned radiator with thermostat.</p> <p>"Engine cooling" The engine cooling system will permit continuous stationary running of the engine without overheating when the subsidiary power take-off (PTO) is engaged.</p> <p>The system shall also permit the main pump to run continuously without the engine operating temperature exceeding the limits as specified by the engine manufacturer.</p> <p>Engine, Gearbox & PTO oil cooling, If necessary, means shall be provided for the cooling of the oil in the engine, gearbox and power take-off.</p> <p>Instrumentation Suitable temperature indicators shall be provided in the cab and pump instrument panels that indicate the temperature of both cooling water and engine systems and shall be appropriately marked with normal operating temperatures parameters.</p> <p>Air system A dry air cleaner of the Cyclopac type or similar will be fitted.</p> <p>Fuel System Diesel Driven A fuel tank with a capacity of not less the 180 litres shall be provided. The fuel capacity shall allow for continues pumping operations at maximum capacity for not less than four hours.</p> <p>Fuel Filling A large, clearly marked filling facility will be provided on the exterior of the vehicle.</p> <p>Water separator the fuel system will be fitted with an effective water separator in addition to the normal inline fuel filter.</p> <p>Brake System Braking system X ABS braking system shall be installed that is specifically designed for Fire Brigade service.</p> <p>The dimensions and areas of the brake disk / linings are to ensure that the vehicle in its full GVM condition shall comply with all Road Traffic legislative requirements and the minimum figures stipulated by the South African Bureau of Standards. The vehicle braking system shall have the following as a minimum:</p> <p>Disks & Drums • Full air operated disc/drum brakes shall be installed.</p> <ul style="list-style-type: none"> • Full ABS braking system • Dual braking system, with split circuits front and rear. <p>Air Reservoirs • All air reservoirs will have drain and safety valves suitably protected from damage.</p> <p>Parking Brake • A spring-operated, fail-safe parking emergency brake is required.</p> <ul style="list-style-type: none"> • The parking brake shall be capable of holding the fully laden vehicle stationary on a dry surface gradient of 1:4. • An indication lamp will be provided on the instrument panel in the cab to indicate when the parking brake is applied. | |
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| <ul style="list-style-type: none"> • Provision shall be made to allow the mechanical release of the parking brake in the event of low air pressure. Leak rate • The leakage rate, if any, shall still allow for the release of the parking brake after standing for 24 hours. Steering A power assisted steering system shall be installed with a suitably sized steering wheel. X Power steering hydraulic - right-hand drive Turning circle Crew Cab The cab shall be of sufficient size to accommodate Driver, Officer and Crew of four (4) and will be entirely closed. Cab/chassis fixing the cab will be so designed, and so attached to the chassis as to eliminate to the greatest possible extent the risk of injury to the occupants in the event of an accident. The crew cab must be of the original chassis Manufacturer and MUST carry chassis manufacturers approval and comply with all International Automotive Safety Standards. Such approvals must accompany tender documents. All seating shall be forward facing. 4 forward opening doors The cab will be fitted with four (4) forward opening doors. Cab steps There shall be at least three (3) entry steps at every door with step illumination. Cabin Floor need to be covered with a spray on non-slip material Anti-burst door catches X All door catches will be of the anti-burst type and will be internally recessed to prevent unintentional opening. Door opening Doors shall open to at least 85° from the longitudinal centre of the cab. ALL doors to be fitted with reinforced hinge stop / limiter. Cab internal dimensions: Min length 2 600 mm Cab internal dimensions: Min width 2 500 mm Min Floor to Ceiling height 1 600 mm Min Seat to Ceiling height 1 380 mm All equipment stowed in the cab must properly mounted and secured to prevent equipment dislodging while the vehicle in motion. Toughened glass X All glass will be toughened safety glass and each piece shall be permanently marked describing it as such. The design of the cab shall be such as to ensure maximum visibility for the driver. Driver's seat X Air suspension seat, a bucket-type and fully adjustable for weight, height, reach and tilt. The officer and crew seats will be forward facing, and the crew seats will be provided with a full width crash bar. Crew seats All seats, the driver's backrest and crash bars will be fully upholstered and covered in heavy duty durable materials. SCBA in backrest the backrest of the crew seats will be provided with | |
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| <p>quick release bracket suitable for carrying Self Contained Breathing Apparatus (SCBA) sets (Drager PA-91 or similar). The bracket will be a rubber plastic construction (no metal) to eliminate damage to composite cylinders when stowed. The brackets shall be fitted with quick release collision restraint straps able to withstand a minimum of 10 G forces. SCBA Note: Four (4) SCBA sets and fitted in the cab as part of the back rest of crew seats four (4) spare cylinders to be supplied in fitted in the 1st locker behind the cab on the right-hand side All loose equipment carried in the cab will be secured in such a way as to prevent it being dislodged in the event of an accident. Access to the cab will be entirely unobstructed and doors will be forward swung on steel hinges with check straps. Crew cab steps large steps or step walls will be provided for entering or leaving the cab. Noise level in the cab will not exceed 80 dba and if necessary, soundproofing materials will be installed to limit noise below this level. Cab mirrors Large exterior and blind-spot mirrors will be provided. Vehicle control in Cab X All control necessary for the safe operation and control of the vehicle whilst in motion will be within easy reach of the driver with his seat belt fastened. Air-conditioning X The cab shall be fully air-conditioned with independently controlled front and rear vents. Safety requirements X The crew cab shall meet ECE29 safety requirements. ECE29 refers the European standard for the approval of vehicles with regard to the protection of the occupants of the cab of a commercial vehicle. (More information attached) Cab Instruments, warning devices and controls: "The vehicles cab is fitted with comprehensive range of instruments and controls as standard and shall include" Display X Universal with 9" LCD display, GPS, Radio, Bluetooth and reverse camera Rear camera X Reverse camera to be installed with a full colour display on the display system VHF Radio • A VHF two-way radio will be provided by Eskom to be installed within easy reach of the driver and officer positions in the cab. Radio frequencies will be provided by the end user. • A VHF Radio antenna shall be installed on top of the cab with coaxle trunked to the radio installation. Warning devices, switches and vehicle instrumentation and controls • Parking brake controls with lock and warning light • Battery isolation switch easily accessible to the driver • Fuse or circuit breaker box • Fog lamp switch and warning light indicating lights on • Cab interior lamps and switches • Master locker light switches and warning light on • Windscreen wiper and washer control</p> | |
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| <ul style="list-style-type: none"> • Power takes engagement warning lamps • Fuel tank contents gauge • Engine coolant temperature gauge and lubricant temperature gauge • Engine oil pressure gauge • Warning lights bar switches • Warning / PA audio system switch • Air reservoirs pressure gauge • Cab heater / demister controls • Air-conditioning controls switches • Speedometer and Odometer registering in kilometres per hour (kph) and kilometres respectively. • Engine tachometer • Hour meter for recording of engine running time <p>X • LED Light mast extended with warning light & buzzer in CAB</p> <ul style="list-style-type: none"> • Packet (Locker) door "OPEN" visual warning light <p>Vehicle measurement The design of the vehicle should take the following measurements into consideration.</p> <p>Approach angle X • 30 degrees Departure angle X • 30 degrees Static side slope stability • 28 degrees Max Width of vehicle • 3100mm including mirrors Length • 10 584mm Max Height--Including monitor • 3 900 mm Bull Bar / Tow Eye / Electric Winch Bull Bar Heavy duty diameter seamless 304 grade "stainless steel" round tubing bull bar for additional protection of vehicle frontal areas shall be installed. Recovery Hooks X Two (2) heavy duty tow eyes shall be installed on either side (left and right) in both the front and the rear of the vehicle. Tow hook X Self-locking Tow hitch with a 40mm pin to be fitted directly to the chassis, and chassis to be re-enforced for heavy duty towing. Winch X An electrically operated winch capable of pulling not less than 7500 kg capacity, fully reversible shall be installed. A snatch block to be provided to sue with the winch during recoveries. The winch shall have a minimum of 30 m x 9 mm galvanized aircraft type cable and a replaceable hook. The winch shall be mounted to the chassis frame with an extension centered at the front bumper. A 9 m remote control cable and switch shall be provided. Major fire fighting vehicle components for the fire tender Subframe X Subframe of structure to be hot dip galvanized Pump X • Firefighting pump capable of 4 500 lpm @ 10 bar maximum flow but not less than 4 000 lpm. Superstructure • Superstructure with all mounted components Water tank X • Noncorrosive light weight water tank of not less than 3 000-litre usable capacity Foam tank X • Noncorrosive light weight foam tank of 250 litre capacity</p> | |
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| <p>Foam mixing • Foam Proportioning unit 0,5%, 1,0% and 3%</p> <p>Water monitor • Roof foam/water monitor capable of 3 000 - 4 000 lpm @ 10 bar.</p> <p>High pressure hose reels X • Two (2) x High Pressure Hose Reels (one of either side of vehicle with electric wind) 350 - 400 lpm @ 40 bar.</p> <p>Light mast • Light mast with all round LED floodlights.</p> <p>Fire-fighting superstructure</p> <p>Main components found on vehicle superstructure</p> <p>The superstructure is composed of 3 sections mounted independently on the chassis.</p> <p>Pump compartment • The pump compartment and equipment lockers at the rear of unit.</p> <p>Water and foam tank X • The water and foam tank in the center</p> <p>Lockers and compartments X • The equipment locker just behind the crew cab.</p> <p>Modern technologies like bending, gluing, and screwing are preferred.</p> <p>X Where the bodywork manufacturer is not the chassis manufacturer, the ultimate design of the vehicle will be approved by the chassis manufacturer and the end-user.</p> <p>X The design of the vehicle will be such as to facilitate maintenance and repair and to give as low a centre of gravity as practicable.</p> <p>X The vehicle will be systematically proportioned with due consideration to the distribution and nature of the load to be sustained.</p> <p>Rear camera X A rear facing camera system will be installed with a full colour display located in the driver's cab.</p> <p>X All structural components and materials will be of the highest grade.</p> <p>Materials "Only AA International Quality 6063 T6 and 6261 T6 will be accepted. /AA 6063 is an aluminum alloy, with magnesium and silicon as the alloying elements. ... T6 temper 6063 has an ultimate tensile strength of at least 190 MPa (28,000 psi) and yield strength of at least 160 MPa (23,000 psi). ... Nonferrous Alloys and Special-Purpose Materials, Vol 2, ASM Handbook, ASM International, 1990, p.</p> <p>Fatigue performance of 6261-T6 aluminum alloy - Constant and variable. Article in International Journal of Fatigue 19(93):109-118 · June 1997 with 52 Reads ... and specimens in which weld `quality' (as assessed by profile, heat affected zone hardness, extent and microstructure) varied. Welding of Aluminum Alloys."</p> <p>All body panels will be painted except where thread bright panels are fitted.</p> <p>Walkways and floors the minimum thickness of all walkways and locker floors shall be over 3 - 4.6 mm.</p> <p>Walkways, steps, and floors shall be supported by a structural member every 550 - 600 mm.</p> <p>All vertical plain or thread bright panels shall be a minimum 2 - 3 mm thick.</p> <p>All structural frames shall be of 6063 aluminum tubing and must be full welded at every joint.</p> | |
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| <p>X No ferrous metal body framework or panels will be accepted. A full description of materials and applications must be submitted with tender in a covering letter. Any variations to this specification will not be accepted. Lockers and compartments Off Side (righthand side) and nearside(left-hand side) top locker will have two (2) shelves. X All compartments will be dust and weather resistant and shall have flush fitting locks. Total locker space Total locker capacity should be approximately 6 m3. Locker open warning sensor X All Roller Shutter doors are to be fitted with "OPEN POCKET / LOCKER" warning sensor with light mounted on the driver's console. Locker hold open X Roller shutters shall be provided with an efficient means to hold the door open when in use. Walk-on fold down locker/step X Flip-down access steps shall be provided at all lockers, so that upper shelves are easily reachable, including those above the wheel arch (step integrated with arch). X All flip-down doors will be fitted with double click anti-burst door locks. Roller shutter doors Roller shutter doors shall be fitted with "Bar Lock" mechanism for preventing accidental door opening whilst in motion. X All roller shutter doors must be lockable by means of a central operated locking system (Central Locking), the switch situated on the driver's console and fitted with an override system, which can be activated, in the event of air failure. Offside top locker will be fitted with a swing-out shelf, nearside bottom locker will be fitted with a pull-out drawer of full door width. The roller shutter doors will be of an aluminum type. Deck access X Suitable provision will be made for climbing onto the deck and all grab handles. Locks and hinges will be stainless steel or chromium plated. Decks and floors X The deck, back step and floor of the crew compartment will be covered with aluminum chequer plate. X Kick plates will be provided where damage to the paint is likely from climbing into or onto the unit. X Special attention should be paid to the mudguard areas Step Tread. Decking, platforms, and kick plates will be of aluminum chequer plate. Under cab protection X Cab and body will be provided with suitable under body protection against rust. Water Supply Water tank X Noncorrosive light weight water supply tank with a carrying capacity of not less than 3,000 litres with baffle system shall be installed. Foam tank X A separate foam tank with a capacity of not less than 250 litres of foam concentrate. Warranties on Tanks Water tank Foam Tank Pump output requirements X A rear mounted, mutli-stage centrifugal fire pump with the following minimum capacities. A centrifugal multi-stage firefighting pump X Normal Pressure - Not less</p> | |
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| <p>than 4 500 lpm @ 10 Bar pressure X High Pressure - not less than 400 lpm @ 40 Bar X Around the pump foam proportioning system with a pre-set of 0.5%, 1% and 6% foam mix. (Note: NOT a foam induction system.) Stowage, Lockers & Bodywork Lockers shall be incorporated into the vehicle body and shall be flush mounted. On each side of the vehicle, there must be three (3) lateral storage lockers. The lockers must be equipped with light alloy roller shutters, which prevent any dust entering the compartments. Swing down doors Lower part compartments must have swing down type doors, which can be used as standing on platforms for the firefighters to access gear stowed higher in lockers. Roller shutter doors the roller shutter doors are fully enclosed within structural members and shall not obstruct the clear door opening. Centre of gravity the superstructure is constructed to ensure the lowest possible center of gravity and minimum height for removal of heavy objects from lockers. Locker fold-down for access to higher lockers as indicated, the lower part of the equipment rear lockers shut by tailboard flaps which are hinged and used and used as treads for access to the equipment lockers. Non-slip the areas which can be walked on are covered with aluminum tread plate and coated with a non-slip material. LED illumination in lockers is illuminated by LED strip illumination in each locker and it is activated by electromagnetic switches on opening locker doors. Secure mounting Firefighting equipment will be securely mounted in the equipment lockers. Pump locker the rear pump compartment is also fitted with a lockable roller shutter door and shall be well illuminated. Roof access to the roof is obtained via access ladder mounted at the rear of the superstructure on the left side of the vehicle. Fire Fighting Pump A multi-stage centrifugal firefighting pump to be installed and matched with vehicle engine capacity and output. X A rear mounted multi-stage centrifugal firefighting pump complying with EN 1028, and UL certification shall be installed. The pump shall be matched with the vehicle engine capacity but shall not be lower than the required specifications. Pump discharge rate X Centrifugal fire pump with minimum discharge of not less than 4 500 lpm @ 10 bars. Power Take Off (P.T.O.) X Power for driving the pump shall be taken from the vehicle engine via a P.T.O. transfer gear box. X The power take-off (PTO) controls will be on the pump operator's panel. X Power take-off engagement warning lights shall be installed pump operator's panel. X Engagement of the PTO will not impair the vehicles' ability to pump and roll.</p> | |
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| <p>Pump Specifications X The firefighting pump shall comply with EN 1028 or NFPA 1901.</p> <p>Type X Multiple stage centrifugal pump</p> <p>Volume pump output: X Not less than 4 500 lpm @ 10 bars.</p> <p>High pressure pump output: X Not less than 400 l/min at 40 bar</p> <p>Materials X Castings (impeller, pump cover, pump housing) are made from sea-water resistant light metal alloy.</p> <p>X All wet pump components will be of corrosion resistant materials which will be compatible to avoid galvanic effects.</p> <p>X A flexible connection from the tank to the pump inlet, with a straight through pneumatic butterfly valve will be installed between the tank and pump inlet control in an easily accessible position for the operator.</p> <p>Pump drain X A drain valve will be provided at the bottom of the pump casing; the control being arrange so as to prevent the cock opening from vibration.</p> <p>Cooling system X A suitable cooling system will be incorporated to prevent heating of water in the hose reel lines when the branch nozzle is closed.</p> <p>Controls X All controls are mounted at the pump operator's panel and partially in the driver's cab.</p> <p>Pump configuration X Normal pressure and high-pressure pump on one shaft.</p> <p>Normal pressure X 1 - stage centrifugal pump</p> <p>Normal Pressure Performance X Not less than 4 500 lpm @ 10 bars</p> <p>High pressure X 4 - stage centrifugal pump</p> <p>Cooling system X A suitable cooling system will be incorporated to prevent heating of water in hose reel lines when the branch is closed.</p> <p>High Pressure Performance X Not less than to 400 lpm @ 40 bars</p> <p>Sealing Maintenance free mechanical sealing</p> <p>Pump suction intake X Pump intake/s shall be fitted with 5.5-inch ERT/STORTZ couplers compatible with Koeberg and city of cape town, and a non-ferrous conical strainer/s and blank-cap/s.</p> <p>Pump hydrant intake A three-way collecting head (aluminum type construction) with three 65 mm instantaneous male couplings with non-returnable valves and female blank caps shall be supplied.</p> <p>Tank to pump Water Tank fitted with automatic filling control function (pneumatic control valve.)</p> <p>Foam inlet A foam tank suction inlet and hose shall be provided A foam tank flushing line shall be provided</p> <p>Water inlet A water tank suction inlet shall be provided Pump to tank shall be via the main panel controls.</p> <p>Suction hoses X Four (4) reinforced rubber suction hoses, each at least 2,5 m in length and with an internal diameter of 5,5inch to suit the pump intake will be provided and shall be properly mounted (stowed) on the vehicle.</p> <p>Suction hoses shall be fitted with aluminum Storz/ERT type couplings.</p> | |
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| <p>At least two (2) suitably sized and robust Storz/ERT coupling spanners with rubber handle grips will be supplied.</p> <p>Strainers A stainless steel strainer and a basket strainer will be provided.</p> <p>Suction hoses, strainers and spanners will be accommodated in an accessible position and securely mounted.</p> <p>Water delivery Four (4) controllable delivery outlets with 65 mm (British Standard) instantaneous female type couplings and blank caps with pressure release lugs, 2 on the left-hand side and 2 on the right-hand side of the pump intake.</p> <p>Hose Reels Two 19mm high pressure hose reels 45 m long (able to handle maximum capacity) shall be provided on either side of the vehicle. The hose reels shall have electric rewind. Hoses shall be connected with suitably sized storz or compatible coupling to allow for extension or the changing of branches.</p> <p>Monitor Outlet A single direct outlet with extender to the roof-mounted water/foam monitor. Control via remote control.</p> <p>Priming pump</p> <p>Auto controlled primer The priming pump will be automatically controlled by the pressure in the pump.</p> <p>Performance Priming Pump 3 m suction height in 5 seconds @ normal atmospheric pressure (0,975 bar)</p> <p>Foam Proportioning Unit</p> <p>A foam proportioning system to work as a complete unit (matched) with the installed pump X An automatic normal and high pressure around the pump foam proportioning system designed to work seamlessly with the installed firefighting pumps shall be installed. Please note, NO induction type system will be acceptable.</p> <p>Design X Around the pump foam proportioning system</p> <p>Flow measurement X Mechanical, water measuring cone. Foam flow will be proportionate to water flow.</p> <p>Metering X Fully automatic, mechanically controlled, foam agent dosing cone.</p> <p>Foam agent suction lift X High external foam suction capacity, 2 m (foam viscosity of 20 cSt) through a 1.5" suction line.</p> <p>Foaming agent output X Not less than 300 lpm</p> <p>Foam types X Must be able to handle all standard types of foam agents like Protein - Fluoroprotein as well as Synthetic and AFFF type foams.</p> <p>Admixing rate X Foam Proportioning at 0,5%, 1,0% and 3%. One rate for High Pressure. Constant admixing - independent of pump output.</p> <p>X A foam pump for the augmenting of the foam supply or filling of the foam tank shall be installed and shall be operable from the pump operating compartment.</p> <p>Water tank</p> <p>Water tank materials and capacity X A polyethylene roto-moulded water tank of not less than 3 000 litres usable capacity and a separate foam tank of not less than 250 litres is required. (Tenderer to state type of materials to be use manufacturing process and tank capacities as well as period of guarantee)</p> | |
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| <p>Water capacity X Not less than 3000 litre usable capacities</p> <p>Material X Polyethylene, roto-moulded</p> <p>X The entire tank must be incorporated in the superstructure of the vehicle.</p> <p>X Note: NO stainless-steel construction will be accepted.</p> <p>X All piping, and fittings will be of corrosion resistant type materials.</p> <p>Attachment X The tank shall be attached with Stainless steel straps to a separate frame and the frame mounted to the chassis with heavy duty rubber mountings to allow movement of the chassis when in off road conditions.</p> <p>Centre of gravity X The tank shall be mounted in such a manner as to achieve the lowest conveniently possible center of gravity.</p> <p>Tank design X Note: NO floating tank designs will be accepted.</p> <p>Easily removable tank X The tank shall be mounted in such a way that it can be easily removed for repair, without having to remove major body panels.</p> <p>Manhole cover X A 500 mm diameter covers with snap closure and removable sieve</p> <p>Baffle plates X The tank shall be suitably baffled to prevent surge whilst the vehicle is in motion and piping will be provided with an anti-vortex plate over the connection to the pump.</p> <p>Filling lines X Two filling lines, one each side, with 65mm male instantaneous coupling and blank cap and pneumatic actuating valve.</p> <p>X Tank and fill will be fitted with an automatic and system to maintain tank level between 75% and 100% when connected to hydrant/s.</p> <p>Overflow X Tank overflow system with spillage prevention shall be provided that will prevent the tank from over-pressurizing.</p> <p>X The overflow tube will be so positioned and baffled to prevent loss of water, due to surge and tilting.</p> <p>X Any overflow will discharge behind the rear wheels and beneath the chassis.</p> <p>Draining X, A drain cock at the suction sump shall be provided.</p> <p>Tank level indication X A suitable LCD water tank contents gauge will be installed at the pump operator's panel and duplicated on both sides of the vehicle with LED lights.</p> <p>X The side content gauges will consist of five (5) 50 mm LED lights (three (3) Green 100%, 75% and 50%) - (One (1) Amber 25%) - (One (1) Red 0%)</p> <p>X A suitable electronic foam tank contents gauge will be installed at the pump operator's panel.</p> <p>Foam tank</p> <p>X The foam tank suitable for transporting and storing all known brands of synthetic or protein-based foam compounds shall be integrated in the water tank.</p> <p>Capacity X Not less than 250 litres of foam concentrate.</p> <p>Material X Polyethylene, roto-moulded</p> <p>Manhole cover X One 500 mm manhole with snap closure and removable sieve</p> | |
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| <p>Filling line X One filling connection with Storz D/suitable coupling, blank cap and sieve</p> <p>Suction line X One suction connection for proportioning unit, remote controlled</p> <p>Overflow X One line with overflow and aeration / de-aeration unit</p> <p>Tank indication X Tank level is displayed on the control unit screens.</p> <p>Deck mounted Water / Foam Monitor</p> <p>Roof mounted water / foam monitor X A remote controlled Roof Monitor which is of a design that both water and foam can be used shall be installed at the rear above the pump compartment.</p> <p>Branch X Shall be installed with an Akron or TFT type, fully automated and capable of discharging water or foam. Specify types and prices (include specifications) Eskom to decide on type offered.</p> <p>Discharge capacity X The monitor shall be capable of delivering between 3500 and 4000 lpm @ 10 bar.</p> <p>Controls X Full movement of the monitor rotation and elevation as well as nozzle control (jet-spray or jet-fog) shall be via a remote-control system from 0 - full discharge.</p> <p>X The hand control unit must be housed close to the pump in the rear compartment.</p> <p>X Monitor must allow for spray or jet to be continuously adjustable.</p> <p>Rotation X Up to 300 degrees minimum.</p> <p>Elevation X From -200 to +700 minimum.</p> <p>Throw range X Approximately 70 m @ 10 bars</p> <p>Manual operation X Manual operation must be capable in the event of system power failure.</p> <p>Controls & Gauges</p> <p>Integrated pump and vehicle control system A fully integrated pump and vehicle ancillary control panel system that controls the entire vehicle shall be installed in the pump compartment and in the cab.</p> <p>Labelling of gauges and controls the following gauges, controls, valves, and equipment located in the pump panel and will be clearly labelled on engraved labels and shall include:</p> <ul style="list-style-type: none"> X • electronic water and foam tank level indicators suitable illuminated X • engine revolution counter X • engine temperature gauge and warning light X • engine oil pressure gauge X • compound pressure gauge for both vacuum and incoming pressure - positive side pressure calibrated to 25 bar and negative side calibrated to -1 bar. The gauge sweep will be divided equally between negative and positive. X • pressure gauge for high pressure discharge - for High and Low pressure with large diameter calibrated in bar for main pump and hose reels. X • controls for foam discharge X • tank to pump control X • tank fill controls (hydrant to tank) and valve switch X • hose reel control valves | |
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| <p>X • pump inlet and deliveries with shut-off valves</p> <p>X • pump cooling system control</p> <p>X • pump grease nipples and lubrication ports</p> <p>X • pump operating hour meter</p> <p>X • light mast control and switches</p> <p>X • pump primer controls</p> <p>X • locker, deck, scene and pump compartment light indicators and switches</p> <p>X • PTO engagement switch with indicator lights</p> <p>X • electronic pump speed control with engine emergency stop / start Engine, Gearbox & PTO oil cooling, If necessary, means shall be provided for the cooling of the oil in the engine, gearbox and power take-off.</p> <p>Instrumentation X Suitable temperature indicators shall be provided in the cab and pump instrument panels that indicate the temperature of both cooling water and engine systems and shall be appropriately marked with normal operating temperatures parameters.</p> <p>High Pressure Hose Reel</p> <p>High pressure hose reels X Two High-pressure hose reel shall be installed.</p> <p>Position X Left and Right-hand side in the equipment locker behind the rear wheels.</p> <p>Type X Hose reel with brake being connected with the centrifugal fire pump.</p> <p>Hose & Branch X Each Hose Reel shall be equipped with 45 m, non-deformable 19mm diameter delivery hose, coupled to a trigger operated, pistol grip type turbo-branches.</p> <p>X All components of the hose reels including branch, coupling and hose, shall be capable of +40 bar working pressure.</p> <p>Couplings X Hoses shall be attached to the drum and at the branch connection, by Storz/equivalent coupling.</p> <p>Hose Guides X Each Hose Reel shall be equipped with hose guides to allow hose to be run at approximately right angles to the centre line of the reel.</p> <p>Electric coiling X Each hose reel will be provided with an electrical and mechanical over-ride rewind mechanism.</p> <p>X Crank handles shall be supplied for mechanical rewinding of the hose onto the hose reel drum in the event of electric rewind failure.</p> <p>Foam tubes X Branches shall be equipped with air rating foam tubes.</p> <p>Control X Branches shall be capable of full control between jet and spray.</p> <p>Under truck Nozzles</p> <p>Under truck Nozzles X " The under-truck nozzles consists of 3 ground spray nozzles in front and 1 ground spray nozzle in front of each of the rear axles.</p> <p>The body/ground protection unit is used at ground fires under the vehicle for protection of the rear and front wheels. Able to operate from inside the cab while driving."</p> <p>Ladder</p> | |
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| <p>Mounting A ladder bracket for the easy removal of the 2-section fireman's ladder shall be mounted above the superstructure. Ladder to be supplied Mounting and lowering mechanism the ladder housing system shall be such that over-reaching shall not be necessary to slip, ship or stow the ladder.</p> <p>Ladder reach the ladder shall have a reach of not less than 10 m in height.</p> <p>The 7.4m Duo Safety 2 section NFPA ladder, quoted for in the equipment list, will be mounted in the bracket</p> <p>Roof area Gantry box Gantry box for 8 x20 litre spare foam drums, Ladder equipment Roof Light Mast 5 m Mast Flood-light system X A pneumatic extendable Light Mast with a minimum height of 5 meters shall be installed. LED type lights X The mast shall have 4 x High Power LED Flood Lamps. Each lamp shall have a high output of 7000 lumens and total of 28000 lumens X The LED lamps must be positioned in such a way that entire surroundings are illuminated. Pole mounting X The light-pole must be mounted inside the superstructure. Safety features X The light mast must have the following safety features. X • when releasing the hand brake of the Fire Truck, the pole - when extended - will automatically be lowered into the travelling position. X • the floodlights are automatically switched off as soon as the light pole is lowered. X • moreover, there is a pilot lamp and warning buzzer in the driver's cabin, showing that the light pole is extended. Power supply X The light mast will be powered from the vehicle's normal power supply. Plumbing Corrosion resistant All water and foam bearing piping's are corrosion resistant stainless steel 304 and flexible high pressure rubber hose Warning Device A slim line LED 1.6 m light bar will be installed on the vehicle roof with the following. LED lights bar • 8 LED cluster front • 8 LED cluster rear • 6 LED clusters at the corners PA / Siren A 200-watt Siren/PA system with soft touch control panel which shall include the following. • control light bar flash patterns and cruise lights • all siren tones (yelp, wail, phaser, air horn) Additional lights Separate touch control switches for; • Additional lights • emergency lights • public address volume</p> | |
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| <ul style="list-style-type: none"> • dim LED lights bar for night mode <p>Flashing Lights 10 LED panel flashing lights will be mounted on the vehicle as follows.</p> <ul style="list-style-type: none"> • 2 Front • 2 Rear • 3 Left side of vehicle • 3 Right side of vehicle <p>Electrical System Electrical distribution board A separate electrical junction box will be fitted for the power supply of all auxiliary equipment allowing for both 12- & 24-volt supplies. Labelling All connections to be clearly labelled. No battery connections x No direct connections from the batteries will be accepted. LED lighting All interior and compartment lighting will be of the LED type. 12/24-volt electrical system the electrical system shall be 24 volt and there shall be two heavy duty batteries with a total capacity of approximately 165AH for each bank. Alternator An alternator will be fitted having one output capable of supplying the full operational electrical load, but with a minimum of 108A, and shall incorporate fully automatic regulation. The alternator will have spike protection fitted. The system will be fitted with a battery isolator master switch. Battery trays the batteries will rest on corrosion proof trays. Shore supply A shore power supply / battery management system with auto elect function shall be installed to allow the vehicle to be connected to an external power (250 VA) for the purpose of charging and maintaining the batteries. (At back of Vehicle) All components of the electrical system will be of the waterproof type (marine grade) for sufficient carrying capacity to suit the maximum circuit loading and will be colour coded. Circuit breakers All important electrical circuits will have separate fuses or circuit breakers. Common box Either will be suitable indicated and grouped into a common box located in an accessible position. Fuses / breakers Where fuses are employed, there will be provision within the box for carrying spares. All auxiliary equipment will be wired through separate fuses. Crew cab 12-volt supply Provision will be made for a regulated 12-volt electrical supply in the crew cab of the vehicle, on the left side, for a two-way radio, 24-to-12-volt step down transformer with minimum 15 A capacity will be fitted. All wiring will be carried in tubing clipped to the chassis in an approved manner. A number plate light will also be provided. Hazard lights A four-way hazard flasher system is required and indicator repeater lamps on each side of the cab are preferred. In addition, two fog lamps are required.</p> | |
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| <p>Paintwork, labelling & finish Painting requirement and colour scheme the paint shall be of the best quality of approved manufacturer and will comply with the requirements of the relevant West coast specifications and will be applied strictly in accordance with the manufacturer's instructions by tradesmen skilled in this class of work.</p> <p>Driver's cab Colour closely matching Fire Red RAL 3000 will be used with a v Brilliant White roof above gutter.</p> <p>Superstructure Colour closely matching, Fire Red RAL 3000</p> <p>Roller shutters Aluminum natural coloured anodised</p> <p>Aluminum tread plate Aluminum natural coloured</p> <p>Equipment lockers inside Heavy duty rust protection paint – white</p> <p>Aluminium surfaces All aluminum surfaces shall be anodised.</p> <p>Rims Hot dipped galvanised</p> <p>Bumpers Grey</p> <p>Fenders Grey</p> <p>Controls/instructions Clearly marked by means of labelling in English.</p> <p>Brackets for equipment All equipment supplied will be securely mounted.</p> <p>Finish The vehicle will be free from sharp or jagged edges or corners, loose grab rails or slippery foot surfaces.</p> <p>Any materials that may be subject to corrosion shall have a durable corrosion and weather resistant automotive finish.</p> <p>All surfaces including cut ends, etc. will receive specified dry film thickness of paint for each coat and successive coats.</p> <p>Paint surfaces which are to be over coated will be hard dry before over-coating, unless the manufacturer's specification states otherwise.</p> <p>the dry film thickness will be measured using a non-destructive thickness gauge such as the "Miko Test" or equivalent.</p> <p>Areas welded on-site will be abrasive basted and/or ground and all contaminants such as flux and weld splutter removed prior to painting.</p> <p>Decals and Eskom Logo Shall be in white high-reflective (SANS) letter, as per end-users' instructions.</p> <p>Standard Tools, Accessories and Documents</p> <p>Standard equipment to be supplied with the vehicle A complete set of tools required for normal maintenance of the vehicle will be included.</p> <p>One spare wheel with complete with same rim and tyre as fitted to the vehicle will be supplied loose (will not be carried on vehicle).</p> <p>One jack, jack handle, wheel spanner and two triangles.</p> <p>Maintenance booklet for chassis and vehicle engine.</p> <p>Operation instruction for chassis and vehicle engine.</p> <p>Suction hoses • At least two (2) suitably sized Suction hose spanners with rubber handle grips will be supplied.</p> <p>Strainers • A stainless steel strainer and a basket strainer will be provided.</p> <p>Fire brigade ladder • A 2-section fire brigade extension ladder that complies with the relevant NFPA or EN 1147 requirements shall be supplied and mounted.</p> <p>Additional Operating firefighting and rescue equipment to be mounted on</p> | |
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| <p>or in the vehicle Additional Equipment as described shall be supplied by Eskom and securely mounted with the vehicle's lockers and compartment;</p> <ul style="list-style-type: none"> • Eight (8) lengths of rubber lined firefighting hose (65 mm x 30 m) with BS 65 mm instantaneous couplings (one male and female) (rolled on the female coupling). <p>Hoses • Four (4) lengths of rubber lined firefighting hose (45 mm x 30 m) with BS 65 mm instantaneous couplings (one male and one female) (rolled on the female coupling).</p> <p>Hose bridges • One (1) set (2 x pieces) heavy duty hose bridges.</p> <ul style="list-style-type: none"> • One (1) hooligan rescue tool with metal cutting claw • One (1) 9 kg DCP type stored pressure fire extinguisher with ABC powder on heavy duty vehicles galvanised bracket to be fitted. <p>Ex rated torches • Six (6) LED Explosion Proof (Zone 0) torches (Adalit L-3000 LED) with high intensity LED's, rechargeable ultra-light Li-ion batteries with indication of the remaining time of light duration and low battery warning shall be provided and installed so that torches are charged from the vehicle's power supply. Charges for each torch shall be installed and shall take power from the vehicle.</p> <p>Ventilation fan • One (1) High Performance PPV fan with petrol driven engine shall be supplied and suitably mounted in the vehicle. Fan shall have a fast smoke evacuation performance, aluminum frame, be capable of rapid deployment, large, smooth-operating wheels, and stable vibration dampers. Where possible, an integrated water spray attachment should be incorporated.</p> <p>Spreader • One (1) combi tool with single coupling complying with NFPA 1936 and DIN EN 13204 shall be supplied and incorporated into the vehicle stowage. Spread tips to comply with EN class; BS 53/800-20</p> <p>Cutter • One (1) Combi PLUS with single coupling complying with NFPA 1936 and DIN EN 13204. Cutter tips to comply with EN-class BC 180-H-18 and NFPA=class A7/B9/C7/D9/E9.</p> <p>Rescue cylinder • Two (2) Battery operated Rescue Cylinders RZ 2-1290 with single coupling complying with NFPA 1936 and DIN EN 13204. To be supplied with two Weber Rescue Cylinder chains.</p> <ul style="list-style-type: none"> • One (1) battery powered Sill Support to work in conjunction with the Weber Rescue Cylinder. <p>Hand tools • One (1) metal Fire Broom with wooden handle.</p> <ul style="list-style-type: none"> • One (1) foam making branch pipe with BS 65 mm male coupling and ball valve shut-off. • One (1) Inline inductor with induction range from 0.5 - 3%. • One battery operated (including recharge facility) Rescue Saw with FR-3 blade of 300 mm for concrete, cast iron, masonry, stone, steel or brick. • Two (2) Pick Head Fire Axe Model FA • One (1) Scoop Shovel • One (1) Header Fork • One (1) Broom with stick • One (1) Crowbar 600 mm long | |
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| <ul style="list-style-type: none"> • One (1) Bolt cutter 750 mm long • One (1) Large Wood axe • One (1) Spade <p>Dividing breeches • Two (2) Dividing Breeching with Ball type control valves (1 x 65 mm BS instantaneous male inlet to 2 x 65 mm female outlets)</p> <p>Collecting breeches • One (1) Collecting Breeching with ball type control valves (BS 2 x 65 mm male coupling to 1 x BS 65 mm instantaneous female couplings)</p> <p>Branches • Two (2) Akron type pistol grip turbo firefighting branches with volume and pressure control/shut-off and flush with 65 mm BS instantaneous male couplings.</p> <p>Pike • One (1) Pike with wooden handle 3 m long.</p> <p>Training</p> <p>The suppliers will provide training to the end-user's personnel in a formalized training environment The supplier shall provide training on the full operation of the vehicle and all ancillary equipment to the end-user. Training shall form of the hand-over and acceptance testing of the vehicle.</p> <p>Training shall be provided for no less than 12 personnel at a suitable venue.</p> <p>All training material will be documented and made available to the end-user as part of the vehicle documentation.</p> <p>Certification The pump shall be certified in accordance with:</p> <ul style="list-style-type: none"> x • EN 1028 FPN 10-4000 (normal pressure) x • EN 1028 FPN 40-250 (high pressure) x • UL classified in accordance with NFPA 1901 150-1250 <p>ISO manufacturing certificate x to be submitted with the tender</p> <p>The chassis cab, the super-structure, pump, and the electrical system of the firefighting vehicle must meet every aspect of the National Road Traffic Act requirements.</p> <p>Weight distribution and placement on the unit must ensure safe driving at a speed of 80-90km/h with safe tilt angles at that speed. x</p> <p>List of Acceptance tests required x "The manufacturer shall prove to the satisfaction of Eskom the functioning and performance of all mechanical, electrical and pneumatically operated equipment which will include but not be limited to:</p> <ul style="list-style-type: none"> • PTO's • Pump inlet/outlet valves with pump test certificates and performance curves. • All ancillary equipment operations • High pressure hose rewind machines • Flood lights • Vehicle ancillary lights • Full remote operation of the roof monitor system, etc. • Full operation of the foam system and foam tank refilling capability. " <p>Manufacturer certificate x</p> <p>Homologation certificate x</p> | |
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| <p>Pump performance certificates Pump curves and all pump performance tests certificates for both flow volume and pressure (normal and high) shall be provided by an approved testing authority. Form proportioning performance certificate A certificate of performance for the foam proportioning system and tank filling pump shall be provided. Brake test certificate x Certificate of roadworthiness x GENERAL Vehicle to be built in the Cape Peninsula to enable interaction between bodybuilder and Eskom for problem solving. x Manufacturer's must use latest technology throughout. Operation instruction and manuals for fire-fighting superstructure, pumps and all ancillary equipment shall be supplied to the end-user. Maintenance and parts manual shall be supplied x Operator training for 16 damage controllers x Paint process protection for high corrosive conditions at the west coast. Vehicle to be registered in Eskom name before delivery. x Complete vehicle to be delivered to Eskom Koeberg x Documents to be returned with this completed spread sheet. Critical criteria Completed functional specification spread sheet x Weight distribution diagram and calculations x Photos/Brochures/ technical data sheets of the unit to validate information on this spread sheet x Paint spec details (coastal specific) x Certificate for registration as body builder to build fire engines. x Proof of dealership / agency from OEM x Proof of existing maintenance and repair support structure in the Western Cape x Estimate delivery time from day of order x All qualifying suppliers may be visited as part of the evaluation, please indicate physical address of the factory. Please submit basic drawings of the tendered product.</p> | |
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| | TOTAL PRICE EXCLUDING VAT | |
| | TOTAL PRICE INCLUDING VAT | |
| | DELIVERY COST | |
| | MODE OF TRANSPORT | |
| | LEAD TIMES | |
| | PAYMENT TERMS | |

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