



BID NO.: RDM2024-004A

**APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS,
MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS
AND GENERATORS FOR WATER AND SANITATION
INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND
WHEN REQUIRED)**

CLOSING DATE & TIME: WEDNESDAY, 23 APRIL 2025 @ 12H00

Name of Bidder	
Total BID Price (Incl. VAT)	
CSD Number	

CLIENT:

Dr Ruth Segomotsi Mompoti District Municipality
34 Church Street
VRYBURG
8601

Contact Person: Mr Evans Matope

Tel: 053 928 6400

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T1 Tendering Procedure

T1.1 TENDERING NOTICE AND INVITATION TO TENDER

Prospective service providers with proven track records are invited to tender as follows:

Bid No.	Bid Description	Availability of Documents & Non-Refundable Fee	Compulsory Briefing /Site Inspection Venue	CIDB Grading	Closing date	Points System	Contact Person for Technical Enquiries
RDM2024-004A	Appointment of a Panel of 6 Contractors – Repairs, Maintenance, Supply and Delivery of Pumps, Motors and Generators for Water and Sanitation Infrastructure for a period of 36 months (As and When Required).	19 March 2025 R1000.00	None	6ME or 5ME PE or Higher	23 April 2025 @ 12H00	80/20	Mr Evans Matope at 079 700 3522

Bid details containing the Minimum Specifications and other conditions are detailed in the bid documents. Bid documents with detailed bid specifications and detailed information are obtainable at the Finance department (office hours: Monday to Friday 07h30 to 13h00 and 13h45 to 16h15) of the Dr Ruth S Mompoti District Municipality, 34 Church Street, VRYBURG, 8601, from 08h00 on Wednesday, 19 March 2025 also downloadable on eTender Portal.

Bids will be adjudicated according to the Dr Ruth S Mompoti District Municipality's Supply Chain Management Policy, the Preferential Procurement Policy Framework Act (Act 5 of 2000) and the Preferential Procurement Regulations, 2022, as well as the Broad Base Black Economic Empowerment Act (Act 53 of 2003). A validity period of **120** calendar days is applicable for this bid. Sealed Bids and supporting documents clearly marked with the above reference and description must be placed in the tender box situated at the offices of DR RUTH S MOMPOTI DISTRICT MUNICIPALITY, 34 Church Street, VRYBURG, 8601.

In terms of MFMA Circular No 81, issued by National Treasury, it is compulsory as from 1 July 2016 for all prospective service providers to District Municipality's to be registered on the web based **Central Supplier Database (CSD)**. Bids received from service providers not registered on the **CSD** shall therefore be regarded as non-responsive and will not be further evaluated. Prospective service providers can utilise the following link to register on the **CSD**: www.csd.gov.za.

The Dr Ruth S Mompoti District Municipality does not bind itself to accept the lowest or any bid and the District Municipality reserves the right to accept the whole or part of any bid and further reserves the right to re-advertise if it so wishes to. No reasons for the acceptance or rejection of any bid will be given. All bidders must submit two (2) soft copies (i.e USB or,DISK) of their bid proposed

No late bids will be accepted

MUNICIPAL MANAGER

DR RUTH S MOMPATI DISTRICT MUNICIPALITY

34 Church Street

VRYBURG

8601

Technical Enquiries:

Dr. Ruth S Mompoti District Municipality

Mr E Matope, Tel. No. (053) 928 6400 or 079 700 3522

1.2 TENDER DATA

The conditions of tender are as contained in the latest edition of SANS 10845-3, *Standard conditions of tender*.

SANS 10845-3 makes several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the provisions of SANS 10845-3 *and* as contained in **the Standard for Uniformity in Construction Procurement (Board Notice 423 of 2009 Government Gazette No 42622 of August 2019)**, as termed as **SFU**.

Each item of data given below is cross-referenced to the clause in SANS 10845-3 to which it mainly applies.

Clause number	Tender Data
3.1	The employer is the Dr Ruth Segomotsi Mompoti District Municipality
3.3	The Tender documents issued by the employer comprise the documents listed on the contents page.
3.4	The Employer's Representative Agent is: Name: Evans Matope Physical Address: 34 Church Street, VRYBURG, 8601 Telephone: (053) 928 6400 Email: MatopeE@drsrmdm.gov.za
3.5	The language of communications is English
4.1	ONLY those tenderers who satisfy the following ELIGIBILITY CRITERIA and who provide the required evidence in their tender submission, are eligible to submit tenders and have their tenders evaluated: The tenderer: - Only those tenderers who are registered with the CIDB, or are capable of being so registered prior to the evaluation of submissions, are eligible to have their tenders evaluated: - contractors who have a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) of 25(7A) of the Construction Industry Development Regulations, for a CIDB Grade 6ME or Higher class of construction work; and - contractors registered as potentially emerging enterprises with the CIDB who are registered in one contractor grading designation 5ME PE in terms of a) above and who satisfy the following criteria: a potential to develop and qualify to be registered in that higher grade as determined in accordance with the provisions of the CIDB Specification for Social and Economic Deliverables in Construction Works Contracts; and whom the employer agrees that they will provide the financial, management or other support that is considered appropriate to enable the contractor to successfully execute that contract. Joint ventures are eligible to submit tenders provided that: - every member of the joint venture is registered with the CIDB in ME class of

Clause number	Tender Data
	works. 2. the lead partner has a contractor grading designation in the CIDB Grade 5ME PE or Higher class of construction work; or not lower than one level below the required grading designation in the class of works construction works under considerations and possess the required recognition status; and 3. the combined contractor grading designation calculated in accordance with the Construction industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a CIDB 5ME PE or Higher class of construction work or a value determined in accordance with Regulation 25 (1B) of 25(7A) of the Construction Industry Development Regulations. 2. In case of a Joint Venture/Consortium submission, shall submit a Joint Venture agreement signed by all parties. 3. Is registered in terms of the Companies Act, 2008 (Act 71 of 2008) or Close Corporation Act, 1984, (Act No. 69 of 1984) or, if a partnership, has a partnership agreement (buy and sell agreement for participating partners in this tender) in place that enables the partnership to automatically continue to function in the event of death or withdrawal of one of the partners. 4. In case of having a subsidiary arrangement, shall submit an audited proof (letter or shareholding certificate) of agreement between the holding company and the subsidiary. 5. Tenderers may only tender under 1 (one) company or 1 (one) consortium – tendering with more than 1 company or consortium will result in immediate disqualification. The employer will recognise the JV/Consortium as single entity for the duration of the contract. None of the documents with correction fluid on them. Any wrong entry, in case of correction, it must be cancelled by a single stroke and initialled by the Authorised signatory. The tender documents issued by the employer are not tampered and remain intact.
4.7	The arrangements for a compulsory clarification meeting and a site visit are as stated in the Tender Notice and Invitation to Tender (ref: T1.1). No Tender will be considered unless the Tenderer attends the compulsory briefing session and site visit. Tenderers/their authorised representatives must sign the attendance register and detailed contacts in favour of the tendering entity therein. Addenda, if any, will be issued to the tenders only who attended the compulsory briefing sessions.
4.12	No alternative tender offer will be considered.
4.13 4.15	The employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are: Location of tender box: VRYBURG Physical Address: 34 Church Street, VRYBURG, 8601 Telephone: 053 928 6400

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

Clause number	Tender Data
4.13.4	The tenderer is required to meet the following conditions in addition to the requirement for eligibility criteria as mentioned in Clause 4.1. 1. All declaration pages fully completed, signed and submitted. 2. The tender documents completed in all respect, signed off by the authorised person of the tenderer wherever spaces are provided in permanent ink. 3. The tender document issued by Dr Ruth Segomotsi Mompoti District Municipality is not tampered with and content in the tender document remains intact.
4.13.5	Tender offer shall be submitted as original and one scanned copy of the original completed and signed tender documents in a memory stick.
4.13.6	Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted.
4.15	The closing time for submission of tender is as stated in the Tender Notice and invitation to Tender (ref: T1.1)
4.16	The tender offer validity period is 120 days , exclusive of closing date but inclusive of the 120 th day.
5.1	The employer will respond to requests for clarification received up to 7 working days before the tender closing time.
5.2	The employer shall issue addenda until 3 working days before tender closing time.
5.4	The time and location for opening of the Tender offers are as detailed in the Tender notice and invitation to tender (ref: T1.1) or in any addendum thereafter if applicable.
5.11.2	The procedure for the evaluation of responsive tenders is Method 1: Price only.
5.11.3	The procedure for the evaluation of responsive tenders is Method 1: Price only and Quality
5.11.4	The procedure for the evaluation of responsive tenders is Method 2: Price and Preference. In the case of a price and preference:
5.11.5	The procedure for the evaluation of responsive tenders is Method 4: Price, Quality and Preference. In the case of a price and preference:
SFU (clause 4.3.1)	The procedure for the evaluation of responsive tenders is Functionality, Financial offer, Preference and Objective criteria) as explained in the cidd's Standard for Uniformity in Construction Procurement August 2019 (clause 4.3.1). Breakdown points for Functionality points are outlined in 5.11.9 below. The procedure for the evaluation of responsive tenders is detailed as follows: Phase One: Responsiveness to the eligibility criteria, bid and mandatory requirements and rules. Tenderers that do not meet the compliance requirements stipulated above will be disqualified from further evaluation.

Clause number	Tender Data
	Phase Two: Tenderers must meet the minimum requirements outlined in the functionality criteria and score the at least the minimum functionality points to be considered for further evaluation. Tenderers which do not meet minimum functionality points of 70 will then be rejected. Phase Three: Bidders passing all stages above will thereafter be evaluated on PPPFA (80/20 or 90/10). Phase Four: Objective criteria and Risk analysis 1. <u>PHASE ONE: RESPONSIVENESS TO THE ELIGIBILITY CRITERIA, BID AND MANDATORY REQUIREMENTS AND RULES:</u> Tenderers' proposals must meet the following minimum requirements and supporting documents must be submitted with the completed bid document in a sealed envelope in the bid box at the closing date and time. Failure to comply will automatically eliminate the bid for further consideration: 1. Tender Document (This Document must be submitted in its original format) Tenders which are late, incomplete, unsigned or submitted by facsimile or electronically, will not be accepted. 2. Tenderer must be registered with CIDB in the correct grading and class of works as per the tender notice and requirements and the status on CIDB must be active during award stage. It is the responsibility of the tenderer to keep the status on CIDB active throughout bidding process (i.e from advert till award stage). 3. Tenderer must be a legal entity or partnership or joint venture or consortia. 4. Form of offer and Acceptance (fully completed and signed) 5. MBD 4- Declaration of Interest (fully completed and signed) 6. MBD 5-Declaration for procurement above R10 million (all applicable taxes included) - (fully completed and signed) 7. MBD 8- Declaration of Bidder's past Supply Chain Management Practices. (Completed and signed) 8. MBD 9- Certificate of Independent Bid Determination. (Completed and signed) 9. Compulsory Enterprise Questionnaire (Completed and signed) 10. If the offer (any of the items quoted for) is "Vat Inclusive", the VAT registration number of service provider must be indicated. Bidders are not entitled to claim the VAT if they are not VAT registered. 11. Certificate of Authority for Joint Ventures (if applicable). In the case of a joint venture, a signed JV agreement stating the share interest or percentage of each partner should also be made available to the department by the JV. cidb regulations and prescripts apply. 12. Resolution to Sign (if applicable) must be completed and furnished with the tender. 13. Attendance of compulsory briefing meeting (where applicable) 14. Only one offer per item per bidder is allowed and alternative offers will not be considered. If more than one offer per item is received, none of the offers will be considered. Tenderers are also not allowed to submit a bid/ quotation whilst they are in agreements with other tenderers in the form of joint ventures or consortiums. Other Conditions of bid (Non eliminating, unless expressly mentioned in the document): 1. MBD 1 form 2. The bidder must be registered on the Central Supplier Database (CSD) prior the award. 3. All tenderer's tax matters must be in order prior award. Bidders' tax matters will be verified through CSD. 4. The bidder must complete section 1.3.1.2 of the Preference Points Form to claim points on Specificized goals. Non completion of the schedule / form will result in a bidder losing preferential points.

Clause number	Tender Data								
	<u>2. PHASE TWO: TENDERS WHO PASS STAGE 1 WILL THEN BE EVALUATED ON FUNCTIONALITY CRITERIA, AS OUTLINED BELOW:</u> 1. The tender will be expected to submit substantial information (valid copies and detailed information as ordered) in order to claim points for each of the criteria or sub criteria set. 2. The tenderer must demonstrate to the satisfaction of the Employer that it has sufficient skill and capacity to execute the works. 3. The form or the evaluation criteria and maximum score in respect of each of the criteria listed in 5.11.9. 4. A Tender scoring an average score below 70 points in Functionality will be considered as DISQUALIFIED from evaluation and will be discarded from any further evaluation. 5. Non-submission or poorly completed schedule or incomplete information will result in a tenderer losing points on Functionality. CVs which do not substantially detail relevant experience will also lead to a bidder losing points on Functionality, It is the responsibility of the tenderer to ensure that all copies are clear and certified when the conditions require them to be so. 6. No second chance will be given to a tenderer to submit some information after tender closure on this stage of evaluation i.e. functionality. <u>3. PHASE THREE: EVALUATION POINTS ON PRICE AND SPECIFIED GOALS</u> The 80/20 preference point system shall be applied for the purposes of this bid as per the requirements of the <i>Preferential Procurement Policy Framework Act, 2000</i> (Act No. 5 of 2000). <table border="1"> <thead> <tr> <th>Criteria</th><th>Points</th></tr> </thead> <tbody> <tr> <td>POINTS ON PRICE</td><td>80</td></tr> <tr> <td>SPECIFIED GOALS</td><td>20</td></tr> <tr> <td>TOTAL</td><td>100</td></tr> </tbody> </table> The 80/20 preference point system for acquisition of services, works or goods up to Rand value of R50 million: (a) The following formula must be used to calculate the points for price in respect of tenders (including price quotation) with a Rand value equal to, or above R 30 000 and up to Rand value of R 50 000 000 (all applicable taxes included): The financial offer will be scored using the following formula: $A = \frac{1 - (P - P_m)}{P_m}$ The value of value of W_1 is: 1) 90 where the financial value inclusive of VAT of all responsive tenders received have a value in excess of R50 000 000 or 2) 80 where the financial value inclusive of VAT of one or more responsive tender offers have a value that equals or is less than R 50 000 000.	Criteria	Points	POINTS ON PRICE	80	SPECIFIED GOALS	20	TOTAL	100
Criteria	Points								
POINTS ON PRICE	80								
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Clause number	Tender Data								
	The table below must be used to calculate the score out of 20 for Specified Goals <table> <tr> <th>SPECIFIC GOALS</th><th>PREFERENCE POINTS ALLOCATED OUT OF 20</th></tr> <tr> <td>Enterprises owned by black people (must be included as a specific goal)</td><td> <u>10 Points</u> - B-BBEE status level 1 = 10 points - B-BBEE status level 2 = 5 points - B-BBEE status level 3, 4, 5, 6, 7, 8; non-compliant contributor = 0 points </td></tr> <tr> <td> Enterprises located in specific: - District Municipality - North West Province </td><td> <u>4 Points</u> - District Municipality = 4 points - North West Province = 2 points - Outside the North West Province = 0 points </td></tr> <tr> <td> Choose any one (1), two (2), three (3) or four (4) of the following specific goals (may): - Enterprises owned 100% by women - Enterprises owned 100% by people with disability - Enterprises owned 100% by military veterans - Enterprises owned 100% by youth. </td><td> <u>6 Points</u> - Enterprises owned 100% by women = 2 points - Enterprises owned 100% by people with disability= 2 points - Enterprises owned 100% by military veterans = 1 point - Enterprises owned 100% by youth = 1 point </td></tr> </table> NOTE: The tenderer must submit a CSD number, CIPC documents indicating share ownership or directorship of the company or a comprehensive CSD report which must indicate the names of the owners, their gender, race, age, whether there is a person living with disability or not and the address of a company (first address on CSD), in order to claim the preferential procurement points. 4. <u>PHASE FOUR: OBJECTIVE CRITERIA AND RISK ANALYSIS</u> 1. The Tenderers having the highest ranking / number of points, will additionally be reviewed against the following points listed as “Other Objective Criteria” in terms of the PPPFA, in order to ascertain suitability for award. Tenderers will be assessed on whether they are not: - Removed from a contract between them and any organ of state on account of failure to perform on or comply with the contract. - Financial health of the bidder will be assessed if deemed necessary, to ensure that the service provider will be able to operate as per required deliverable.	SPECIFIC GOALS	PREFERENCE POINTS ALLOCATED OUT OF 20	Enterprises owned by black people (must be included as a specific goal)	<u>10 Points</u> - B-BBEE status level 1 = 10 points - B-BBEE status level 2 = 5 points - B-BBEE status level 3, 4, 5, 6, 7, 8; non-compliant contributor = 0 points	Enterprises located in specific: - District Municipality - North West Province	<u>4 Points</u> - District Municipality = 4 points - North West Province = 2 points - Outside the North West Province = 0 points	Choose any one (1), two (2), three (3) or four (4) of the following specific goals (may): - Enterprises owned 100% by women - Enterprises owned 100% by people with disability - Enterprises owned 100% by military veterans - Enterprises owned 100% by youth.	<u>6 Points</u> - Enterprises owned 100% by women = 2 points - Enterprises owned 100% by people with disability= 2 points - Enterprises owned 100% by military veterans = 1 point - Enterprises owned 100% by youth = 1 point
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Clause number	Tender Data																				
	iii) Unduly high or unduly low Tendered rates in the Tender offer. In this regard, a financial risk analysis will be performed to verify that the costs are reasonable and balanced. iv) In terms of unduly high Tendered amounts in the Tender offer, negotiation process as outlined in Regulation 24 of the MFMA Regulations will apply. 2. This tender will be considered as a whole. All trades listed in the Bills of Quantities or Pricing schedule must be priced for (except provisional sums and allowances), failure to do so will increase the commercial risk of the tender and may lead to elimination or passing over of the tenderer. 3. Tenders may be disqualified if tendered rates are found to be distorted. The market average of received bid prices excluding Outliers, as well as the Dr Ruth Segomotsi Mompati District Municipality estimate will be used as a guide to indicate financial risk.																				
5.11.9	A Tender scoring below <u>70 points</u> in Functionality shall be considered as DISQUALIFIED for further evaluation and shall be discarded from evaluation. <table><tr><th>Quality criteria</th><th>Evaluation schedule</th><th>Maximum number of points</th></tr><tr><td>Experience of the Tenderer</td><td>Schedule 1</td><td>20</td></tr><tr><td>Competent Human Resource Needed</td><td>Schedule 2</td><td>40</td></tr><tr><td>Plant and Equipment</td><td>Schedule 3</td><td>20</td></tr><tr><td>Bank Rating</td><td>Schedule 4</td><td>10</td></tr><tr><td colspan="2">Maximum possible score for functionality (M_s)</td><td>90</td></tr></table>			Quality criteria	Evaluation schedule	Maximum number of points	Experience of the Tenderer	Schedule 1	20	Competent Human Resource Needed	Schedule 2	40	Plant and Equipment	Schedule 3	20	Bank Rating	Schedule 4	10	Maximum possible score for functionality (M _s)		90
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5.11.9	Functionality criteria broken down into sub criteria: <table><tr><th>Criteria</th><th>Maximum Points</th></tr><tr><td> <u>Schedule 1:</u> Company work experience with similar works in the water and sanitation sector: Five (5) appointment letters = 20 points Four (4) appointment letters = 15 points Three (3) appointment letters = 10 points Two (2) appointment letters = 5 points One (1) appointment letters = 2 points Attach appointment letters and signed and stamped recommendation letters on a letter head </td><td>20</td></tr><tr><td> <u>Schedule 2:</u> Competent Human Resource Needed 1 x Maintenance Team Supervisor = 20 </td><td>40</td></tr></table>			Criteria	Maximum Points	<u>Schedule 1:</u> Company work experience with similar works in the water and sanitation sector: Five (5) appointment letters = 20 points Four (4) appointment letters = 15 points Three (3) appointment letters = 10 points Two (2) appointment letters = 5 points One (1) appointment letters = 2 points Attach appointment letters and signed and stamped recommendation letters on a letter head	20	<u>Schedule 2:</u> Competent Human Resource Needed 1 x Maintenance Team Supervisor = 20	40												
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APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

Clause number	Tender Data	
	1 x Technician = 10 points 1 x Diesel Mechanic = 5 points 1 x Occupational Health and Safety Officer = 5 points <i>Relevant experience with a minimum of 5 years experience (Attach certified copies of qualifications and CV)</i> <i>Maintenance Team Supervisor – NQF Level 7 or Bachelors Degree in Mechanical / Electrical Engineering</i> <i>Technician – NQF Level 6 or National Diploma in Mechanical / Electrical Engineering</i> <i>Diesel Mechanic (Artisans) – NQF Level 4 or equivalent qualification</i> <i>Occupational Health and Safety Officer – NQF Level 6 or National Diploma in Safety Management or equivalent qualification</i>	
	<u>Schedule 3:</u> Plant & Equipment (Owned) 1 x 4 Ton Truck = 2.5 points 1 x 25 Ton Excavator = 2.5 points 1x Borehole Drilling Machine (Minimum drilling depth 120m and drilling rig 200mm diameter) = 10 points 1 x 1 Ton Truck = 3 points 1 x LDV = 2 points Plant & Equipment (Leased / Hired) 1 x 4 Ton Truck = 1 point 1 x 25 Ton Excavator = 1 point 1x Borehole Drilling machine (Minimum drilling depth 120m and drilling rig 200mm diameter) = 5 points 1 x 1 Ton Truck = 2 points 1 x LDV = 1 point <i>Attach proof of ownership in the form of registration books or intention to lease agreement letter</i>	20
	<u>Schedule 4:</u> Bank Rating Company bank rating A & B = 10 Company bank rating C = 5 Company bank rating D = 1 No bank rating = 0	10
	Total Score	90
Minimum score required to progress to the next stage is <u>70 out of 90</u>		

Clause number	Tender Data
5.13	Tender offers will only be accepted if: - the tenderer or any of its directors/ shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector; - the tenderer has not: - abused the Employer's Supply Chain Management System; or - failed to perform on any previous contract and has been given a written notice to this effect; - the tenderer has duly completed and signed the MBD 4, MBD 8, MBD5 and MBD 9 declaration forms. Incomplete or unsigned or poorly completed forms will lead to a bidder being declared non responsive. - the tenderer is registered with the Construction Industry Development Board in an appropriate contractor grading designation. - the tenderer has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process and persons in the employ of the state are permitted to submit tenders or participate in the contract; - the tenderer/s is registered on CSD prior submitting bids (open tenders). Any prospective bidder found to have Tax matters not in order with SARS (verified through CSD) during the evaluation process (after being given an opportunity to rectify tax matters) will be eliminated and not be considered further in the process. Preferred bidder/s will be afforded an opportunity to rectify their tax affairs within 7 days. A bidder that fails to rectify its tax matters with SARS will be eliminated. - A Resolution of signatory form has been completed and signed by director/s or a letter bearing a letterhead of the tenderer has been attached (specific to this bid) to the bid submission; it must be duly signed by all directors and submitted the bid. Only a duly authorised official can sign the bid.
5.14	The number of paper copies of the signed contract to be provided by the employer is one to the successful Tenderer.
5.17	The additional conditions of tender are: Wherever a brand name is specified in this document (i.e. specifications, pricing schedule, bill of quantities or anywhere), the department requires an item similar/equivalent or better.
5.17	Cancellation and re-invitation of tenders The employer may, prior to the award of the tender, cancel the tender if- - due to changed circumstances, there is no longer a need for the services, works or goods requested; or - funds are no longer available to cover the total envisaged expenditure; or - no acceptable tenders are received; or - Tender validity period has expired; or - Gross irregularities in the tender processes and/or tender documents; or - No market related offer received (after attempts of negotiation processes) Where applicable, the decision to cancel the tender will be published in the CIDB website and in the Tender Bulletin or the media in which the original tender invitation as advertised.

T2 Returnable Documents

T2.1 LIST OF RETURNABLE DOCUMENTS

A Returnable Schedules required for tender evaluation purposes

The tenderer must complete the following returnable schedules as relevant:

1. MBD 1 – Invitation to Bid
2. Record of Addenda to Tender Documents
3. Proposed Amendments and Qualifications
4. Compulsory Enterprise Questionnaire
5. MBD 4 - Declaration on Interest
6. MBD 5-Declaration for procurement above R10 million (all applicable taxes included) - (fully completed and signed)
7. Preference Points claim form
8. MBD 6.2 – Declaration of Local Content and Production
9. MBD 8 – Declaration of Bidder's Past SCM Practices
10. MBD 9 – Certificate of Independent Bid Determination
11. CIDB certificate Annexure
12. Resolution for Signatory
13. Certificate of Joint Ventures
14. Schedule of Proposed Sub Contractors
15. Schedule 1: Experience of the tenderer
16. Schedule 2: Experience of key person
17. Schedule 3: Plant and Equipment
18. Schedule 4: Bank Rating
19. Baseline Risk Assessment

B Other documents required for tender evaluation purposes

The tenderer must provide the following returnable documents:

- Preferential Points Claimed

C C1.1 Form of Offer and Acceptance

D C1.2 Contract Data (Part 2)

The Tenderer's attention is drawn to Part 2 of the Contract Data which requires the Tenderer to tender a number of financial parameters which are applied to defined Cost in order to calculate the Prices for the Work Done to Date and the Prices.

Failure to tender the required financial parameters in the required manner in Part 2 of the Contract Data or to sign the form of offer and acceptance will result the tender being declared non-responsive.

MBD 1

PART A

INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)					
BID NUMBER:	RDM2024-004A	CLOSING DATE:	23 APRIL 2025	CLOSING TIME:	12:00
DESCRIPTION:	Appointment of a Panel of 6 Contractors – Repairs, Maintenance, Supply and Delivery of Pumps, Motors and Generators for Water and Sanitation Infrastructure for a Period of 36 Months (As and When Required)				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
34 Church Street, VRYBURG, 8601,					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	LEBOGANG NKOMO	CONTACT PERSON	EVANS MATOPE		
TELEPHONE NUMBER	053 928 6400	TELEPHONE NUMBER	053 928 6400		
FACSIMILE NUMBER		FACSIMILE NUMBER			
E-MAIL ADDRESS	ModiseL@drsrmdm.gov.za	E-MAIL ADDRESS	MatopeE@drsrmdm.gov.za		
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] ☐ Yes ☐ No	B-BBEE STATUS LEVEL SWORN AFFIDAVIT	[TICK APPLICABLE BOX] ☐ Yes ☐ No		
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES, COMPLETE QUESTIONNAIRE BELOW]		
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?			☐ YES ☐ NO		
DOES THE ENTITY HAVE A BRANCH IN THE RSA?			☐ YES ☐ NO		
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?			☐ YES ☐ NO		
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?			☐ YES ☐ NO		
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?			☐ YES ☐ NO		
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.					

PART B

TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.
1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
1.4. THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).
2. TAX COMPLIANCE REQUIREMENTS
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
2.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:
(Proof of authority must be submitted e.g. company resolution)

DATE:

T2.2 Returnable schedules

1. Record of Addenda to Tender Documents

We confirm that the following communications received from the Employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:

	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Attach additional pages if more space is required.

Signed

Date

Name

Position

Tenderer

2. Proposed amendments and qualifications

The Tenderer should record any deviations or qualifications he may wish to make to the tender documents in this Returnable Schedule. Alternatively, a tenderer may state such deviations and qualifications in a covering letter to his tender and reference such letter in this schedule.

The Tenderer's attention is drawn to clause 5.8 of SANS 10845-3 regarding the employer's handling of material deviations and qualifications.

Page	Clause or item	Proposal

Signed

Date

Name

Position

Tenderer

3. Compulsory Enterprise questionnaire

The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.		
Section 1: Name of enterprise:		
Section 2: VAT registration number, if any:		
Section 3: cidb registration number, if any:		
Section 4: csd number:		
Section 5: Particulars of sole proprietors and partners in partnerships		
Name*	Identity number*	Personal income tax number*
* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners		
Section 6: Particulars of companies and close corporations		
Company registration number		
Close corporation number		
Tax reference number		
Section 7: The attached SBD 4 must be completed for each tender and be attached as a tender requirement.		
Section 8: The attached SBD 6.1 must be completed for each tender and be attached as a requirement.		
Section 9: The attached SBD 8 must be completed for each tender and be attached as a requirement.		
Section 10: The attached SBD 9 must be completed for each tender and be attached as a requirement.		
The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise:		
i) authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my / our tax matters are in order;		
ii) confirms the neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004; iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;		
iv) confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and		

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iv) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed

Date

Name

Position

4. MBD 4 - DECLARATION OF INTEREST

1. Any legal person, including persons employed by the state¹, or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid (includes an advertised competitive bid, a limited bid, a proposal or written price quotation). In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where-

- the bidder is employed by the state; and/or
- the legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the bid.

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

2.1 Full Name of bidder or his or her representative:

2.2 Identity Number:.....

2.3 Position occupied in the Company (director, trustee, shareholder², member):
.....

2.4 Registration number of company, enterprise, close corporation, partnership agreement or trust:
.....

2.5 Tax Reference Number:

2.6 VAT Registration Number:

- 2.6.1 The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / PERSAL numbers must be indicated in paragraph 3 below.

¹"State" means –

- (a) any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999);
- (b) any municipality or municipal entity;
- (c) provincial legislature;
- (d) national Assembly or the national Council of provinces; or
- (e) Parliament.

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

2.7 Are you or any person connected with the bidder **YES / NO**
presently employed by the state?

2.7.1 If so, furnish the following particulars:
Name of person / director / trustee / shareholder/ member:

.....

Name of state institution at which you or the person connected to the bidder is employed :

.....

Position occupied in the state institution:

Any other particulars:

.....

.....

.....

2.7.2 If you are presently employed by the state, did you obtain **YES / NO / N/A**
the appropriate authority to undertake remunerative
work outside employment in the public sector?

2.7.2.1 If yes, did you attach proof of such authority to the bid **YES / NO / N/A**
document?

(Note: Failure to submit proof of such authority, where
applicable, may result in the disqualification of the bid.

2.7.2.2 If no, furnish reasons for non-submission of such proof:
.....
.....
.....

2.8 Did you or your spouse, or any of the company's directors / **YES / NO**
trustees / shareholders / members or their spouses conduct
business with the state in the previous twelve months?

2.8.1 If so, furnish particulars:

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.....

2.9 Do you, or any person connected with the bidder, have **YES / NO**
 any relationship (family, friend, other) with a person
 employed by the state and who may be involved with
 the evaluation and or adjudication of this bid?

2.9.1 If so, furnish particulars.

.....

2.10 Are you, or any person connected with the bidder, **YES/NO**
 aware of any relationship (family, friend, other) between
 any other bidder and any person employed by the state
 who may be involved with the evaluation and or adjudication
 of this bid?

2.10.1 If so, furnish particulars.

.....

2.11 Do you or any of the directors / trustees / shareholders / members **YES/NO**
 of the company have any interest in any other related companies
 whether or not they are bidding for this contract?

2.11.1 If so, furnish particulars:

.....

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

Full Name	Identity Number	Personal Income Tax Reference Number	State Employee Number / Persal Number

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Full Name	Identity Number	Personal Income Tax Reference Number	State Employee Number / Persal Number

4 DECLARATION

I, THE UNDERSIGNED (NAME).....

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

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME SHOULD THIS
DECLARATION PROVE TO BE FALSE.

.....

Signature

.....

Date

.....

Position

.....

Name of bidder

1. MBD 5: DECLARATION FOR PROCUREMENT ABOVE R10 MILLION (ALL APPLICABLE TAXES INCLUDED)

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

1 Are you by law required to prepare annual financial statements for auditing?
1.1 If yes, submit audited annual financial statements for the past three years or since the date of establishment if established during the past three years.
.....YES / NO

2 Do you have any outstanding undisputed commitments for municipal services towards any municipality for more than three months or any other service provider in respect of which payment is overdue for more than 30 days?
2.1 If no, this serves to certify that the bidder has no undisputed commitments for municipal services towards any municipality for more than three months or other service provider in respect of which payment is overdue for more than 30 days.
2.2 If yes, provide particulars.
.....

* Delete if not applicable *
YES / NO *YES / NO

3. Has any contract been awarded to you by an organ of state during the past five years, including particulars of any material noncompliance or dispute concerning the execution of such contract?
3.1 If yes, furnish particulars
.....
..... *YES / NO

4. Will any portion of goods or services be sourced from outside the Republic, and, if so, what portion and whether any portion of payment from the municipality / municipal entity is expected to be transferred out of the Republic?
*YES / NO
4.1 If yes, furnish particulars
.....

CERTIFICATION

I, THE UNDERSIGNED (NAME) CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS CORRECT.

I ACCEPT THAT THE STATE MAY ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....	
Signature	Date
.....	
Position	Name of Bidder

6. PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT ACT

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 POLICY ACT.

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

b) Either the 80/20 preference point system will be applicable to this tender Points for this bid shall be awarded for:

(a) Price; and

(b) B-BBEE Status Level of Contributor.

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

1.3.1.1 PRICE

.....80..

1.3.1.2 SPECIFIC CONTRACT PARTICIPATION GOALS

20

(a) Historically Disadvantaged Individuals (Black owned):

SPECIFIC GOALS	PREFERENCE POINTS ALLOCATED OUT OF 20
Enterprises owned by black people (must be included as a specific goal)	<u>10 Points</u> • B-BBEE status level 1 = 10 points • B-BBEE status level 2 = 5 points • B-BBEE status level 3, 4, 5, 6, 7, 8; non-compliant contributor = 0 points
Enterprises located in specific: • District Municipality • North West Province	<u>4 Points</u> • District Municipality = 4 points • North West Province = 2 points • Outside the North West Province = 0 points
Choose any one (1), two (2), three (3) or four (4) of the following specific goals (may): • Enterprises owned 100% by women	<u>6 Points</u> • Enterprises owned 100% by women = 2 points • Enterprises owned 100% by people with disability= 2 points

- Enterprises owned 100% by people with disability - Enterprises owned 100% by military veterans - Enterprises owned 100% by youth.	- Enterprises owned 100% by military veterans = 1 point - Enterprises owned 100% by youth = 1 point
---	--

Total points for Price, HDIs and other RDP-goals must not exceed 100

Separate Preference Points Claim Forms will be used for the promotion of the specific goals for which points have been allocated in paragraph 1.3.1.2 (b) above.

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

2. DEFINITIONS

- (a) **“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) **“Black people”** is a generic term which means Africans, Coloureds and Indians - (a) who are citizens of the Republic of South Africa by birth or descent; or (b) who became citizens of the Republic of South Africa by naturalisation - (i) before 27 April 1994; or (ii) on or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalisation prior to that date.
- (e) **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (f) **“Designated group”** means – black designated groups; black people; women; People with disabilities; black people living in rural and township areas; small enterprises, as defined in section 1 of National Small Enterprises Act, 1996 (Act No. 102 of 2005)
- (g) **“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;
- (h) **“functionality”** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- (i) **“People with Disabilities”** has the meaning assigned to it in section 1 of the Employment Equity Act, 1998 (Act No. 55 of 1998);
- (j) **“prices”** includes all applicable taxes less all unconditional discounts;
- (k) **“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;
- (l) **“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;
- (m) **“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
$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$	or	$P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$

Where

P_s = Points scored for price of bid under consideration

P_t = Price of bid under consideration

$P_{\min}$ = Price of lowest acceptable bid

4. BID DECLARATION

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

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

5.1 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.

6. SUB-CONTRACTING

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

(*Tick applicable box*)

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

6.1.1 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 or Number of Specified goals as per 1.3.1.2 of the sub-contractor.....

iv) Whether the sub-contractor is an EME or QSE

(*Tick applicable box*)

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

7. DECLARATION WITH REGARD TO COMPANY/FIRM

7.1 Name of company/firm:.....

7.2 VAT registration number:.....

7.3 Company registration number:.....

7.4 TYPE OF COMPANY/ FIRM

☐ Partnership/Joint Venture / Consortium

☐ One person business/sole propriety

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- ☐ Close corporation
- ☐ Company
- ☐ (Pty) Limited

[TICK APPLICABLE BOX]

7.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....

.....

7.6 COMPANY CLASSIFICATION

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

[TICK APPLICABLE BOX]

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

- 8. List all Shareholders by Name, Position, Identity Number, Citizenship, HDI status and ownership, as relevant. Information to be used to calculate the points claimed in paragraph 1.3.1.2.** All information must be filled in spaces provided. If additional space is required, additional sheets may be attached. The onus is on the bidder to fill in all the information. The full company composition is required including HDI and Non-HDI status. The ownership must accumulate to **100%**.

Name	Position occupying in Enterprise	ID Number	Date RSA Citizenship obtained	* HDI Status				% of business / enterprise owned
				No franchise prior to elections (Y / N)	Women (at least 51% owned) (Y / N)	Disabled (Y / N)	Youth (at least 51% owned) (Y / N)	

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Name	Position occupying in Enterprise	ID Number	Date RSA Citizenship obtained	* HDI Status				% of business / enterprise owned
				No franchise prior to elections (Y / N)	Women (at least 51% owned) (Y / N)	Disabled (Y / N)	Youth (at least 51% owned) (Y / N)	

*NOTE: Y - YES / N – NO

9. Consortium / Joint Venture

9.1 In the event that preference points are claimed for HDI members by consortia / joint ventures, the following information must be furnished in order to be entitled to the points claimed in respect of the HDI member:

Name of HDI member (to be consistent with paragraph 1.3.1.2)	Percentage (%) of the contract value managed or executed by the HDI member

9.2 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 Specified Goals claimed indicated in paragraphs 1.3.1.2 and 5.1 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 1.3.1.2 and 5.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the Specified Goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –

- (a) disqualify the person from the bidding process;
- (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
- (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
- (d) 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.

WITNESSES	
1.	
2.	

.....	
SIGNATURE(S) OF BIDDERS(S)	
DATE:	
ADDRESS	
.....	

MBD 6.2

7. MBD 6.2 DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

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

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 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.

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>No.</u>	<u>Description of services, works or goods</u>	<u>Unit (e.g. m2, m3, ton, etc)</u>	<u>Quantity</u>	<u>Stipulated minimum threshold</u>

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

(Tick applicable box)

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

- 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.

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.: RDM2024-004A

ISSUED BY: (Procurement Authority / Name of Institution): **DR RUTH SEGOMOTSI MOMPATI**
DISTRICT MUNICIPALITY

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
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:** _____

DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

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

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 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 A (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

3. General Conditions

- 3.1. Preferential Procurement Regulations, 2017 (Regulation 8) make provision for the promotion of local production and content.
- 3.2. 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.
- 3.3. 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.
- 3.4. 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.
- 3.5. 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.

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.

3.6. 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;

6. MBD 8 - DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

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

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

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME).....

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

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

.....

Signature

.....

Date

.....

Position

.....

Name of Bidder

7. MBD 9 - CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Municipal Bidding Document (MBD) must form part of all bids¹ invited.
- 2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3 Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
 - a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
- 4 This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 5 In order to give effect to the above, the attached Certificate of Bid Determination (SBD 9) must be completed and submitted with the bid:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of Institution)

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

I certify, on behalf of _____ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder.
6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
 - (f) bidding with the intention not to win the bid.

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

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

³ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

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

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

8. PROOF OF REGISTRATION ON THE NATIONAL TREASURY CENTRAL SUPPLIER DATABASE (CSD REPORT)

(ATTACH HERE)

9. VALID CIDB CERTIFICATE OF A TENDERER

(ATTACH HERE)

10. RESOLUTION FOR SIGNATORY

A: CERTIFICATE OF AUTHORITY FOR SIGNATORY

Signatory for companies shall confirm their authority hereto by attaching a duly signed and dated copy of the relevant resolution of the board of directors to this form or on company letter head.

An example is given below:

“By resolution of the board of directors passed at a meeting held on _____

Mr/Ms _____, whose signature appears below, has been duly authorised to

sign all documents in connection with the tender for Contract No. _____

and any Contract which may arise there from on behalf of (Block Capitals) _____

SIGNED ON BEHALF OF THE COMPANY: _____

IN HIS/HER CAPACITY AS: _____

DATE: _____

SIGNATURE OF SIGNATORY: _____

WITNESSES:

DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	

If you cannot complete this form, attach a separate sheet (in a company letter head, project specific and signed by all directors):

11. CERTIFICATE OF AUTHORITY FOR JOINT VENTURES

This Returnable Schedule is to be completed by joint ventures.		
We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorise Mr/Ms, authorised signatory of the company, acting in the capacity of lead partner, to sign all documents in connection with the tender offer and any contract resulting from it on our behalf.		
PROJECT TITLE	Appointment of a Panel of 6 Contractors – Repairs, Maintenance, Supply and Delivery of Pumps, Motors and Generators for Water and Sanitation Infrastructure for a Period of 36 Months (As and When Required)	
PROJECT NUMBER	RDM2024-004A	
NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner:		Signature. Name Designation.
.		Signature. Name Designation.
.		Signature. Name Designation.
.		Signature. Name Designation.

12. SCHEDULE OF PROPOSED SUBCONTRACTORS

PROJECT TITLE	Appointment of a Panel of 6 Contractors – Repairs, Maintenance, Supply and Delivery of Pumps, Motors and Generators for Water and Sanitation Infrastructure for a Period of 36 Months (As and When Required)
PROJECT NUMBER	RDM2024-004A

We notify you that it is our intention to employ the following Subcontractors for work in this contract. The Subcontractors will all be CIDB registered and their CIDB Registration number shall be submitted below. This should also be declared on **Preferential Procurement claim form**.

If we are awarded a contract we agree that this notification does not change the requirement for us to submit the names of proposed subcontractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us.

We confirm that all subcontractors who are or to be contracted are registered on Central Supplier Database (CSD).

No.	Name and address of proposed Subcontractor	Nature and extent of work	Year completed	Value	Contact details
1					
2					
3					
4					

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

No.	Name and address of proposed Subcontractor	Nature and extent of work	Year completed	Value	Contact details
5					

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct

Signed

Date

Name

Position

Enterprise name

13. BASELINE RISK ASSESSMENT

PROJECT TITLE	Appointment of a Panel of 6 Contractors – Repairs, Maintenance, Supply and Delivery of Pumps, Motors and Generators for Water and Sanitation Infrastructure for a Period of 36 Months (As and When Required)
PROJECT NUMBER	RDM2024-004A
PLEASE NOTE THAT THIS IS A BASELINE RISK ASSESSMENT OF A BROAD SCOPE OF WORKS AND NOT A DETAILED RISK ASSESSMENT OF ALL ANTICIPATED ACTIVITIES ON EACH SITE	

[illegible]

You can list all activities on a separate page to address this issue (the above table is just for reference purposes).

Signed

Date

Name

Position

Enterprise name

T2.3 SCHEDULE OF PARTICULARS / INFORMATION

Note:

1. This schedule must be completed for all items offered, stating where appropriate, the size or capacity of equipment, type or catalogue no, country of origin and any other detail considered necessary. Failure to comply with this requirement may render the tender invalid.
2. Information in amplification of that given below may be submitted in the form of a covering letter, published literature, etc.
3. Acceptance of a Tender, with this Schedule complete, does not relieve the Tenderer of the responsibility of complying with the Specification for the items listed.

A. LV CABLING AND ACCESSORIES

- (a) LV cabling manufacturer:
.....
- (b) Instrumentation cabling manufacturer:
- (c) Make and type of cable tray and fittings:
.....
- (d) Make of compression type termination kit:
.....
- (e) Type of through-joint kit:
.....
- (f) Delivery period:
.....

B. MOTOR CONTROL CENTRE (MCC) LV SWITCHGEAR AND CONTROL EQUIPMENT

- (g) Make of MCB's:
.....
- (h) Make and type of HMI controller:
.....
- (i) PLC:
 - (i) Make and type of CPU:
.....
 - (ii) I/O Module types:
.....
 - (iii) Comms Protocol to HMI:
.....
- (j) Make and type of power analyzer:
.....

C. VARIABLE SPEED DRIVES (VSD's)

- (k) Manufacturer:
.....
- (l) Type:
.....
- (m) Comms protocol to PLC / HMI / telemetry:
.....

D. SOFT STARTERS

- (n) Manufacturer:
.....
- (o) Type:
.....
- (p) Comms protocol to PLC / HMI / telemetry:
.....

E. TRANSDUCERS

- (q) Make and Type of Ultrasonic Sensor:
.....
- (r) Make and Type of Submersible Pressure Sensors:
.....
- (s) Make and Type of Float Switches:
.....

F. GENERATOR EQUIPMENT

- (t) Make and Type of Engine:
- (i) 50 kVA (40 kWe):
.....
 - (ii) 100 kVA (80 kWe):
.....
 - (iii) 150 kVA (120 kWe):
.....
 - (iv) 200 kVA (160 kWe):
.....
 - (v) 300 kVA (240 kWe):
.....
 - (vi) 400 kVA (320 kWe):
.....
- (u) Make and Type of Alternator:
- (i) 50 kVA (40 kWe):
.....

- (ii) 100 kVA (80 kWe):
.....
- (iii) 150 kVA (120 kWe):
.....
- (iv) 200 kVA (160 kWe):
.....
- (v) 300 kVA (240 kWe):
.....
- (vi) 400 kVA (320 kWe):
.....

- (v) Battery:
 - (i) Manufacturer:
 - (ii) Capacity and Voltage:
.....

- (w) Control / Change Over Panel
 - (i) Manufacturer:
 - (ii) Make and type of Genset Controller:
.....
 - (iii) Make and type of change-over switch:
.....

G. PUMPS

- (x) Make and Type of Self-Priming Pumps (All sizes):
.....
.....
- (y) Make and Type of Centrifugal Pumps (All sizes):
.....
.....
- (z) Make and Type of Sewage Submersible Pumps (All sizes):
.....
.....
- (aa) Make and Type of Borehole Submersible Pumps (All sizes):

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

(bb) Make and Type of Lime Dosing Pump:

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

H. ELECTRIC MOTORS

(cc) Make and Type of 2-pole Electric Motor (All sizes):

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

(dd) Make and Type of 4-pole Electric Motor (All sizes):

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

(ee) Make and Type of 6-pole Electric Motor (All sizes):

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

I. MAINTENANCE AND REPAIR

(ff) Location of Nearest Permanent Office:

.....

(gg) Guaranteed Maximum Response Time to:

(i) Normal Work Instruction:

.....

(ii) Emergency Work Instruction:

.....

(hh) * Name and Experience of Maintenance Team Supervisor:

.....

(ii) * Name and Experience of proposed Technician on maintenance team:
.....

(jj) * Name and Experience of proposed Diesel Mechanic on maintenance team:
.....
.....

* Tenderer to attach list of all the above-mentioned proposed technical employees the Tenderer intends using on the project. The list must clearly state for each staff member, their name, surname, ID, qualifications and relevant trade test / registration certificates, experience, level of training and the number of years employed by the Tenderer.

J. GENERAL

The following information must be submitted by the Tenderer:

(kk) Name of MCC Panel Manufacturer:
.....
.....
.....

(ll) Name of Sub-Contractor to undertake generator installation:
.....
.....
.....

(mm) Name of and experience of Supervisor in Item (b) above:
.....
.....
.....

Name of Tenderer:
.....

Signed on behalf of tenderer:

Date:

The Contract

C1 Agreements and Contract Data

C1.1 FORM OF OFFER AND ACCEPTANCE

Note: 1 This form of offer and acceptance is identical to that contained in Annex F of SANS 10845 - 1: Construction Procurement Processes, Procedures and Methods.
2 SAICE's Practice Manual #1, The use of South African National Standards in Construction Procurement, provides guidance on the formulation of the wording for the actual offer where it is not based on the offered total of prices.

OFFER

The employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of:

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

The tenderer, identified in the offer signature block, has examined the documents listed in the tender data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of tender.

By the representative of the tenderer, deemed to be duly authorized, signing this part of this form of offer and acceptance, the tenderer offers to perform all of the obligations and liabilities of the contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the contract data.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS

.....
.....
.....
.....
.....Rand (in words);

R.....
..... (in figures) (or other suitable wording)

This offer may be accepted by the employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the tenderer before the end of the period of validity stated in the tender data, whereupon the tenderer becomes the party named as the contractor in the conditions of contract identified in the contract data.

Signature

Date:

.....
.....

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

Name _____

Capacity _____

**For the
tenderer:** _____

*(Insert name and address of
organisation)*

Name &
signature
of witness _____

Date _____

ACCEPTANCE

By signing this part of this Form of Offer and Acceptance, the *Employer* identified below accepts the tenderer's Offer. In consideration thereof, the *Employer* shall pay the Consultant the amount due in accordance with the *conditions of contract* identified in the Contract Data. Acceptance of the tenderer's Offer (as it only relates to **rates**, provisional sums, prime cost amounts, fixed amounts, compensation, expenses and activities) shall form an agreement between the *Employer* and the tenderer upon the terms and conditions contained in this project and any contract signed is the subject to the conditions of the project.

The terms of the contract, are contained in:

Part C1 Agreements and Contract Data, (which includes this Form of Offer and Acceptance)

Part C2 Pricing Data

Part C3 Scope of Work

Part C4 Site information and drawings and documents (or parts thereof), which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Returnable Schedules as well as any changes to the terms of the Offer agreed by the tenderer and the *Employer* during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Form of Offer and Acceptance. No amendments to or deviations from said documents are valid unless contained in this Schedule.

The tenderer shall within two weeks of receiving a completed copy of this agreement, including the Schedule of Deviations (if any), contact the *Employer's* agent (whose details are given in the Contract Data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the *conditions of contract* identified in the Contract Data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed original copy of this document, including the Schedule of Deviations (if any). Unless the tenderer (now *Contractor*) within five working days of the date of such receipt notifies the *Employer* in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the Parties.

Signature: _____

Date: _____

Name(s):

Capacity: Municipal Manager

For the Employer: Dr Ruth Segomotsi Mompoti District Municipality

Name and Address of the employer: 34 Church Street, Vryburg, 8600

Schedule of Deviations

1 Subject

Details

.....

.....

.....

2 Subject

Details

.....

.....

.....

3 Subject

Details

.....

.....

.....

4 Subject

Details

.....

.....

.....

5 Subject

Details

.....

.....

.....

By the duly authorised representatives signing this agreement, the *Employer* and the Tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the Tender Data and addenda thereto as listed in the returnable schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the Tenderer and the *Employer* during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

PART C2: PRICING DATA

INDEX

C2.1 Pricing Instructions

C2.2 Schedule of Quantities

C2.1 PRICING INSTRUCTIONS

- 1) Bills of Quantities covering broad scope of work is attached. The Contractor is expected to price each item provided, except where instructed otherwise. The rates provided by the bidder will be verified for their reasonableness. The employer reserves the right to adjust the final prices once the tenderer has been found to have complied with other tender conditions.

C2.2 PRICING SCHEDULE / BILLS OF QUANTITIES

- 2) The rates and prices offered by the tenderer must be physically written into the pricing schedule or Bills of Quantities of this tender document, completed in full and signed. Failure to do so could disqualify the tender.
- 3) All items in the Pricing Schedule / Bills of Quantities must be priced, subject to the following: a) Where pricing for any item is intentionally included in the rate or Price of another item, this must always be clearly indicated so and cross-referenced to the item in question in the Pricing Schedule / Bills of Quantities. Tenders showing unpriced items without due reference to where the omitted prices are included in other items in the Pricing Schedule / Bills of Quantities, could result in the disqualification of the tender.
- 4) Summarising parts or sections of the Pricing Schedule / Bills of Quantities into single lump sums or rates without providing the breakdown of pricing of items as per the Pricing Schedule / Bills of Quantities is not acceptable and could result in disqualification of the tender.
- 5) Where an item is encountered against which no Price or Rate is entered and it can be reasonably attributed to error on the part of the tenderer that item will be treated as covered by other Prices or rates in the Pricing Schedule/Bills of Quantities.
- 6) Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words will govern. **CIDB** inform practice notes (#5) on procedures of dealing with errors and discrepancies will apply.
- 7) Where there is an error in the line items total resulting from the product of the unit rate, the rate shall govern and the line-item total shall be corrected. **CIDB** inform practice notes (#5) on procedures of dealing with errors and discrepancies will apply.
- 8) For the purposes of this Bill of Quantities, the following words shall have the meanings hereby assigned to them:

Unit	:	The unit of measurement for each item of work as defined in the Standardized, Project or Particular Specifications
Quantity	:	The number of units of work for each item
Rate	:	The payment per unit of work at which the Tenderer tenders to do the work
Amount	:	The quantity of an item multiplied by the tendered rate of the (same) item
Sum	:	An amount tendered for an item, the extent of which is described in the Bill of Quantities, the Specifications or elsewhere, but of which the quantity of work is not measured in units

- 9) The units of measurement indicated in the Bill of Quantities are metric units. The following abbreviations may appear in the Bill of Quantities:

mm	=	millimetre
m	=	metre

km	=	kilometre
km-pass	=	kilometre-pass
m ²	=	square metre
m ² -pass	=	square metre-pass
ha	=	hectare
m ³	=	cubic metre
m ³ -km	=	cubic metre-kilometre
kW	=	kilowatt
kN	=	kilonewton
kg	=	kilogram
t	=	ton (1 000 kg)
%	=	per cent
MN	=	meganeutron
MN-m	=	meganeutron-metre
Sum	=	Sum
PC Sum	=	Prime Cost Sum
Prov Sum	=	Provisional Sum

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>NOTES:</u>				
(i)	All rates must be exclusive of VAT.				
(ii)	All quantities are provisional and are for comparative purposes only and do not describe the final extent of the work.				
(iii)	CPA will be applicable to this tender.				
(iv)	This is a rate-based tender.				
<u>A1.0</u>	<u>GENERAL</u>				
A1.1	Allow for Public Liability Insurance up to R10 000 000 per annum	Sum	1		
A1.2	Provision of Performance Bond to the value of:				
A1.2.1	R500 000	Sum	R / O		
A1.3	Allow for <u>annual</u> premium costs incurred for insurances as required in terms of the contract.	Sum	1		
A1.4	Allow for <u>annual</u> cost incurred for compliance with the requirements of the OHS Act construction regulations.	Sum	1		
	<u>Cost of Workshop</u>				
A1.5	Cost for workshop (including running costs per month)	Month	1		
<u>A2.0</u>	<u>LABOUR AND TRANSPORT RATES</u>				
A2.1	Labour, Normal Time:				
A2.1.1	Health and Safety Officer	Hour	1		
A2.1.2	Technician (Supervisor)	Hour	1		
A2.1.3	Electrician	Hour	1		
A2.1.4	Semi-skilled labourer	Hour	1		
A2.1.5	Labourer	Hour	1		
A2.2	Labour, Overtime (including weekends and Public holidays):				
A2.2.1	Technician	Hour	1		
A2.2.2	Electrician	Hour	1		
A2.2.3	Semi-skilled Labourer	Hour	1		
A2.2.4	Labourer	Hour	1		
A2.3	Transport:				
A2.3.2	1 Ton LDV	km	1		
A2.3.3	10 Ton Crane Truck	Hour	1		
A2.3.4	JCB type Backhoe Loader	Hour	1		
A2.3.5	6m ³ Tipper Truck	Hour	1		
A2.3.6	Honey sucker 8000-10 000 litres	Hour	1		
A2.3.7	Compressor with capacity of 125 cfm	Hour	1		
A2.3.8	Waterpump with 40 mm outlet (diesel driven)	Hour	1		
<u>A3.0</u>	<u>MATERIAL AND LABOUR</u>				
A3.1	Percentage mark-up on the nett cost of unscheduled items of material and labour from external specialist supplier / firms to the value of R 500 000. (Note this is for evaluation purposes only) Only in the event of sole supplier and specialists required.	Prov. Sum			R 500 000.00
A3.2	Accommodation and Subsistence per Person.	day	60		
A3.3	Percentage mark-up on the nett cost of unscheduled items of material and labour from external specialist supplier / firm.	%			
	<u>TOTAL SCHEDULE B CARRIED FORWARD TO NEXT PAGE</u>				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE B BROUGHT FORWARD</u>				
A4.0	<u>MISCELLANEOUS</u>				
A4.1	Lump sum allowance for any items not included in this schedule necessary to complete the installation in accordance with the specification and drawings. Brief description of such items to be entered hereunder.	Sum	1		
A5.0	<u>ELECTRICAL - GENERAL</u>				
A5.1	Test the complete electrical works and issue a Certificate of Compliance (CoC) by an applicable Certified and Registered Electrical Person	Sum	1		
A5.2	Payments to ESKOM in respect of electrical connection fees for borehole equipment	Sum	1		
A6.0	<u>ELECTRICAL - TRENCHING & EARTHWORKS</u>				
	Trenching (450mm Width by 1500mm Depth for LV Cables)				
A6.1	Hand pickable soil (soft soil)	m ³	1		
A6.2	Machine Excavation (soft rock)	m ³	1		
A6.3	Hard Rock (Hydraulic Breakers, Blasting)	m ³	1		
A6.4	Backfilling and compaction to 90% Mod AASHTO Density	m ³	1		
A6.5	Sifting of local soil for bedding of the cables	m ³	1		
A6.6	Import soil for bedding of cables	m ³	1		
	<u>TOTAL SCHEDULE A CARRIED FORWARD TO PRICE SUMMARY</u>				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	NOTES:				
(i)	All rates must be exclusive of VAT.				
(ii)	All quantities are provisional and are for comparative purposes only and do not describe the final extent of the work.				
(iii)	CPA will be applicable to this tender.				
(iv)	This is a rate-based tender.				
B1.0	EQUIPMENT				
B1.1	Generating set with residential type exhaust silencing system complete as specified, including delivery to site and rigging into position inside roofed building:				
B1.1.1	50 kVA (40 kWe)	Item	1		
B1.1.2	100 kVA (80 kWe)	Item	1		
B1.1.3	150 kVA (120 kWe)	Item	1		
B1.1.4	200 kVA (160 kWe)	Item	1		
B1.1.5	300 kVA (240 kWe)	Item	1		
B1.1.6	400 kVA (320 kWe)	Item	1		
B1.1.7	550 kVA (440 kWe)	Item	1		
B1.2	Weatherproof, 3CR12, canopy type enclosure for generating set mentioned in Item B1.1 above with sound output level of 80 dB @ 7m, including all sound attenuating louvres, padding, etc required.				
B1.2.1	50 kVA (40 kWe)	Item	1		
B1.2.2	100 kVA (80 kWe)	Item	1		
B1.2.3	160 kVA (128 kWe)	Item	1		
B1.2.4	200 kVA (160 kWe)	Item	1		
B1.2.5	300 kVA (240 kWe)	Item	1		
B1.2.6	400 kVA (320 kWe)	Item	1		
B1.2.7	550 kVA (440 kWe)	Item	1		
B1.3	Generator control / change-over panel complete as specified, excluding kVA / kWh consumption meter measured elsewhere for:				
B1.3.1	50 kVA (40 kWe)	Item	1		
B1.3.2	100 kVA (80 kWe)	Item	1		
B1.3.3	150 kVA (120 kWe)	Item	1		
B1.3.4	200 kVA (160 kWe)	Item	1		
B1.3.5	300 kVA (240 kWe)	Item	1		
B1.3.6	400 kVA (320 kWe)	Item	1		
B1.3.7	550 kVA (440 kWe)	Item	1		
B1.4	Day tank with 12 hour diesel storage capacity including drip tray and interconnecting pipework, etc for:				
B1.4.1	50 kVA (40 kWe)	Item	1		
B1.4.2	100 kVA (80 kWe)	Item	1		
B1.4.3	150 kVA (120 kWe)	Item	1		
B1.4.4	200 kVA (160 kWe)	Item	1		
B1.4.5	300 kVA (240 kWe)	Item	1		
B1.4.6	400 kVA (320 kWe)	Item	1		
B1.4.7	550 kVA (440 kWe)	Item	1		
	TOTAL SCHEDULE B CARRIED FORWARD TO NEXT PAGE				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE B BROUGHT FORWARD</u>				
B1.5	Self priming electrically operated pump for automatically filling of indoor day tank.	Sum	1		
B1.6	Supply, install and connect Wica diesel type, 0 to 1m, pressure transmitter complete with 15 m of instrumentation cable, including isolating ball valve, etc on day tank inside generator room.	Sum	1		
B1.7	Earthing of new generator equipment, including 2 x 4,5m earth spikes and ± 30 metres of 70 mm2 Cu bare conductor, lugs, etc.	Sum	1		
B1.8	Interconnecting and interfacing of generator controls, diesel level sensor, etc to telemetry equipment supplied by others, including liaison with Telemetry Contractor to ensure correct operation of remote monitoring of the generator set.	Sum	1		
<u>B2.0</u>	<u>MISCELLANEOUS</u>				
B2.1	Supply and install replacement generator starter battery:				
B2.1.1	12V, 102Ah	Sum	1		
	<u>TOTAL SCHEDULE B CARRIED FORWARD TO PRICE SUMMARY</u>				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

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				RATE	TOTAL
	NOTES:				
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C1.0	CONTROL CUBICLES				
	Tenders to price each control / equipment cubicle separately in accordance with the typical items of equipment to be installed inside same as indicated in the Specification. Allowance shall be made for all busbars, wiring, cut-outs, etc required, as well as for the necessary 304 stainless steel cladding / enclosure				
C1.1	Supply and install typical incomer compartment cubicle, excl kWh meter but complete with power analyser, surge arrestors, busbars, etc. with both main incoming and generator MCB's rated at:				
C1.1.1	60A @ 10 kA	Sum	1		
C1.1.2	100A @ 15 kA	Sum	1		
C1.1.3	150A @ 15 kA	Sum	1		
C1.1.4	250A @ 25 kA	Sum	1		
C1.1.5	300A @ 25 kA	Sum	1		
C1.1.6	300 to 630A @ 50 kA (adjustable type)	Sum	1		
C1.2	Single pump control compartment complete with typical control gear, alarm / status indicator lamps, telemetry I/O, etc as specified, but excl pump motor drive (i.e. VSD / Soft Starter) measured elsewhere for:				
C1.2.1	3 kW pump	Sum	1		
C1.2.2	7,5 kW pump	Sum	1		
C1.2.3	15 kW pump	Sum	1		
C1.2.4	30 kW pump	Sum	1		
C1.2.5	55 kW pump	Sum	1		
C1.2.6	90 kW pump	Sum	1		
C1.2.7	132 kW pump	Sum	1		
C1.2.8	315 kW pump	Sum	1		
C1.3	Single mixer control compartment complete with typical control gear, alarm / status indicator lamps, telemetry I/O, etc as specified, but excl pump motor drive (i.e. VSD / Soft Starter) measured elsewhere for:				
C1.3.1	1.1 kW mixer	Sum	1		
C1.3.2	3 kW mixer	Sum	1		
C1.4	Single mixer control compartment complete with typical control gear, alarm / status indicator lamps, telemetry I/O, etc as specified, but excl mixer motor drive (i.e. VSD / soft starters) measured elsewhere for:				
C1.4.1	1.1 kW mixer	Sum	1		
C1.4.2	3 kW mixer	Sum	1		
	TOTAL SCHEDULE C CARRIED FORWARD TO NEXT PAGE				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	TOTAL SCHEDULE C BROUGHT FORWARD				
C1.5	Single mechanical screen control compartment complete with typical control gear, alarm / status indicator lamps, telemetry I/O, etc as specified, but excl screen motor drive (i.e. VSD / soft starters) measured elsewhere for:				
C1.5.1	1.1 kW screen	Sum	1		
C1.5.2	3 kW screen	Sum	1		
C1.6	Single screw conveyor screen control compartment complete with typical control gear, alarm / status indicator lamps, telemetry I/O, etc as specified, but excl motor drive (i.e. VSD / soft starters) measured elsewhere for:				
C1.6.1	1.1 kW screw conveyor	Sum	1		
C1.6.2	3 kW screw conveyor	Sum	1		
C1.7	Single lime dosing control compartment complete with typical control gear, alarm / status indicator lamps, telemetry I/O, etc as specified, but excl motor drive (i.e. VSD / soft starters) measured elsewhere for:				
C1.7.1	0,75 kW lime dosing unit	Sum	1		
C1.8	Single PLC / HMI control compartment complete with Delta type PLC and HMI equipment, I/O and communication cards, etc as specified with sufficient I/O modules to cater for:				
C1.8.1	50 x DIN, 10 x DOT, 5 x AIN	Sum	1		
C1.8.2	100 x DIN, 10 x DOT, 5 x AIN	Sum	1		
C1.8.3	150 x DIN, 20 x DOT, 10 x AIN	Sum	1		
C1.9	Single spare compartment with backplate for mounting of telemetry / future equipment.	Sum	1		
C1.10	HMI / PLC software programming including implementation of Client / Engineer specific requirements regarding HMI security and control setup, as well as checking and verifying all other control functions for implementing typical control philosophy described in specification for:				
C1.10.1	Pump	Sum	1		
C1.10.2	Mixer	Sum	1		
C1.10.3	Mechanical screen	Sum	1		
C1.10.4	Screw Conveyor	Sum	1		
C1.10.5	Lime dosing	Sum	1		
C1.11	Supply and install VSD similar or approved type inside new Motor Control Panel cubicles for:				
C1.11.4	7,5 kW motor	Item	1		
C1.11.5	15 kW motor	Item	1		
C1.11.6	30 kW motor	Item	1		
C1.11.7	55 kW motor	Item	1		
C1.11.8	90 kW motor	Item	1		
C1.11.9	132 kW motor	Item	1		
C1.11.10	315 kW motor	Item	1		
	TOTAL SCHEDULE C CARRIED FORWARD TO NEXT PAGE				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE C BROUGHT FORWARD</u>				
C1.12	Supply and install soft starter equipment similar or approved equal to Weg type inside new Motor Control Panel cubicles for:				
C1.12.3	3 kW motor	Item	1		
C1.12.4	7,5 kW motor	Item	1		
C1.12.5	15 kW motor	Item	1		
C1.12.6	30 kW motor	Item	1		
C1.12.7	55 kW motor	Item	1		
C1.12.8	90 kW motor	Item	1		
C1.12.9	132 kW motor	Item	1		
C1.12.10	260 kW motor	Item	1		
C1.13	Spare set of three ultra-rapid fuses for all VSD / Soft Starter equipment installed in MCC panel measured elsewhere.				
C1.13.1	0,75 kW motor	Item	1		
C1.13.2	1,1 kW motor	Item	1		
C1.13.3	3 kW motor	Item	1		
C1.13.4	7,5 kW motor	Item	1		
C1.13.5	15 kW motor	Item	1		
C1.13.6	30 kW motor	Item	1		
C1.13.7	55 kW motor	Item	1		
C1.13.8	90 kW motor	Item	1		
C1.13.9	132 kW motor	Item	1		
C1.13.10	260 kW motor	Item	1		
C1.15	Moulded case circuit breaker complete with interconnecting tails, etc. installed inside MCC Panel, kiosk, etc:				
C1.15.1	300 to 630A @ 50 kA (TP, adjustable type)	No.	1		
C1.15.2	300A @ 25 kA (TP)	No.	1		
C1.15.3	250A @ 25 kA (TP)	No.	1		
C1.15.4	150A @ 15 kA (TP)	No.	1		
C1.15.5	100A @ 10 kA (TP)	No.	1		
C1.15.6	80A @ 10 kA (TP)	No.	1		
C1.15.7	63A @ 10 kA (TP)	No.	1		
C1.15.8	40A @ 10 kA (TP)	No.	1		
C1.15.9	20A @ 10 kA (TP)	No.	1		
C1.15.10	80A @ 10 kA (SP)	No.	1		
C1.15.11	63A @ 10 kA (SP)	No.	1		
C1.15.12	40A @ 10 kA (SP)	No.	1		
C1.15.13	20A @ 10 kA (SP)	No.	1		
C1.15.14	63A E/L Unit (3P + N)	No.	1		
C1.15.15	63A E/L Unit (1P + N)	No.	1		
	<u>TOTAL SCHEDULE C CARRIED FORWARD TO PRICE SUMMARY</u>				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	NOTES:				
(i)	All rates must be exclusive of VAT.				
(ii)	All quantities are provisional and are for comparative purposes only and do not describe the final extent of the work.				
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(iv)	This is a rate-based tender.				
D1.0	<u>ELECTRICAL INSTALLATION</u>				
D1.1	Trenching by hand for LV cable / sleeve, 400 mm wide x 700 mm deep, including backfilling and compaction:				
D1.1.1	Soft pickable soil	m	1		
D1.1.2	Soft Rock	m	1		
D1.1.3	Hard rock	m	1		
D1.1.4	Imported backfill material from off-site source.	m3	1		
D1.1.5	Disposal of surplus or unsuitable material including haulage up to 10 km from site.	m3	1		
D1.1.6	Break-up and re-instate paving along cable route after installation of sleeve.	m	1		
D1.2	Supply and install LV, PVCAS cable in trench / sleeve / cable tray measured elsewhere:				
D1.2.1	120 mm ² Cu x 4 Core	m	1		
D1.2.2	95 mm ² Cu x 4 Core	m	1		
D1.2.3	70 mm ² Cu x 4 Core	m	1		
D1.2.4	50 mm ² Cu x 4 Core	m	1		
D1.2.5	35 mm ² Cu x 4 Core	m	1		
D1.2.6	25 mm ² Cu x 4 Core	m	1		
D1.2.7	16 mm ² Cu x 4 Core	m	1		
D1.2.8	10 mm ² Cu x 4 Core	m	1		
D1.2.9	6 mm ² Cu x 4 Core	m	1		
D1.2.10	4 mm ² Cu x 4 Core	m	1		
D1.2.11	2,5 mm ² Cu x 4 Core	m	1		
D1.2.12	1,5 mm ² Cu x 4 Core	m	1		
D1.3	Duracast resin through joint in LV, PVCAS cable measured elsewhere:				
D1.3.1	120 mm ² Cu x 4 Core	No.	1		
D1.3.2	95 mm ² Cu x 4 Core	No.	1		
D1.3.3	70 mm ² Cu x 4 Core	No.	1		
D1.3.4	50 mm ² Cu x 4 Core	No.	1		
D1.3.5	35 mm ² Cu x 4 Core	No.	1		
D1.3.6	25 mm ² Cu x 4 Core	No.	1		
D1.3.7	16 mm ² Cu x 4 Core	No.	1		
D1.3.8	10 mm ² Cu x 4 Core	No.	1		
D1.3.9	6 mm ² Cu x 4 Core	No.	1		
D1.3.10	4 mm ² Cu x 4 Core	No.	1		
D1.3.11	2,5 mm ² Cu x 4 Core	No.	1		
	<u>TOTAL SCHEDULE D CARRIED FORWARD TO NEXT PAGE</u>				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE D BROUGHT FORWARD</u>				
D1.3.12	1,5 mm ² Cu x 4 Core	No.	1		
D1.4	Terminate and connect LV, PVCAS cables at kiosk / MCC panel / motors / equipment using brass cable gland, brass locknut, neoprene rubber shroud and crimp lugs:				
D1.4.1	120 mm ² Cu x 4 Core	No.	1		
D1.4.2	95 mm ² Cu x 4 Core	No.	1		
D1.4.3	70 mm ² Cu x 4 Core	No.	1		
D1.4.4	50 mm ² Cu x 4 Core	No.	1		
D1.4.5	35 mm ² Cu x 4 Core	No.	1		
D1.4.6	25 mm ² Cu x 4 Core	No.	1		
D1.4.7	16 mm ² Cu x 4 Core	No.	1		
D1.4.8	10 mm ² Cu x 4 Core	No.	1		
D1.4.9	6 mm ² Cu x 4 Core	No.	1		
D1.4.10	4 mm ² Cu x 4 Core	No.	1		
D1.4.11	2,5 mm ² Cu x 4 Core	No.	1		
D1.4.12	1,5 mm ² Cu x 4 Core	No.	1		
D1.5	Terminate and connect overall screened, steel wire armoured, twisted pair type instrumentation cables at MCC panel / equipment / remote E-stop stations / pratley or termination box using brass cable gland, brass locknut, neoprene rubber shroud and crimp lugs:				
D1.5.1	1,5 mm ² x 1 Pair	No.	1		
D1.5.2	1,5 mm ² x 4 Pair	No.	1		
D1.5.3	1,5 mm ² x 8 Pair	No.	1		
D1.5.4	Terminate and connect instrumentation cables supplied with pressure / flow sensors, no flow / float switches, PT 100 sensors, etc at MCC panel / junction box using compression type glands and crimp lugs.	Sum	1		
D1.5.5	HD bare copper earth wire laid in trench / sleeve /cable tray:				
D1.5.6	50mm ²	m	1		
D1.5.7	35mm ²	m	1		
D1.5.8	25mm ²	m	1		
D1.5.9	16mm ²	m	1		
D1.5.10	6mm ²	m	1		
D1.5.11	4mm ²	m	1		
D1.6	Hard drawn bare copper earth wire terminated at kiosk / MCC panel / pump motor / pratley or termination box.				
D1.6.1	50mm ²	No.	1		
D1.6.2	35mm ²	No.	1		
D1.6.3	25mm ²	No.	1		
D1.6.4	16mm ²	No.	1		
D1.6.5	6mm ²	No.	1		
D1.6.6	4mm ²	No.	1		
	<u>TOTAL SCHEDULE D CARRIED FORWARD TO NEXT PAGE</u>				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE D BROUGHT FORWARD</u>				
D1.7	Main AMF / MCC earth consisting of approx 30 metre length of 70mm ² PVC bare copper conductor installed in trench, 2 x 4,5 metre long earth spikes and 2 x earth spike markers.	Sum	1		
D1.8	Galvanised steel conduit saddled to pumpstation ceiling / wall / roof purlins, etc. Item to include for all saddles, adapters etc required.				
D1.8.1	40 mm Ø	m	1		
D1.8.2	32 mm Ø	m	1		
D1.8.3	25 mm Ø	m	1		
D1.8.4	20 mm Ø	m	1		
D1.9	PVC conduit saddled to pumpstation ceiling / wall / roof purlins, etc. Item to include for all saddles, adapters etc required.				
D1.9.1	75 mm Ø	m	1		
D1.9.2	50 mm Ø	m	1		
D1.9.3	40 mm Ø	m	1		
D1.9.4	32 mm Ø	m	1		
D1.9.5	25 mm Ø	m	1		
D1.9.6	20 mm Ø	m	1		
D1.10	Surface mounted conduit boxes complete with covers and including fixing screws, etc:				
D1.10.1	100 x 50 mm PVC boxes	No.	1		
D1.10.2	65mm Diameter PVC round box	No.	1		
D1.10.3	100 x 50 mm galvanised steel boxes	No.	1		
D1.11	Surface mounted, weather and vandalproof instrumentation junction boxes rated IP 65 minimum, complete with all terminals, connectors, etc for all cable / conduit terminations as required for connection of:				
D1.11.1	Typical pump (i.e. flow switch, PT 100's, Klixon's, etc	No.	1		
D1.11.2	Typical Mixer (seal fail, Klixon's, etc)	No.	1		
D1.11.3	Typical Screen (over torque, etc)	No.	1		
D1.11.4	Sump (ultrasonic sensor, float switches, etc)	No.	1		
D1.12	Three way, IP 68 EZEE-FIT Ex n Pratley No. 0 Instrumentation cable box, complete with Kwikblok mountings, Kwikblocks, etc.	Item	1		
D1.13	600 / 1000 V PVC insulated copper conductors wiring drawn into conduit / cable tray, including terminations, etc. (Conduit / cable tray measured elsewhere):				
D1.13.1	4 mm ²	m	1		
D1.13.2	2,5 mm ²	m	1		
D1.14	Supply and install Matelec type rotatable weatherproof switches in flush mounted boxes:				
D1.14.1	One way	No.	1		
D1.14.2	Two way	No.	1		
D1.15	Light fittings surface mounted to wall / ceiling, etc including all galvanised steel screws, grommets, lamps, tubes, etc.:				
	<u>TOTAL SCHEDULE D CARRIED FORWARD TO NEXT PAGE</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE D BROUGHT FORWARD</u>				
D1.15.1	IP 65, enclosed fluorescent type luminaire similar or approved equal to the Lascon Corolite 10N type with 2 x 58W lamps equal to Bkanova type.	No.	1		
D1.16	Surface mounted 16 Amp 3-pin weatherproof switch socket outlet:				
D1.16.1	Double socket outlet	No.	1		
D1.17	Hot dipped galvanised steel <u>mesh</u> cable tray installed against wall / floor. Item to include all brackets, stainless steel mounting screws / bolts required:				
D1.17.1	400mm wide	m	1		
D1.17.2	200mm wide	m	1		
D1.17.3	100mm wide	m	1		
D1.17.4	50mm wide	m	1		
D1.18	Labelling of all cables.	Sum	1		
	<u>TOTAL SCHEDULE D CARRIED FORWARD TO PRICE SUMMARY</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	NOTES:				
(i)	All rates must be exclusive of VAT.				
(ii)	All quantities are provisional and are for comparative purposes only and do not describe the final extent of the work.				
(iii)	CPA will be applicable to this tender.				
(iv)	This is a rate-based tender.				
E1.0	LEVEL SENSORS				
E1.1	Supply, install and connect high / low level float switches, similar or equal to Flygt ENM-6 type inside pump chamber complete with 15m of trailing cable.	Sum	1		
E1.2	Supply, install and connect Wica type or similar, submersible pressure transducer (0 to 5 m) complete with 10 m of instrumentation cable inside sewage sump / reservoir. Item to include for 3 off stainless steel unistrut type mounting brackets with K-type clamps and +- 50 mm diameter protective PVC pipe.	Sum	1		
E1.3	Supply, install and connect Wica type or similar, submersible pressure transducer (0 - 150m) complete with 1500m of instrumentation cable inside borehole. Item to include for ± 1500m of ± 50 mm diameter protective HDPE Pipe, including all mounting brackets, etc required.	Sum	1		
E1.4	Supply, install and connect Wica type or similar, 0 to 15 bar, pressure transmitter complete with 10 m of instrumentation cable, including isolating ball valve, etc on pipeline inside pumpstation.	Sum	1		
E1.5	Supply, install and connect Mobrey type or similar, 0 to 5m, ultrasonic level / flow monitoring transducer complete with 10 m of instrumentation cable, including stainless steel mounting brackets assemblies and sensor head inside sump / reservoir.	Sum	1		
E1.6	Supply and install Mobrey MCU901WX-A type controller or similar inside MCC panel, etc.	Sum	1		
E2.0	FLOW METERS				
E2.1	Supply and install new <u>24 / 220 V AC</u> , PN10 rated in-line, full bore, double flanged electromagnetic type flow meter and display similar or equal to Siemens Magflow type, complete as specified including all setting up, calibration, etc of nominal internal diam size:				
E2.1.1	DN80	Item	1		
E2.1.2	DN100	Item	1		
E2.1.4	DN150	Item	1		
E2.1.5	DN200	Item	1		
E2.1.6	DN250	Item	1		
E2.1.6	DN300	Item	1		
E2.2	Supply and install new <u>battery powered</u> , PN10 rated in-line, full bore, double flanged electromagnetic type flow meter and display similar or equal to Flowmetrix Batmag type, complete as specified including all setting up, calibration, etc of nominal internal diam size:				
E2.2.1	DN80	Item	1		
	TOTAL SCHEDULE E CARRIED FORWARD TO NEXT PAGE				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE E BROUGHT FORWARD</u>				
E2.2.2	DN100	Item	1		
E2.2.4	DN150	Item	1		
E2.2.5	DN200	Item	1		
E2.2.6	DN250	Item	1		
E2.2.7	DN300	Item	1		
E2.3	Supply and install new IP67 rated ultrasonic clamp on type flow meter and display similar or equal to the Siemens Sitrans type, complete as specified including all setting up, calibration, etc.	Item	1		
E2.4	Liasion with Municipality for the interfacing and enabling of the new flowmeter onto the telemetry system.	Sum	1		
<u>E3.0</u>	<u>MISCELLANEOUS</u>				
E3.1	Supply, install and connect IP 65 microswitch limit type flow monitoring switches on counterweights on non-return valve arm attachments, including stainless steel mounting brackets, etc.	Sum	1		
E3.2	Start / Stop / Emergency Stop push button station, hot dipped galvanised 1 200 mm x 100 mm x 50 mm E3.2 channel iron and base plate support assembly, etc	Sum	1		
E3.3	Supply and install 9 kg dry powder Fire Extinguisher.	Sum	1		
E3.4	Safety sign and notices complete as specified.	Sum	1		
E3.5	Supply and install municipal type padlocks on building / equipment.	Sum	1		
	<u>TOTAL SCHEDULE E CARRIED FORWARD TO PRICE SUMMARY</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>NOTES:</u>				
(i)	All rates must be exclusive of VAT.				
(ii)	All quantities are provisional and are for comparative purposes only and do not describe the final extent of the work.				
(iii)	CPA will be applicable to this tender.				
(iv)	This is a rate-based tender.				
	<u>RAW WATER PUMPS</u>				
<u>F2.0</u>	<u>CENTIFUGAL PUMPS</u>				
	The specified raw water centrifugal pump sizes listed below shall each include for the following items:				
-	Bronze impeller, diffuser and wear rings.				
-	EN57 shafts and mechanical seals.				
-	Baseplate and coupling for both pump and motor.				
-	Suitable for raw water.				
F2.1	Supply and install <u>4-pole centrifugal pump</u> with an approximate Flow Rate (l/s) and Head (m) as follows:				
F2.1.1	5l/s Flow and 25m Head	No	1		
F2.1.2	7,5l/s Flow and 100m Head	No	1		
F2.1.3	10l/s Flow and 175m Head	No	1		
F2.1.4	15l/s Flow and 15m Head	No	1		
F2.1.5	15l/s Flow and 45m Head	No	1		
F2.1.6	20l/s Flow and 35m Head	No	1		
F2.1.7	20l/s Flow and 150m Head	No	1		
F2.1.8	30l/s Flow and 6m Head	No	1		
F2.1.9	35l/s Flow and 20m Head	No	1		
F2.1.10	40l/s Flow and 30m Head	No	1		
F2.1.11	45l/s Flow and 15m Head	No	1		
F2.1.12	50l/s Flow and 40m Head	No	1		
F2.1.13	50l/s Flow and 80m Head	No	1		
F2.1.14	50l/s Flow and 120m Head	No	1		
F2.1.15	60l/s Flow and 4m Head	No	1		
F2.1.16	110l/s Flow and 45m Head	No	1		
F2.1.17	150l/s Flow and 50m Head	No	1		
F2.1.18	150l/s Flow and 60m Head	No	1		
<u>F3.0</u>	<u>BOREHOLE PUMPS</u>				
	The specified raw water borehole pump sizes listed below shall each include for the following items:				
-	Stainless steel or non-ferrous pump / motor casing and impeller.				
-	Mechanical seals.				
-	Motor drop cable to be of suitable length to suit depth of borehole, i.e. no cable joints allowed in drop cable.				
-	Suitable for raw water with a high iron and manganese concentration.				
F3.1	Supply and install 4-pole borehole pump with an approximate Flow Rate (l/s) and Head (m) as follows:				
F3.1.1	2,5l/s Flow and 50m Head	No	1		
	<u>TOTAL SCHEDULE F CARRIED FORWARD TO NEXT PAGE</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE F BROUGHT FORWARD</u>				
F3.1.2	2,5l/s Flow and 100m Head	No	1		
F3.1.3	5l/s Flow and 50m Head	No	1		
F3.1.4	5l/s Flow and 100m Head	No	1		
F3.1.5	7,5l/s Flow and 50m Head	No	1		
F3.1.6	7,5l/s Flow and 100m Head	No	1		
F3.1.7	10l/s Flow and 50m Head	No	1		
F3.1.8	10l/s Flow and 100m Head	No	1		
F3.1.9	7,5l/s Flow and 125m Head	No	1		
	<u>SEWAGE PUMPS</u>				
<u>F4.0</u>	<u>SELF-PRIMING PUMPS</u>				
	The specified self-priming pumps of sizes and duty listed below shall each include for the following items:				
-	Priming air valve to suit application and duty.				
-	Low NPSHreq.				
-	Cast iron semi open type impeller and mechanical seals.				
-	Replaceable wear plate.				
-	Baseplate and coupling or V-belt with pulleys for both pump and motor.				
-	Suitable for raw unscreened sewage of minimum 76mm solids capacity.				
F4.1	Supply and install self-priming pump of size and Max Head (m) and Flow Rate (l/s) as follows:				
	Size: 152 x 152mm Max Head: 32m				
F4.1.1	Max Flow Rate: 24 l/s	No	1		
	Size: 254 x 254mm Max Head: 40m				
F4.1.2	Max Flow Rate: 214 l/s	No	1		
	Size: 102 x 76 mm Max Head: 51m				
F4.1.3	Max Flow Rate: 121 l/s	No	1		
<u>F5.0</u>	<u>SELF-PRIMING PUMPS</u>				
	The specified sewage submersible pump sizes listed below shall each include for the following items:				
-	Cast iron and non-clog impeller.				
-	10m Power and control cable.				
-	Mechanical seals.				
-	Suitable for raw unscreened sewage.				
F5.1	Supply and install submersible pump set similar or approved equal to existing make and model listed below:				
F5.1.1	Robot type RW 2120 BE-V (2.6 kW)	No	1		
F5.1.2	Robot type RW 2130 DG-V (2.9 kW)	No	1		
F5.1.3	Robot type RW 2130 DG-V (3.5 kW)	No	1		
F5.1.4	Robot type RW 2120 BH-V (4 kW)	No	1		
F5.1.5	Robot type RW 4030 DJ-V (5 kW)	No	1		
F5.1.6	Robot type RW 4040/5.5 4 (5.5 kW)	No	1		
F5.1.7	Robot type RW 4030 DL-V (6 kW)	No	1		
F5.1.8	Robot type RW 4041/7.5 (7.5 kW)	No	1		
F5.1.9	Robot type RW 4032 BR-V (9 kW)	No	1		
	<u>TOTAL SCHEDULE F CARRIED FORWARD TO NEXT PAGE</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE F BROUGHT FORWARD</u>				
F5.1.10	Robot type RW 6130 JE-V (13 kW)	No	1		
F5.1.11	Robot type RW 6130 JE-V (20 kW)	No	1		
F5.1.12	EPS type 8.200 22 kW	No	1		
F5.1.13	Robot type RW 6130 JG-V (29 kW)	No	1		
F5.1.14	EPS type 150.32 30 kW	No	1		
F5.1.15	Robot type RW 6141 LI-V (34 kW)	No	1		
F5.1.16	Robot type RW 6130 JL-V (48 kW)	No	1		
<u>F6.0</u>	<u>LIME DOSING PUMP</u>				
F6.1	Supply and install dry lime feeder with stainless steel worm and stainless steel hopper (0,3m³ capacity), dosage rate of 5kg/hour, suitable for VSD application, complete with a 400V, 3-phase motor and mounting frame.	No	1		
	<u>ELECTRIC MOTORS</u>				
	The specified pump motor sizes listed below shall each include for the following items:				
-	All motors from 30kW to 150kW:				
	Fitted with thermistor winding protection.				
-	All motors from 185kW to 315kW:				
	Fitted with PT100 temperature sensors on windings and bearings, fitted in separate terminal enclosure.				
-	All motors to be suitable for operation at 400V, 50Hz operation.				
<u>F7.0</u>	<u>2-Pole Electric Motor</u>				
F7.1	Supply and install <u>4-pole electric motor</u> with a standard kW power rating as follows:				
F7.1.1	5,5kW	No	1		
F7.1.2	7,5kW	No	1		
F7.1.3	11kW	No	1		
F7.1.4	15kW	No	1		
F7.1.5	18,5kW	No	1		
F7.1.6	22kW	No	1		
F7.1.7	30kW	No	1		
F7.1.8	37kW	No	1		
F7.1.9	45kW	No	1		
F7.1.10	55kW	No	1		
F7.1.11	75kW	No	1		
F7.1.12	90kW	No	1		
F7.1.13	110kW	No	1		
<u>F8.0</u>	<u>4-POLE ELECTRIC MOTOR</u>				
F8.1	Supply and install 4-pole electric motor with a standard kW power rating as follows:				
F8.1.1	5,5kW	No	1		
F8.1.2	7,5kW	No	1		
F8.1.3	11kW	No	1		
F8.1.4	15kW	No	1		
	<u>TOTAL SCHEDULE F CARRIED FORWARD TO NEXT PAGE</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE F BROUGHT FORWARD</u>				
F8.1.5	18,5kW	No	1		
F8.1.6	22kW	No	1		
F8.1.7	30kW	No	1		
F8.1.8	37kW	No	1		
F8.1.9	45kW	No	1		
F8.1.10	55kW	No	1		
F8.1.11	75kW	No	1		
F8.1.12	90kW	No	1		
F8.1.13	110kW	No	1		
F8.1.14	132kW	No	1		
F8.1.15	150kW	No	1		
F8.1.16	185kW	No	1		
F8.1.17	225kW	No	1		
F8.1.18	260kW	No	1		
<u>F9.0</u>	<u>6-POLE ELECTRIC MOTOR</u>				
F9.1	Supply and install 6-pole electric motor with a standard kW power rating as follows:				
F9.1.1	5,5kW	No	1		
F9.1.2	7,5kW	No	1		
F9.1.3	11kW	No	1		
F9.1.4	15kW	No	1		
F9.1.5	18,5kW	No	1		
F9.1.6	22kW	No	1		
F9.1.7	30kW	No	1		
F9.1.8	37kW	No	1		
F9.1.9	45kW	No	1		
F9.1.10	55kW	No	1		
F9.1.11	75kW	No	1		
F9.1.12	90kW	No	1		
F9.1.13	110kW	No	1		
F9.1.14	132kW	No	1		
F9.1.15	150kW	No	1		
F9.1.16	185kW	No	1		
F9.1.17	225kW	No	1		
F9.1.18	260kW	No	1		
	<u>MISCELLANEOUS</u>				
<u>F10.0</u>	<u>COMPRESSORS</u>				
F10.1	Supply and install industrial rated, electrically driven piston type air compressor of standard ratings as follows:				
F10.1.1	Working Pressure: 12 Bar Displacement: 5 cfm Approx Power: ± 1,1 Kw	No	1		
F10.1.2	Working Pressure: 12 Bar Displacement: 18 cfm Approx Power: ± 4 kW	No	1		
F10.1.3	Working Pressure: 12 Bar Displacement: 25 cfm Approx Power: ± 5,5 kW	No	1		
	<u>TOTAL SCHEDULE F CARRIED FORWARD TO NEXT PAGE</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE F BROUGHT FORWARD</u>				
F10.1.4	Working Pressure: 12 Bar Displacement: 32 cfm Approx Power: ± 7,0 kW	No	1		
<u>F11</u>	<u>CABLING</u>				
F11.1	Supply and fit 600 / 1000V rated submersible type trailing cables to submersible pumps, etc.				
F11.1.1	16 mm ² Cu x 4 Core	m	1		
F11.1.2	10 mm ² Cu x 4 Core	m	1		
F11.1.3	6 mm ² Cu x 4 Core	m	1		
F11.1.4	4 mm ² Cu x 4 Core	m	1		
F11.1.5	2,5 mm ² Cu x 4 Core	m	1		
F11.1.6	1,5 mm ² Cu x 4 Core	m	1		
F11.1.7	4 mm ² Cu x 7 Core	m	1		
F11.1.8	2,5 mm ² Cu x 7 Core	m	1		
F11.1.9	1,5 mm ² Cu x 7 Core	m	1		
<u>F12.0</u>	<u>GUIDE BARS</u>				
F12.1	Supply and fit approx 6m long stainless steel guide rail inside sump:				
F12.1.1	DN65	Item	1		
F12.1.2	DN80	Item	1		
F12.2	Supply and fit new stainless steel top guide rail bracket inside sump:				
F12.2.1	DN65	Item	1		
F12.2.2	DN80	Item	1		
F12.3	Supply and fit new stainless steel bottom guide rail bracket inside sump:				
F12.3.1	DN65	Item	1		
F12.3.2	DN80	Item	1		
F12.3.3	DN100	Item	1		
<u>F13.0</u>	<u>VALVES</u>				
F13.1	Supply and install flange mounted, PN16 rated, two pack epoxy powder coated cast iron gate valve designed for sewage applications, complete with stainless steel non-rising spindle and handwheel, and EPDM coated gate:				
F13.1.1	75mm	Item	1		
F13.1.2	90mm	Item	1		
F13.1.3	110mm	Item	1		
F13.1.4	160mm	Item	1		
F13.1.5	200mm	Item	1		
F13.2	Supply and install free acting, flanged mounted, two pack epoxy powder coated cast iron non-return flap / check valve designed for sewage applications:				
F13.2.1	75mm	Item	1		
F13.2.2	90mm	Item	1		
F13.2.3	110mm	Item	1		
F13.2.4	160mm	Item	1		
F13.2.5	200mm				
	<u>TOTAL SCHEDULE F CARRIED FORWARD TO NEXT PAGE</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE F BROUGHT FORWARD</u>				
F13.3	Supply and install free acting, flanged mounted, two pack epoxy powder coated cast iron non-return flap / check valve designed for sewage applications complete with cantilever arm and weight:				
F13.3.1	160mm	Item	1		
F13.3.2	200mm	Item	1		
F13.3.3	250mm	Item	1		
<u>F14.0</u>	<u>GEARBOXES</u>				
F14.1	Helical parallel shaft type vertically mounted gearbox				
F14.1.1	Type: Helical parallel shaft Mounting: Vertical Power: 35kW Axial Load: 5 500N	Item	1		
F14.1.2	Type: Vertical spindle Power: 5,5kW Axial Load: 2 500N	Item	1		
<u>F15.0</u>	<u>DIESEL ENGINES AND GENERATORS</u>				
F15.1	Supply and delivery of air cooled diesel power units complete. Painted yellow to specification including fan belts and belt guard. (Belt guards must comply with all safety specifications and standards) (Pulleys and clutches measured elsewhere)				
F15.1.1	Manufacturer: LISTER				
	a) LT 1	No.	1.00		
	b) TR 1	No.	1.00		
	c) TR 2	No.	1.00		
	d) TR 3	No.	1.00		
F15.1.2	Installation and commissioning of power units (including plinths, baseplates, adjustable frames) for:				
	Manufacturer: LISTER				
	a) LT 1	No.	1.00		
	b) TR 1	No.	1.00		
	c) TR 2	No.	1.00		
	d) TR 3	No.	1.00		
F15.1.3	Supply, delivery, complete installation and commissioning of the following centrifugal clutches :				
	a) High speed :				
	i) 125 mm Ø	No.	1.00		
	ii) 180 mm Ø	No.	1.00		
F15.1.4	Complete supply, delivery, installation and commissioning of the following pulley ranges for wedge belts, including the required wedge belts:				
F15.1.4.1	SPA Range :				
	a) Four groove, with pitch diameters				
	i) 80 mm and 85 mm	No.	1.00		
	ii) 90 mm to 150 mm	No.	1.00		
	iii) 160 mm to 315 mm	No.	1.00		
	iv) 400 mm to 630 mm	No.	1.00		
F15.1.4.2	SPB Range :				
	a) Four groove, with pitch diameters				
	i) 125 mm and 150 mm	No.	1.00		
	ii) 160 mm to 315 mm	No.	1.00		
	iii) 355 mm to 630 mm	No.	1.00		
	<u>TOTAL SCHEDULE F CARRIED FORWARD TO NEXT PAGE</u>				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE F BROUGHT FORWARD</u>				
F15.1.5	Supply, delivery and installation of "optional" items for diesel engines				
	a) Flexible exhaust	No.	1.00		
	b) 90 l Fuel tank with appurtenant pipework and tank stand	No.	1.00		
	c) Fuel filter & indicator	No.	1.00		
	d) Oil pressure gauge	No.	1.00		
	e) Typical machine tool kit (Details to be supplied)	No.	1.00		
	f) Vibration hour meter	No.	1.00		
<u>F16.0</u>	<u>STAND-BY GENERATOR INSTALLATION</u>				
F16.1	Diesel Generator set (1 Phase)				
	The complete supply, deliver, off-load and installation of 230V Generator - set with Industrial watercooled diesel engine, 12VDC electrical system and battery charger, cartridge type fuel and oil filters, air filter, Battery(ies), rack and cables, alternator to be Electrical design to BS5000 Part 99, IEC60034-1, BS 9000, BS 5514, BS PT1184C. Automatic Voltage Regulator with Voltage regulation $\pm 0.5\%$, Heavy duty industrial exhaust silencer 25 dB reduction. Vibration isolated powder coated steel enclosure with removable cover plate control panel and feeder MCCB, Heavy-duty fabricated steel base with lifting points with Anti-vibration pad complete with base frame incorporates metal 8hr Fuel tank and 3 pin industrial outlet socket with wiring and labels for the following Generators complete with AVR, electrical start				
	a) 6KVA/6kW	No.	1.00		
	b) 9KVA/9kW				
	c) 11KVA/11kW				
F16.2	Diesel Generator Set (3 Phase)				
	The complete supply, deliver, off-load and installation of a 400/230V Generator - set with industrial water cooled diesel engine, 12 VDC electrical system and battery charger, Cartridge type fuel and oil filters, Air filter, Battery(ies), rack and cables, Alternator to be Electrical design to BS5000 Part 99, IEC60034-1, BS 9000, BS 5514 BS PT1184C. Automatic Voltage Regulator with Voltage regulation $\pm 0.5\%$, Heavy duty industrial exhaust silencer 25dB reduction. Vibration isolated powder coated steel enclosure with removable cover plate control panel and feeder MCCB, Heavy-duty fabricated steel base with lifting points with Anti-vibration pad complete with baseframe incorporates metal 8hr Fuel tank and 3 pin industrial outlet socket with wiring and labels for the following Generators complete with AVR, electrical start				
	a) 18KVA/14.14kW	No.	1.00		
	b) 22KVA/17.6kW	No.	1.00		
	c) 44KVA/35kW	No.	1.00		
	d) 65KVA/53kW	No.	1.00		
	e) 88KVA/70.4kW	No.	1.00		
	f) 165KVA/135kW	No.	1.00		
	<u>TOTAL SCHEDULE F CARRIED FORWARD TO NEXT PAGE</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE F BROUGHT FORWARD</u>				
F16.2.1	Weather proof Canopy for Generator-Set				
	The complete supply and installation of a weather proof canopy for Generator complete with pad-lockable doors to access motor, refuelling, battery charger and control panel inlets.				
	a) 6KVA/6kW	No.	1.00		
	b) 9KVA/9kW	No.	1.00		
	c) 11KVA/11kW	No.	1.00		
	d) 18KVA/14.14kW	No.	1.00		
	e) 22KVA/17.6kW	No.	1.00		
	f) 44KVA/35kW	No.	1.00		
	g) 65KVA/53kW	No.	1.00		
	h) 88KVA/70.4kW	No.	1.00		
	i) 165KVA/135kW	No.	1.00		
F16.2.2	Automatic Main Fails Switch-over Panel (1 Phase)				
	The complete supply and installation of AMF frame mounted complete with change-over contactors, mechanical interlocked, control unit, busbar, terminals and all material needed to complete the installation (As supplied from Generator manufacture), for the following:				
	a) 6KVA/6kW	No.	1.00		
	b) 9KVA/9kW	No.	1.00		
	c) 11KVA/11kW	No.	1.00		
F16.2.3	Automatic Main Fails Switch-over Panel (3 Phase)				
	The complete supply and installation of AMF frame mounted complete with motorised switch, MCCB, control unit, busbar, terminals and all material needed to complete the installation (As supplied from Generator manufacture), for the following:				
	a) 18KVA/14.14kW	No.	1.00		
	b) 22KVA/17.6kW	No.	1.00		
	c) 44KVA/35kW	No.	1.00		
	d) 65KVA/53kW	No.	1.00		
	e) 88KVA/70.4kW	No.	1.00		
	f) 165KVA/135kW	No.	1.00		
F16.2.4	Diesel Fuel				
	The supply and fill of fuel tank with Diesel, as specified.	lt	1.00		
F16.2.5	Generator Earth				
	The supply and installation of Generator LV-earthing, with 6m long, 35mm ² BCEW, connected to Gen earth, supply cable and one 1.5m earth spikes complete with Lugs, bolts, nuts, washers, clamps and the excavation with equipment needed to complete the installation.	No.	1.00		
F16.2.6	Testing, Inspection and Commissioning				
	After installation is complete, test and commission of installation. Contractor to allow for factory and site inspections all travelling to commission and handover. As part of the testing to provided the topped-up diesel fuel after tests and commissioning. Supply maintenance and operational manual and electrical diagram drawings of the following Gen set.				
	<u>TOTAL SCHEDULE F CARRIED FORWARD TO NEXT PAGE</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE F BROUGHT FORWARD</u>				
	a) Supply all inspections, test and commissioning equipment to commission and handover the single Phase to the client.	No.	1.00		
	b) Supply all inspections, test and commissioning equipment to commission and handover the Three Phase to the client.	No.	1.00		
	c) The provision and delivery of a dummy load 6 - 11kWatt as part of the testing and commissioning to verify full load capacity.	No.	1.00		
	d) The provision and delivery of a dummy load 18 - 44kWatt as part of the testing and commissioning to verify full load capacity.	No.	1.00		
	e) The provision and delivery of a dummy load 88 - 165kWatt as part of the testing and commissioning to verify full load capacity.	No.	1.00		
F16.2.7	Maintenance for one year				
	The contractor shall arrange with the supplier as per unit maintenance program for one year in which at least one monthly trip is provided for to service, check and maintain the unit. A service contract shall be provided which shall be agreed to by the council before it is finally accepted.				
	a) Single Phase Generation Unit: 6 - 11kWatt	p/m	1.00		
	b) Three Phase Generation Unit: 18-44kWatt	p/m	1.00		
	c) Three Phase Generation Unit: 88-165kWatt	p/m	1.00		
<u>F17.0</u>	<u>PUMPS</u>				
<u>F17.1</u>	<u>POSITIVE DISPLACEMENT PUMPS</u>				
F17.1.1	Supply and delivery of heads and positive displacement pumps complete with pulleys between 190 mm and 460mm in size for the following duty points (all pumps with a maximum of 1500 Rpm):				
	Manufacturer: Mono (or similar approved)				
	a) BP 2 LM	No.	1.00		
	b) BP 2 M	No.	1.00		
	c) BP 2 MH	No.	1.00		
	d) BP 3 LM	No.	1.00		
	e) BP 3 MH	No.	1.00		
	f) BP 4 H	No.	1.00		
	g) BP 4 L	No.	1.00		
	h) BP 4 M	No.	1.00		
	i) BP 6 H	No.	1.00		
	j) BP 6 L	No.	1.00		
	k) BP 6 M	No.	1.00		
	l) BP 9 H	No.	1.00		
	m) BP 9 L	No.	1.00		
	n) BP 9 M	No.	1.00		
	o) BP 12 L	No.	1.00		
	p) BP 12 M	No.	1.00		
	q) BP 12 H	No.	1.00		
	r) BP 16 H	No.	1.00		
	s) BP 16 L	No.	1.00		
	t) BP 16 M	No.	1.00		
	u) BP 22 L	No.	1.00		
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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE F BROUGHT FORWARD</u>				
	v) BP 22 M	No.	1.00		
	w) BP 23 L	No.	1.00		
	x) BP 23 M	No.	1.00		
	y) BP 23 H	No.	1.00		
	z) BP 30 H	No.	1.00		
	Aa) BP 30 L	No.	1.00		
	Bb) BP 30 M	No.	1.00		
	Cc) BP 40 L	No.	1.00		
	Dd) BP 40 M	No.	1.00		
	Ee) BP 50 M	No.	1.00		
	Ff) BP 65 L	No.	1.00		
	Gg) BP 85 M	No.	1.00		
	Hh) BP 105 M	No.	1.00		
F17.1.2	Installation and commissioning of positive displacement pump heads and pumps complete with pulleys between 190 mm and 460 mm in size:				
	a) BP 2 LM	No.	1.00		
	b) BP 2 M	No.	1.00		
	c) BP 2 MH	No.	1.00		
	d) BP 3 LM	No.	1.00		
	e) BP 3 MH	No.	1.00		
	f) BP 4 H	No.	1.00		
	g) BP 4 L	No.	1.00		
	h) BP 4 M	No.	1.00		
	i) BP 6 H	No.	1.00		
	j) BP 6 L	No.	1.00		
	k) BP 6 M	No.	1.00		
	l) BP 9 H	No.	1.00		
	m) BP 9 L	No.	1.00		
	n) BP 9 M	No.	1.00		
	o) BP 12 M	No.	1.00		
	p) BP 12 H	No.	1.00		
	q) BP 16 H	No.	1.00		
	r) BP 16 L	No.	1.00		
	s) BP 16 M	No.	1.00		
	t) BP 22 L	No.	1.00		
	u) BP 22 M	No.	1.00		
	v) BP 30 H	No.	1.00		
	w) BP 30 L	No.	1.00		
	x) BP 30 M	No.	1.00		
	y) BP 40 L	No.	1.00		
	z) BP 40 M	No.	1.00		
	aa) BP 50 M	No.	1.00		
	bb) BP 65 L	No.	1.00		
	cc) BP 85 M	No.	1.00		
	dd) BP 105 M	No.	1.00		
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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE F BROUGHT FORWARD</u>				
F17.2	BOREHOLE COLUMN PIPES				
	Supply and installation of column pipes, shafts, bearings, stabilisers, for boreholes 150 mm diameter :				
	a) 50 mm Ø piping	m	1.00		
	b) 65 mm Ø piping	m	1.00		
	c) 80 mm Ø piping	m	1.00		
	d) 100 mm Ø piping	m	1.00		
F17.3	SUBMERSIBLE PUMPS				
F17.3.1	Supply and delivery of centrifugal submersible pumps with installation and adequate lightning protection for the following duty points:				
	Manufacturer: _____				
	a) Head = 33m Flow = 1,6m³/h (Model: _____)	No.	1.00		
	b) Head = 47m Flow = 1,6m³/h (Model: _____)	No.	1.00		
	c) Head = 98m Flow = 1,6m³/h (Model: _____)	No.	1.00		
	d) Head = 148m Flow = 1,6m³/h (Model: _____)	No.	1.00		
	e) Head = 35m Flow = 2,8m³/h (Model: _____)	No.	1.00		
	f) Head = 70m Flow = 2,8m³/h (Model: _____)	No.	1.00		
	g) Head = 140m Flow = 2,8m³/h (Model: _____)	No.	1.00		
	h) Head = 38m Flow = 4,8m³/h (Model: _____)	No.	1.00		
	i) Head = 40m Flow = 4,8m³/h (Model: _____)	No.	1.00		
	j) Head = 80m Flow = 4,8m³/h (Model: _____)	No.	1.00		
	k) Head = 100m Flow = 4,8m³/h (Model: _____)	No.	1.00		
	l) Head = 40m Flow = 9,0m³/h (Model: _____)	No.	1.00		
	m) Head = 55m Flow = 9,0m³/h (Model: _____)	No.	1.00		
	n) Head = 105m Flow = 9,0m³/h (Model: _____)	No.	1.00		
F17.3.2	Installation and commissioning of centrifugal submersible pumps of manufacturer				
	a) Head = 33m Flow = 1,6m³/h (Model: _____)	No.	1.00		
	b) Head = 47m Flow = 1,6m³/h (Model: _____)	No.	1.00		
	c) Head = 98m Flow = 1,6m³/h (Model: _____)	No.	1.00		
	d) Head = 148m Flow = 1,6m³/h (Model: _____)	No.	1.00		
	e) Head = 35m Flow = 2,8m³/h (Model: _____)	No.	1.00		
	f) Head = 70m Flow = 2,8m³/h (Model: _____)	No.	1.00		
	g) Head = 140m Flow = 2,8m³/h (Model: _____)	No.	1.00		
	h) Head = 38m Flow = 4,8m³/h (Model: _____)	No.	1.00		
	i) Head = 40m Flow = 4,8m³/h (Model: _____)	No.	1.00		
	<u>TOTAL SCHEDULE F CARRIED FORWARD TO NEXT PAGE</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	TOTAL SCHEDULE F BROUGHT FORWARD				
	j) Head = 80m Flow = 4,8m³/h (Model: _____)	No.	1.00		
	k) Head = 100m Flow = 4,8m³/h (Model: _____)	No.	1.00		
	l) Head = 40m Flow = 9,0m³/h (Model: _____)	No.	1.00		
	m) Head = 55m Flow = 9,0m³/h (Model: _____)	No.	1.00		
	n) Head = 105m Flow = 9,0m³/h (Model: _____)	No.	1.00		
F17.3.3	Supply, delivery, installation and commissioning of submersible pump pipework (HDPE/10) and nylon rope (Electric cable measured under schedule 9) for :				
	a) 40 mm HDPE	m	1.00		
	b) 50 mm HDPE	m	1.00		
	c) 65 mm HDPE	m	1.00		
F17.3.4	Borehole information plate				
	a) Supply, deliver and install the borehole information plate (Information plate to be fixed inside the pumphouse)	No	1.00		
	b) Supply, deliver and install the borehole information plate (Information plate to be fixed on the outside of the pumphouse)	No	1.00		
	TOTAL SCHEDULE F CARRIED FORWARD TO PRICE SUMMARY				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>NOTES:</u>				
(i)	All rates must be exclusive of VAT.				
(ii)	All quantities are provisional and are for comparative purposes only and do not describe the final extent of the work.				
(iii)	CPA will be applicable to this tender.				
(iv)	This is a rate-based tender.				
<u>G1.0</u>	<u>GENERATING EQUIPMENT</u>				
G1.1	Minor service of generator equipment consisting of:				
G1.1.1	Conduct full visual inspection on existing genset equipment.	Sum	1		
G1.1.2	Check hoses, radiator and radiator core and top-up antifreeze if necessary.	Sum	1		
G1.1.3	Check and empty diesel water trap.	Sum	1		
G1.1.4	Check V-belts and charging alternator.	Sum	1		
G1.1.5	Check all electrical connections / voltages and test battery charger circuit.	Sum	1		
G1.1.6	Test control system and safety device.	Sum	1		
G1.1.7	Full mains failure load test.	Sum	1		
G1.1.8	Transport costs, to and from Site.	Sum	1		
G1.1.9	Provide written report and / or quotation on findings / work required.	Sum	1		
G1.2	Major service of generator equipment consisting of:				
G1.2.1	Full minor service described in item G1.1 above.	Sum	1		
G1.2.2	Full lube service including oil, oil filters and fuel filters.	Sum	1		
G1.2.3	Replace air filter.	Sum	1		
<u>G2.0</u>	<u>ELECTRIC MOTOR</u>				
G2.1	Minor service of electric squirrel cage induction motor equipment consisting of:				
G2.1.1	Service must include disconnect, reconnect, strip and clean, checks and testing.	Sum	1		
G2.2	Major service of electric squirrel cage induction motor equipment consisting of:				
G2.2.1	Service must include disconnect, reconnect, strip and clean, checks and testing.	Sum	1		
<u>G3.0</u>	<u>SUBMERSIBLE PUMPS</u>				
G3.1	Minor service of submersible pumpset equipment consisting of:				
G3.1.1	Pull pump from installed position and conduct full visual inspection.	Sum	1		
G3.1.2	Inspect impeller / volute for wear, rubbing, cavitation or blockages.	Sum	1		
G3.1.3	Inspect level and quality of existing oil inside oil chamber / housing and drain and replace oil.	Sum	1		
G3.1.4	Check and test condition of all electrical connections, submersible cables and insulation of stator windings, etc.				
G3.1.5	Check and test correct shaft rotation, vibration, etc	Sum	1		
	<u>TOTAL SCHEDULE G CARRIED FORWARD TO NEXT PAGE</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE G BROUGHT FORWARD</u>				
G3.1.7	Transport costs, to and from Site.	Sum	1		
G3.1.8	Provide written report and / or quotation on findings / work required.	Sum	1		
G3.1.9	Reinstall / reconnect pump in position following servicing / maintenance.	Sum	1		
G3.1.10	Check and test correct operation of float switches, and untangle / clean as required.	Sum	1		
G3.2	Major service of submersible pumpset equipment consisting of:				
G3.2.1	Full minor service described in item G3.1 above.	Sum	1		
<u>G4.0</u>	<u>CENTIFUGAL PUMPS</u>				
G4.1	Minor service of centrifugal pump equipment consisting of:				
G4.1.1	Disconnect pump from installed position and conduct full visual inspection.	Sum	1		
G4.1.2	Inspect impeller / volute for wear, rubbing, cavitation or blockages.	Sum	1		
G4.1.3	Inspect and lubricate bearings.	Sum	1		
G4.1.4	Check and test correct shaft rotation, vibration, etc	Sum	1		
G4.1.5	Transport costs, to and from Site.	Sum	1		
G4.1.6	Provide written report and / or quotation on findings / work required.	Sum	1		
G4.1.7	Reinstall / reconnect pump in position following servicing / maintenance.	Sum	1		
G4.2	Major service of centrifugal equipment consisting of:				
G4.2.1	Full minor service described in item G4.1 above.	Sum	1		
<u>G5.0</u>	<u>BOREHOLE PUMPS</u>				
G5.1	Minor service of submersible pumpset equipment consisting of:				
G5.1.1	Pull pump from installed position (up to $\pm 150\text{m}$ deep) and conduct full visual inspection.	Sum	1		
G5.1.2	Inspect impeller / volute for wear, rubbing, cavitation or blockages.	Sum	1		
G5.1.3	Inspect level and quality of existing oil inside oil chamber / housing and drain and replace oil.	Sum	1		
G5.1.4	Check and test condition of all electrical connections, submersible cables and insulation of stator windings, etc.	Sum	1		
G5.1.5	Check and test correct shaft rotation, vibration, etc	Sum	1		
G5.1.6	Test correct operation of all check valves, air valves, pressure gauges, etc	Sum	1		
G5.1.7	Transport costs, to and from Site.	Sum	1		
G5.1.8	Provide written report and / or quotation on findings / work required.	Sum	1		
G5.1.9	Reinstall / reconnect pump in position (up to $\pm 150\text{m}$ deep) following servicing / maintenance.	Sum	1		
	<u>TOTAL SCHEDULE G CARRIED FORWARD TO NEXT PAGE</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE G BROUGHT FORWARD</u>				
G5.2	Major service of submersible pumpset equipment consisting of:				
G5.2.1	Full minor service described in item G5.1 above.	Sum	1		
<u>G6.0</u>	<u>COMPRESSOR</u>				
G6.1	Minor service of compressor equipment consisting of:				
G6.1.1	Check torque on head screws and conduct full visual inspection.	Sum	1		
G6.1.2	Clean and replace air filter if required.	Sum	1		
G6.1.3	Drain and replace oil	Sum	1		
G6.1.4	Check and tighten V-belts and pulleys.	Sum	1		
G6.1.5	Drain moisture from pressure holding tank / vessel.	Sum	1		
G6.1.6	Check correct operation of automatic discharge unit if fitted.	Sum	1		
G6.2	Major service of compressor equipment consisting of:				
G6.2.1	Full minor service described in item G6.1 above.	Sum	1		
	<u>TOTAL SCHEDULE G CARRIED FORWARD TO PRICE SUMMARY</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	NOTES:				
(i)	All rates must be exclusive of VAT.				
(ii)	All quantities are provisional and are for comparative purposes only and do not describe the final extent of the work.				
(iii)	CPA will be applicable to this tender.				
(iv)	This is a rate-based tender.				
H1	Duckfoot bend - DN200:				
H1.1.1	Guide rails (SS304), pair, to suite ND50 duckfoot bend, 6m long	Each	1		
H1.1.2	Guide rails (SS304), pair, to suite ND65 duckfoot bend, 6m long	Each	1		
H1.1.3	Guide rails (SS304), pair, to suite ND80 duckfoot bend, 6m long	Each	1		
H1.1.4	Guide rails (SS304), pair, to suite ND100 duckfoot bend, 6m long	Each	1		
H1.1.5	Guide rails (SS304), pair, to suit ND150 duckfoot bend, 6m long	Each	1		
H1.1.6	Guide rails (SS304), pair, to suit ND200 duckfoot bend, 6m long	Each	1		
H1.1.7	Guide rail top bracket to suite DN50 duckfoot	Each	1		
H1.1.8	Guide rail top bracket to suite DN65 duckfoot	Each	1		
H1.1.9	Guide rail top bracket to suite DN80 duckfoot	Each	1		
H1.1.10	Guide rail top bracket to suite DN100 duckfoot	Each	1		
H1.1.11	Guide rail top bracket to suite DN150 duckfoot	Each	1		
H1.1.12	Guide rail top bracket to suite DN200 duckfoot	Each	1		
H1.1.13	Lifting chain, SS316, 6mm	Each	1		
H1.1.14	Lifting chain, SS316, 8mm	Each	1		
H1.1.15	Lifting chain, SS316, 10mm	Each	1		
H2	Supply & installation of Pipework, 304 SS, PN16:				
	DN50 Straight pipe, flanged both ends (flange to flange):				
H2.1.1	500mm	Each	1		
H2.1.2	1000mm	Each	1		
H2.1.3	1500mm	Each	1		
H2.1.4	2000mm	Each	1		
H2.1.5	2500mm	Each	1		
H2.1.6	3000mm	Each	1		
H3	DN80 Straight pipe, flanged both ends (flange to flange):				
H3.1.1	500mm	Each	1		
H3.1.2	1000mm	Each	1		
H3.1.3	1500mm	Each	1		
H3.1.4	2000mm	Each	1		
H3.1.5	2500mm	Each	1		
H3.1.6	3000mm	Each	1		
H4	DN100 Straight pipe, flanged both ends (flange to flange):				
H4.1.1	500mm	Each	1		
H4.1.2	1000mm	Each	1		
	TOTAL SCHEDULE H CARRIED FORWARD TO NEXT PAGE				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE H BROUGHT FORWARD</u>				
H4.1.3	1500mm	Each	1		
H4.1.4	2000mm	Each	1		
H4.1.5	2500mm	Each	1		
H4.1.6	3000mm	Each	1		
H5	DN150 Straight pipe, flanged both ends (flange to flange):				
H5.1.1	500mm	Each	1		
H5.1.2	1000mm	Each	1		
H5.1.3	1500mm	Each	1		
H5.1.4	2000mm	Each	1		
H5.1.5	2500mm	Each	1		
H5.1.6	3000mm	Each	1		
H6	DN200 Straight pipe, flanged both ends (flange to flange):				
H6.1.1	500mm	Each	1		
H6.1.2	1000mm	Each	1		
H6.1.3	1500mm	Each	1		
H6.1.4	2000mm	Each	1		
H6.1.5	2500mm	Each	1		
H6.1.6	3000mm	Each	1		
H7	DN250 Straight pipe, flanged both ends (flange to flange):				
H7.1.1	500mm	Each	1		
H7.1.2	1000mm	Each	1		
H7.1.3	1500mm	Each	1		
H7.1.4	2000mm	Each	1		
H7.1.5	2500mm	Each	1		
H7.1.6	3000mm	Each	1		
H8	DN300 Straight pipe, flanged both ends (flange to flange):				
H8.1.1	500mm	Each	1		
H8.1.2	1000mm	Each	1		
H8.1.3	1500mm	Each	1		
H8.1.4	2000mm	Each	1		
H8.1.5	2500mm	Each	1		
H8.1.6	3000mm	Each	1		
H9	DN350 Straight pipe, flanged both ends (flange to flange):				
H9.1.1	500mm	Each	1		
H9.1.2	1000mm	Each	1		
H9.1.3	1500mm	Each	1		
H9.1.4	2000mm	Each	1		
H9.1.5	2500mm	Each	1		
H9.1.6	3000mm	Each	1		
	<u>TOTAL SCHEDULE H CARRIED FORWARD TO NEXT PAGE</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE H BROUGHT FORWARD</u>				
H10	HDPE Fustion welded fittings c/w 304 backing rings T16 in 50mm				
H10.1.1	500mm	Each	1		
H10.1.2	1000mm	Each	1		
H10.1.3	1500mm	Each	1		
H10.1.4	2000mm	Each	1		
H10.1.5	2500mm	Each	1		
H10.1.6	3000mm	Each	1		
H11	HDPE Fustion welded fittings c/w 304 backing rings T16 in 80mm				
H11.1.1	500mm	Each	1		
H11.1.2	1000mm	Each	1		
H11.1.3	1500mm	Each	1		
H11.1.4	2000mm	Each	1		
H11.1.5	2500mm	Each	1		
H11.1.6	3000mm	Each	1		
H12	HDPE Fustion welded fittings c/w 304 backing rings T16 in 100mm				
H12.1.1	500mm	Each	1		
H12.1.2	1000mm	Each	1		
H12.1.3	1500mm	Each	1		
H12.1.4	2000mm	Each	1		
H12.1.5	2500mm	Each	1		
H12.1.6	3000mm	Each	1		
H13	HDPE Fustion welded fittings c/w 304 backing rings T16 in 150mm				
H13.1.1	500mm	Each	1		
H13.1.2	1000mm	Each	1		
H13.1.3	1500mm	Each	1		
H13.1.4	2000mm	Each	1		
H13.1.5	2500mm	Each	1		
H13.1.6	3000mm	Each	1		
H14	HDPE Fustion welded fittings c/w 304 backing rings T16 in 200mm				
H14.1.1	500mm	Each	1		
H14.1.2	1000mm	Each	1		
H14.1.3	1500mm	Each	1		
H14.1.4	2000mm	Each	1		
H14.1.5	2500mm	Each	1		
H14.1.6	3000mm	Each	1		
H15	90 deg. Long radius bends, flanged both ends 304 stainless steel				
H15.1.1	DN50	Each	1		
	<u>TOTAL SCHEDULE H CARRIED FORWARD TO NEXT PAGE</u>				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE H BROUGHT FORWARD</u>				
H15.1.2	DN80	Each	1		
H15.1.3	DN100	Each	1		
H15.1.4	DN150	Each	1		
H15.1.5	DN200	Each	1		
H15.1.6	DN250	Each	1		
H15.1.7	DN300	Each	1		
H15.1.8	DN350	Each	1		
H15.1.9	DN400	Each	1		
H15.1.10	DN450	Each	1		
H15.1.11	DN500	Each	1		
H15.1.12	DN550	Each	1		
H15.1.13	DN600	Each	1		
H16	45deg. Long radius bends, flanged both ends 304 stainless steel				
H16.1.1	DN50	Each	1		
H16.1.2	DN80	Each	1		
H16.1.3	DN100	Each	1		
H16.1.4	DN150	Each	1		
H16.1.5	DN200	Each	1		
H16.1.6	DN250	Each	1		
H16.1.7	DN300	Each	1		
H16.1.8	DN350	Each	1		
H16.1.9	DN400	Each	1		
H16.1.10	DN450	Each	1		
H16.1.11	DN500	Each	1		
H16.1.12	DN550	Each	1		
H16.1.13	DN600	Each	1		
H17	Equal, swept 90 deg. Long radius Tee, flanged all ends				
H17.1.1	DN50	Each	1		
H17.1.2	DN80	Each	1		
H17.1.3	DN100	Each	1		
H17.1.4	DN150	Each	1		
H17.1.5	DN200	Each	1		
H17.1.6	DN250	Each	1		
H17.1.7	DN300	Each	1		
H17.1.8	DN350	Each	1		
H17.1.9	DN400	Each	1		
H17.1.10	DN450	Each	1		
H17.1.11	DN500	Each	1		
H17.1.12	DN550	Each	1		
H17.1.13	DN600	Each	1		
H18	Unequal, swept 90 deg. Long radius Tee, flanged all ends (Main x Tee off)				
H18.1.1	DN80 x DN50	Each	1		
H18.1.2	DN100 x DN80	Each	1		
	<u>TOTAL SCHEDULE H CARRIED FORWARD TO NEXT PAGE</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE H BROUGHT FORWARD</u>				
H18.1.3	DN150 x DN100	Each	1		
H18.1.4	DN200 x DN150	Each	1		
H18.1.5	DN250 x DN200	Each	1		
H18.1.6	DN300 x DN250	Each	1		
H18.1.7	DN350 x DN300	Each	1		
H18.1.8	DN400 x DN350	Each	1		
H18.1.9	DN450 x DN400	Each	1		
H18.1.10	DN500 x DN450	Each	1		
H18.1.11	DN550 x DN500	Each	1		
H18.1.11	DN600 x DN550	Each	1		
H19	Flanged double action air-release valve suitable for raw sewage, complete with 5m uPVC drainage pipework				
H19.1.1	DN25	Each	1		
H19.1.2	DN50	Each	1		
H19.1.3	DN80	Each	1		
H19.1.4	DN100	Each	1		
H19.1.5	DN150	Each	1		
H19.1.6	DN200	Each	1		
H20	Ancillary Equipment, supply & installation				
H20.1	Nuts, Bolts, ready-bar & packings, complete set (number & size) per PN16 rated flange size A2 stainless				
H20.1.1	DN50	Each	1		
H20.1.2	DN65	Each	1		
H20.1.3	DN80	Each	1		
H20.1.4	DN100	Each	1		
H20.1.5	DN125	Each	1		
H20.1.6	DN150	Each	1		
H20.1.7	DN200	Each	1		
H20.1.8	DN250	Each	1		
H20.1.9	DN300	Each	1		
H20.1.10	DN350	Each	1		
H20.1.11	DN400	Each	1		
H21	Supply, Delivery and Modification (welding) of Water Engine Stands - The stand must have a 160mm borehole frame, completely made of 5mm thick steel iron with three 16mm holes each side with a length which will fit to a 17 x 3700mm V-Belt				
H21.1	LT1/LV1 Engine Stand	Each	1		
H21.2	TR1/TS1 Engine Stand	Each	1		
H21.3	TR2/TS2 Engine Stand	Each	1		
H21.4	TR3/TS3 Engine Stand	Each	1		
H21.5	TAF1 Engine Stand	Each	1		
H21.6	TAF2 Engine Stand	Each	1		
H21.7	TAF3 Engine Stand	Each	1		
	<u>TOTAL SCHEDULE H CARRIED FORWARD TO NEXT PAGE</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
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	TOTAL SCHEDULE H BROUGHT FORWARD				
H22	Supply and Delivery of Complete Steel Stands (Primed & Painted)				
H22.1	1m high steel stand for 5kl storage tank	Each	1		
H22.2	1m high steel stand for 10kl storage tank	Each	1		
H22.3	6m high steel stand for 5kl storage tank	Each	1		
H22.4	6m high steel stand for 10kl storage tank	Each	1		
H23	Repairs of Leaking and Damaged Steel and Concrete Tanks				
H23.1	Repairs of a leaking steel tank by using a rubber gasket per compartment	Each	1		
H23.2	Repairs of a leaking steel tank corroded or rusted by replacing the steel compartment	Each	1		
H23.3	Repairs of a leaking concrete reservoir per square metre by installing a plastic lining and 30mm plastering per square metre	Each	1		
H23.4	Repairs of damaged reservoir/manhole lockable steel lids by welding or replacing the lid	Each	1		
H23.5	Repairs of leaking/damaged plastic storage tank by bud welding the affected portion	Each	1		
H23.6	Rubberising inside steel tank (30mm plastic lining) per square metre	Each	1		
H24	Construction of Concrete Pump Houses and Installation of Fencing				
H24.1	Complete concrete pump house roofed with concrete with a lockable (trap door) steel manhole opening at the top for maintenance purposes - 3m x 3m x 2m (LxBxH)	Each	1		
H24.2	Lockable steel plate door and frame with a lockable steel bugler door inside and outside with the epoxy coating with the dark blue colour coding of all steel frameworks - Steel	Each	1		
H24.3	Palisade fence made of 1.8m high x 3m long using 75mm square tube and 5mm angle iron with the epoxy coating with the dark blue colour coding of all steel frameworks - Per 3m	Each	1		
H24.4	Lockable sliding gate (palisade) with the epoxy coating with the dark blue colour coding of all steel frameworks - 1.8m (H) x 4m (L)	Each	1		
H25	High Pressure Sewer Jet Cleaning				
H25.1	Establishment & de-establishment cost	Each	1		
H25.2	Daily rate for cleaning unit with team inclusive of accommodation and fuel costs	Each	1		
	TOTAL SCHEDULE H CARRIED FORWARD TO PRICE SUMMARY				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

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J1	Drilling of Boreholes				
J1.1.1	Mobilisation and set up of plant	Sum	1		
J1.1.2	Setup of plant per borehole (after first) up to 10km	No.	1		
J1.1.3	Interhole moves for distances more than 10km	km	1		
J1.1.4	Take down and reinstate existing fences with written approval of the Engineer	m	1		
	Drilling (Unconsolidated and consolidated sediments and igneous, metamorphic and fractured carbonate rocks)				
	Rotary Air Percussion with Foam - 0 to 150m				
J1.1.2	165mm Diameter	m	1		
J1.1.3	203mm Diameter	m	1		
J1.1.4	216mm Diameter	m	1		
J1.1.5	305mm Diameter	m	1		
	Odex (Incl. supply, delivery installation of at least 6mm sidewall Odex casing)				
J1.1.6	194mm OD (Incl. casing)	m	1		
J1.1.7	219mm OD (Incl. casing)	m	1		
J1.1.8	273mm OD (Incl. casing)	m	1		
	Drilling (Highly abrasive rocks e.g. quartzite)				
	Rotary Air Percussion with Foam - 0 to 150m				
J1.1.9	165mm Diameter	m	1		
J1.1.10	203mm Diameter	m	1		
J1.1.11	216mm Diameter	m	1		
J1.1.12	305mm Diameter	m	1		
	Testing of Boreholes				
	Transport and Interhole Moves				
J1.1.13	Establishment / De-Establishment	Sum	1		
J1.1.14	Setup of plant per borehole (after first) for distances up to 10km	No.	1		
J1.1.15	For distances exceeding 10km	km	1		
	Installation of Test Pump (depth up to 80m)				
J1.1.16	For yield up to 10l/s	No.	1		
J1.1.17	For yield greater than 10l/s	No.	1		
J1.1.18	Installation of Test Pump (per metre over 80m)				
J1.1.19	For yield up to 10l/s	No.	1		
J1.1.20	For yield greater than 10l/s	No.	1		
	Laying out of Discharge Hose				
J1.1.21	Minimum of 50m	No.	1		
J1.1.22	50m to 100m (extra over 50m)	m	1		
	<u>TOTAL SCHEDULE J CARRIED FORWARD TO NEXT PAGE</u>				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
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	Existing Equipment Removal and Re-Installation				
	Hand Pump Installation				
J1.1.23	Removal for first 50m depth	No.	1		
J1.1.24	Removal from depths extra-over 50m	m	1		
J1.1.25	Re-installation to 50m depth	No.	1		
J1.1.26	Re-installation to depths extra-over 50m	m	1		
	Wind Pump Installations				
J1.1.27	Removal for first 50m depth	No.	1		
J1.1.28	Removal from depths extra-over 50m	m	1		
J1.1.29	Re-installation to 50m depth	No.	1		
J1.1.30	Re-installation to depths extra-over 50m	m	1		
	Motorised Installations (Electric or Diesel Driven)				
J1.1.31	Removal for first 50m depth	No.	1		
J1.1.32	Removal from depths extra-over 50m	m	1		
J1.1.33	Re-installation to 50m depth	No.	1		
J1.1.34	Re-installation to depths extra-over 50m	m	1		
	Borehole Superstructure				
J1.1.35	Dismantling of Superstructure	No.	1		
J1.1.36	Re-Assembly of Superstructure	No.	1		
	Minor Repairs to Existing Equipment				
J1.1.37	Materials	Sum	1		
J1.1.38	Labour	Hr	1		
J1.1.39	Markup on Spares	%	R/O		
J1.1.40	Travelling Costs	km	1		
	Testing				
	Stepped Discharge Test				
J1.1.41	For yield up to 10l/s	Hr	1		
J1.1.42	For yield greater than 10l/s	Hr	1		
	Constant Discharge Test				
J1.1.43	For yield up to 10l/s	Hr	1		
J1.1.44	For yield greater than 10l/s	Hr	1		
J1.1.45	Recovery Monitoring	Hr	1		
J1.1.46	Borehole Disinfections (complete per borehole)	No.	1		
J1.1.47	Borehole Protection (complete per borehole)	No.	1		
J1.1.48	Borehole Marking (complete per borehole)	No.	1		
J1.1.49	Site Finishing (complete per borehole)	No.	1		
J1.1.50	Water Level Monitoring per Observation Hole	Hr	1		
	Flexible Borehole Pipe				
	Supply, deliver and install flexible borehole pipe, complete with all applicable fittings to connect to the pump and motor set and base plate up to 100m deep installation				
J1.1.51	50mm inside diameter	Sum	1		
J1.1.52	64mm inside diameter	Sum	1		
J1.1.53	76mm inside diameter	Sum	1		
	TOTAL SCHEDULE J CARRIED FORWARD TO PRICE SUMMARY				

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K1	Photovoltaic or Solar Systems				
	Flexible single core cable for photovoltaic or solar systems, halogen free, double insulated, Ozone & UV resistant (AC 1000v & DC 1500V) (Black/Red)				
K1.1.1	1.5mm ²	m	1		
K1.1.2	2.5mm ²	m	1		
K1.1.3	4mm ²	m	1		
K1.1.4	6mm ²	m	1		
K1.1.5	10mm ²	m	1		
K1.1.6	16mm ²	m	1		
K1.1.7	25mm ²	m	1		
K1.1.8	35mm ²	m	1		
K1.1.9	50mm ²	m	1		
	Solar Panels (PV)				
	Supply, deliver, install and test monocrystalline solar panels complete with all cables, connectors, boxes, surge protectors and circuit breakers (Ground, Roof, Elevated or Floating Installation)				
K1.1.10	300 to 395 W	No.	1		
K1.1.11	400 to 450 W	No.	1		
K1.1.12	455 to 495 W	No.	1		
K1.1.13	500 to 550 W	No.	1		
K1.1.14	555 to 595 W	No.	1		
K1.1.15	600 to 650 W	No.	1		
	Solar (PV) Mounting Systems				
	Supply, deliver, install a complete Solar (PV) system including all rails, brackets, fasteners and steel support structure (Galvanised or Aluminium)				
	Roof Top mounting system for PV Solar Panels		1		
K1.1.16	One (1) PV Solar Panel	Sum	1		
K1.1.17	Set of two (2) PV solar panels	Sum	1		
K1.1.18	Set of three (3) PV solar panels	Sum	1		
K1.1.19	Set of four (4) PV solar panels	Sum	1		
	Ground mounting structure for PV Solar Panels				
K1.1.20	One (1) PV Solar Panel	Sum	1		
K1.1.21	Set of two (2) PV solar panels	Sum	1		
K1.1.22	Set of three (3) PV solar panels	Sum	1		
K1.1.23	Set of four (4) PV solar panels	Sum	1		
	Mounting structure on top of water tank and tank stand for PV Solar Panels				
K1.1.24	One (1) PV Solar Panel	Sum	1		
K1.1.25	Set of two (2) PV solar panels	Sum	1		
	TOTAL SCHEDULE KCARRIED FORWARD TO NEXT PAGE				

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ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
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	<u>TOTAL SCHEDULE K BROUGHT FORWARD</u>				
	Single Pole mounting structure for PV Panels				
K1.1.26	Set of three (3) PV solar panels	Sum	1		
K1.1.27	Set of four (4) PV solar panels	Sum	1		
K1.1.28	One (1) PV Solar Panel	Sum	1		
K1.1.29	Set of two (2) PV solar panels	Sum	1		
K1.1.30	Set of three (3) PV solar panels	Sum	1		
K1.1.31	Set of four (4) PV solar panels	Sum	1		
	Floating HDPE Paltform for PV Panels (Tilted)		1		
K1.1.32	Float of one (1) PV Solar Panel	Sum	1		
K1.1.33	Float for set of two (2) PV solar panels	Sum	1		
K1.1.34	Float for set of three (3) PV solar panels	Sum			
K1.1.35	Float for set of four (4) PV solar panels	Sum	1		
	<u>TOTAL SCHEDULE K CARRIED FORWARD TO PRICE SUMMARY</u>				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

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L1	Pipes and Fittings				
	Clearing and Grubbing				
L1.1.1.1	Clear and grub 1 m wide	m	1		
	Pipe Trenches				
	Excavate, backfill and compact to 90% MOD AASHTO in all materials for pipe trenches with a nominal diameter up to 100mm (Note: No extra over payment shall be rendered for intermediate material)				
L1.1.2	Up to 1 m deep (depth 300mm above pipe)	m ³	1		
L1.1.3	Extra over for hard rock excavation	m ³	1		
	Medium Pressure Pipelines (Primary Water Supply, Borehole to Water Tanks / Drinking Troughs). Supply, lay, joint, bed, test and disinfect the following pipes complete with couplings to the relevant SABS standards including short lengths				
	HDPE Pipes and Fittings				
L1.1.4	20mm dia Class 6	m	1		
L1.1.5	25mm dia Class 6	m	1		
L1.1.6	32mm dia Class 6	m	1		
L1.1.7	40mm dia Class 6	m	1		
L1.1.8	50mm dia Class 6	m	1		
L1.1.9	63mm dia Class 6	m	1		
L1.1.10	75mm dia Class 6	m	1		
L1.1.11	90mm dia Class 6	m	1		
L1.1.12	20mm dia Class 10	m	1		
L1.1.13	25mm dia Class 10	m	1		
L1.1.14	32mm dia Class 10	m	1		
L1.1.15	40mm dia Class 10	m	1		
L1.1.16	50mm dia Class 10	m	1		
L1.1.17	63mm dia Class 10	m	1		
L1.1.18	75mm dia Class 10	m	1		
L1.1.19	90mm dia Class 10	m	1		
L1.1.20	20mm dia Class 12	m	1		
L1.1.21	25mm dia Class 12	m	1		
L1.1.22	32mm dia Class 12	m	1		
L1.1.23	40mm dia Class 12	m	1		
L1.1.24	50mm dia Class 12	m	1		
L1.1.25	63mm dia Class 12	m	1		
L1.1.26	75mm dia Class 12	m	1		
L1.1.27	90mm dia Class 12	m	1		
L1.1.36	20mm dia Class 16	m	1		
L1.1.37	25mm dia Class 16	m	1		
L1.1.38	32mm dia Class 16	m	1		
L1.1.39	40mm dia Class 16	m	1		
	TOTAL SCHEDULE L CARRIED FORWARD TO NEXT PAGE				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

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APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	NOTES:				
(i)	All rates must be exclusive of VAT.				
(ii)	All quantities are provisional and are for comparative purposes only and do not describe the final extent of the work.				
(iii)	CPA will be applicable to this tender.				
(iv)	This is a rate-based tender.				
M1	Ancillary Works				
	Prefabricated Reservoirs				
	Prefabricated Galvanised steel water reservoir complete with roof, 1 x inlet including galvanised steel inlet pipe and fittings outlet including valve, overflow, manhole, concrete ring beam or slab with Engineer's Certificate where applicable and PVC lining complete with steel stands in the following size categories:				
M1.1.1	5 000 to 7 000 liters capacity	Sum	1		
M1.1.2	9 000 to 10 000 liters capacity	Sum	1		
M1.1.3	13 000 to 15 000 liters capacity	Sum	1		
M1.1.4	19 000 to 20 000 liters capacity	Sum	1		
M1.1.5	25 000 to 30 000 liters capacity	Sum	1		
M1.1.6	35 000 to 40 000 liters capacity	Sum	1		
M1.1.7	45 000 to 50 000 liters capacity	Sum	1		
M1.1.8	55 000 to 60 000 liters capacity	Sum	1		
M1.1.9	65 000 to 70 000 liters capacity	Sum	1		
M1.1.10	75 000 to 80 000 liters capacity	Sum	1		
M1.1.11	85 000 to 90 000 liters capacity	Sum	1		
M1.1.12	95 000 to 100 000 liters capacity	Sum	1		
	Concrete				
	Casting of concrete footings, inclusive of excavations (1m x 1m x 1m) per footing				
M1.1.13	Class 25/29 concrete	m	1		
	Polyethylene Water tank				
	Supply, erect and anchored elevated polyethylene water tank onto tank stand (3,6 & 9m high):				
M1.1.14	10 000 litre tank	m	1		
M1.1.15	5 000 litre tank	m	1		
M1.1.16	Supply and install a 40mm float valve at the inlet of the tank	m	1		
M1.1.17	Supply, install and test all the pipe work and fittings for an elevated tank installation and connect to a water supply (10 000 litre or 5 000 litre tank)	m	1		
	Drinking Troughs				
	Supply, install and test polyethylene drinking trough complete with float valve, isolate valve and connected to a water supply				
M1.1.18	200 to 290 litre trough	m	1		
M1.1.19	300 to 790 litre trough	m	1		
M1.1.20	800 to 1 490 litre trough	m	1		
M1.1.21	1 500 to 2 000 litre trough	m	1		
M1.1.22	More than 2 000 litre trough	m	1		
	TOTAL SCHEDULE M CARRIED FORWARD TO NEXT PAGE				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

ITEM NO.	DESCRIPTION	UNIT	QTY	PRICE	
				RATE	TOTAL
	<u>TOTAL SCHEDULE M BROUGHT FORWARD</u>				
	Supply, install and test pre-cast concrete drinking trough complete with float valve, isolate valve and connected to a water supply				
M1.1.23	50 to 250 litre trough	m	1		
M1.1.24	260 to 800 litre trough	m	1		
M1.1.25	More than 1 000 litre trough	m	1		
	Cleaning of reservoir / tank by dewatering & external/Internal washing, sludge removal, algae removal with anti bacterial treatment, vacuum cleaning to make it one time bacteria free as per the below mentioned procedure for cleaning (1. External washing and dewatering (2) Sludge removal (3) Algae removal (4) Internal washing (5) Anti bacterial treatment (6) Vaccum cleaning				
M1.1.26	10kl	Sum	1		
M1.1.27	50kl	Sum	1		
M1.1.28	100kl	Sum	1		
M1.1.29	200kl	Sum	1		
M1.1.30	500kl	Sum	1		
M1.1.31	1MI	Sum	1		
M1.1.32	1.5MI	Sum	1		
M1.1.33	2.0MI	Sum	1		
M1.1.34	3.0MI	Sum	1		
M1.1.35	4.0MI	Sum	1		
	Repairs to the existing 9MI Khibitshwane Reservoir				
M1.1.36	Sand blasting or pressure washing	Sum	1		
M1.1.37	Crack and steel reinforcement repair and rejuvenation	Sum	1		
M1.1.38	Slurry over repaired indicated surface area	Sum	1		
	Housekeeping				
M1.1.39	Cut down grass including bush clearing and removing weeds at treatment plant sites	m²	1		
M1.1.40	Cart away all refuse to dumping site and keep clean	km	1		
	<u>TOTAL SCHEDULE M CARRIED FORWARD TO PRICE SUMMARY</u>				

APPOINTMENT OF A PANEL OF 6 CONTRACTORS – REPAIRS, MAINTENANCE, SUPPLY AND DELIVERY OF PUMPS, MOTORS AND GENERATORS FOR WATER AND SANITATION INFRASTRUCTURE FOR A PERIOD OF 36 MONTHS (AS AND WHEN REQUIRED)

ITEM NO.	DESCRIPTION	TOTALS
1	BILL A: PRELIMINARY AND GENERAL ITEMS	
2	BILL B: GENERATOR INSTALLATION	
3	BILL C: CONTROL PANEL EQUIPMENT	
4	BILL D: ELECTRICAL INSTALLATION	
5	BILL E: MISCELLANEOUS EQUIPMENT AND MATERIAL ITEMS	
6	BILL F: PUMPS, MOTORS AND ACCESSORIES	
7	BILL G: SERVICING OF PLANT AND EQUIPMENT	
8	BILL H: WELDING & MISCELLANEOUS ITEMS	
9	BILL J: DRILLING OF BOREHOLES	
10	BILL K: PHOTOVOLTAIC OR SOLAR SYSTEMS	
11	BILL L: PIPES AND FITTINGS	
12	BILL M: ANCILLORY WORKS	
13	SUB TOTALS	
14	NETT TENDER AMOUNT, EXCL. VAT	
15	ADD 15 % VAT	
16	GROSS TENDER AMOUNT, TO BE CARRIED FORWARD TO FORM OF OFFER AND ACCEPTANCE IN PART C1.1 HEREOF	

PART C3: SCOPE OF WORK

C3.1: SCOPE OF WORK

- 1) Repair all electrical and mechanical components that are faulty or malfunctioning during diagnostics and troubleshooting exercises on water engines, storage tank stands, engine stands, pump houses and fencing.
- 2) Wherever possible should the mechanical components be found damaged or beyond repairs, the appointed Contractor must prior to replacing such item/s should contact DRSM DM official for such approval.
- 3) Return and hand in the damaged components or parts to same DRSM DM official for disposal purpose.
- 4) Repair and service all standby or duty engines as per manufacturer manual guidelines.
- 5) Repair or replace all overhead steel tanks and associated structure for any leakages or damages.
- 6) Rubberizing of all steel storage tanks to seal and contain any leakages.
- 7) Supply and install water engines, storage tank stands, pump houses and fencing as per attached specifications.
- 8) Drilling and refurbishment of boreholes where required.
- 9) Modification of engine stands and water storage tank stands to strengthen the structure.
- 10) In addition the appointed Contractor/s should adhere to OHS Act Regulations as stipulated in Government Legislations.
- 11) The appointed Contractor/s should keep the sites in good housekeeping conditions at all times.
- 12) Agreements relating to the Breakdown and Preventative Maintenance Programs and Borehole Management Plans will be entered into between DRSM DM and appointed Contractor/s at the beginning of the contracts.

C3.2: SPECIAL CONDITIONS

- 1) Unless under emergencies, no work will be done or performed without a written and approved Site Instruction or Order by DRSM DM Official.
- 2) Transport tariffs must be given as a rate per kilometre and claimable hours as rate per hour.
- 3) The tenderer must have a Workshop within DRSM DM jurisdiction where transport tariffs will be calculated from.
- 4) The tenderer must at all times after completing the assigned work as per the site instruction attach a Completion Certificate on the claims and due to the nature of this contract may be instructed to attend to emergencies prior to the issuance of a written site instruction or order. All claims will be verified before approval of payments.
- 5) Rates increase subject to CPI will be applicable after 1 year of contract but not exceeding 7.5%.
- 6) The Contract is As and When required basis.
- 7) Warrantee on replaced components should be at least 12 months after replacement excluding electrical components.
- 8) A “non-scheduled item” approach will be used for specialized cases/material items that arise during the term of the contract and are not specified in the BoQ.
- 9) The DRSM DM will determine the mark-up percentage for non-scheduled item.