

| | JPPLY, DELIVER AND INSTALLATION OF SMALL SCHEME AND CIVIL ISTRICT MUNICIPAL AREAS FOR THE PERIOD OF 36 MONTHS | | | |
|---|--|--|--|--|
| BID NO |): SK8/3/1-47/2023/24 | | | |
| | REMENT DOCUMENT | | | |
| Registered Name of Bidder: | | | | |
| Trading Name of Bidder: | | | | |
| Registration No. of Entity: | | | | |
| Postal address of Bidder: | | | | |
| Contact Person: | | | | |
| Tel. No: | E-mail Address: | | | |
| Cell No: | Fax No: | | | |
| Tender Amount: | | | | |
| CIDB GRADING | Ranging from 1CE or Higher | | | |
| ISSUED BY: | PREPARED BY: | | | |
| Director: Infrastructure Water Services | Cluster Manager: Operations & Maintenance | | | |
| Mr. Mashele F | Mr. Ledwaba L.T | | | |
| Sekhukhune District Municipality | Sekhukhune District Municipality | | | |
| Private Bag X8611 | Private Bag X8611 | | | |
| Groblersdal | Groblersdal | | | |
| 0270 Tel: (013) 262 7535 | 0270 Tol: (012) 262 7345 | | | |
| Tel. (013) 202 / 333 | Tel: (013) 262 7345 | | | |



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| Applicable) | |
| - Three years audited financial statements for those transactions above R10million. | |
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| commitments for municipal services towards a Municipality or other service provider in | |
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T1.1 TENDER NOTICE AND INVITATION OF TENDERERS MBD 1 INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR APPOINTMENT OF PANEL OF CONTRACTORS TO SUPPLY, DELIVER AND INSTALLATION OF SMALL SCHEME AND CIVIL WORKS MATERIALS WITHIN SEKHUKHUNE DISTRICT MUNICIPAL AREAS FOR THE PERIOD OF 36 MONTHS.

| TENDER DETAILS | | | | | | |
|---|--|------------------|--------------|---------------|---|---------------|
| TENDER NUMBER: | SK8/3/1-27/2023/24 | | | | | |
| TENDER TITLE: | INSTALLATION | OF SMALL S | CHEME A | ND CIVIL | TO SUPPLY, D WORKS MATER E PERIOD OF 36 M | IALS WITHIN |
| CLOSING DATE: | 26/04/2024 | CLOSING TIM | Ξ: | 10H00 | | |
| SITE MEETING: | DATE: | 28/03/2024 | TIME: | 11H00 | NONE: | YES |
| SITE MEETING ADDRESS: | N/A | | | | | |
| CIDB GRADING REQUIRED: | 1 and above | LEVEL AND | CATEGOR | Y: | N/A | |
| BID BOX: | Situated at: Groble day, 7 days a wee | | ana Fire Sta | tion, the bid | box is generally ope | en 24 hours a |
| OFFER TO BE VALID FOR: | 90 | DAYS FROM T | HE CLOSIN | G DATE OF | BID. | |
| TENDERER DETAILS (Please indica | ite postal address | for all correspo | ndence rele | vant to this | specific tender) | |
| NAME OF TENDERER: | | | | | | |
| NAME OF CONTACT | | | | | | |
| PERSON PHYSICAL ADDRESS: | | POSTAL A | | | | |
| THIORAL ADDICEOU. | | TOUTALAL | JUNEOO. | | | |
| TELEPHONE #: | | FAX NO: | | | | |
| E-MAIL ADDRESS: | | | | | | |
| Total for Item 3 on page 87: | | | | | | |
| DATE: | | | | | | |
| SIGNATURE OF TENDERER: | | | | | | |
| CAPACITY UNDER WHICH THIS BID | IS SIGNED : | | | | | |
| PLEASE NOTE: | | | | | | |
| Tenders that are deposited in the incorrect box will not be considered. Tender box deposit slot is 28cm x 2.5cm. | | | | | | |
| 3. Mailed, telegraphic or faxed tenders will not be accepted. | | | | | | |
| 2. If the bid is late, it will not be accepted for consideration. | | | | | | |
| 5. Bids may only be submitted on the Bid Documentation provided by the Municipality. | | | | | | |
| ENQUIRIES MAY BE DIRECTED TO: | | CONTACT P | ERSON | TEL. NU | | |
| TECHNICAL ENQUIRIES | | Mashele F | | 013 262 7535 | | |
| ENQUIRIES REGARDING BID P | | - | L | 013 262 7300 | | |
| COMPLETION OF BID DOCUMENTS | 3 | Masemola V. | | 013 262 | 7656 | |



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PLEASE ENSURE THAT THE FOLLOWING FORMS HAVE BEEN DULY COMPLETED AND SIGNED AND THAT ALL DOCUMENTS AS REQUESTED, ARE ATTACHED TO THE TENDER DOCUMENT:

| | - | 1 | | 1 |
|--|-----|---|----|-----|
| Authority for Signatory (Compulsory) | YES | | NO | |
| Certificate of Authority for Joint Venture (Compulsory where applicable) | YES | | NO | |
| Certified copy of identity documents for directors (required for evaluation) | YES | | NO | |
| Compulsory Enterprise Questionnaire-SCHEDULE 1A (Compulsory | YES | | NO | |
| Copy of Company Registration Documents or CK1 for Close Corporations | YES | | NO | |
| Form of offer to be properly signed (Compulsory) | YES | | NO | |
| Declaration of Interest (MBD4) (Compulsory) | YES | | NO | |
| MBD 5 (required for evaluation) Documentation if Tender Exceeds R10 Million (Compulsory if Applicable) -Three years audited financial statements for those transactions above R10millionA certificate signed by the bidder certifying that the bidder has no undisputed commitments for municipal services towards a Municipality or other service provider in respect of which Payment is overdue for more than 30 days in accordance with regulation 21 (ii). The municipal rates for the bidder and its directors in respect of which payment is not overdue for more than 30 days or proof of lease agreement including rates for landlord. In case where the Company is registered in a rural area where the rates are not paid, please attach proof from Local Authority and Affidavit under oath indicating that there are no municipal rates payable. (Compulsory) | YES | | NO | |
| COIDA (Compulsory) | YES | | NO | |
| Declaration of Bidder's Past Supply Chain Management Practices (MBD8) (Compulsory) | YES | | NO | |
| Certificate of Independent Bid Determination (MBD9) (Compulsory) | YES | | NO | |
| Valid Tax Clearance Certificate Issued by the South African Revenue Service or PIN issued by SARS | YES | | NO | YES |
| CSD Registration/CSD Summary Report | YES | | NO | YES |
| | • | | | |



Note: The meaning of the cursive type for each Form is as follows: • Compulsory: Documentation or Information that must be submitted with the tender (Failing to submit any if the document may result in the tender being deemed

| SIGNATURE | NAME | |
|--------------|---------|--|
| | (PRINT) | |
| CAPACITY | DATE | |
| NAME OF FIRM | | |

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T 1.2. TENDER NOTICE & INVITATION TO TENDER

SK8/3/1-47/2023/24

APPOINTMENT OF PANEL OF CONTRACTORS TO SUPPLY, DELIVER AND INSTALLATION OF SMALL SCHEME AND CIVIL WORKS MATERIALS WITHIN SEKHUKHUNE DISTRICT MUNICIPAL AREAS FOR THE PERIOD OF 36 MONTHS.

Tender documents, in English, are obtainable from Tuesday 26 March 2024, at Bareki Mall Cnr. Van Riebeek and Chris Wild Street Sekhukhune District Municipality offices from Cashiers; Tel: 013 262 7300 between 07h30 and 16h30 upon payment of a tender participation fee of R500.00 per set. Alternatively, the document may be downloaded free of charge from the website: <u>www.etenders.gov.za</u>.

Sealed tenders, with: "Tender No.: **SK8/3/1-47/2023/24**: Appointment of panel of contractors to supply, deliver and installation of small scheme and civil works materials within Sekhukhune district municipal areas for the period of 36 months." clearly enclosed on the envelope, must be deposited in Tender Box No. 5 at AB Sikhosana Fire station offices of Sekhukhune District Municipality, next to Groblersdal WTW. Bids may only be submitted on the bid documentation issued by Sekhukhune District Municipality.

The closing date and time of the tender is on 26/04/2024 at 10h00 and tenders will be opened in

public immediately thereafter at AB Sikhosana Fire station offices of Sekhukhune District Municipality, next to Groblersdal WTW.

Tenders must be valid for 90 days after the closing date. Tenders shall be evaluated in terms of the Preferential Procurement Regulations, 2022 and bidders may claim preference points in terms of their specific goals.

Sekhukhune District Municipality does not bind itself to accept the lowest or any tender and reserves the right to accept any tender, as it may deem expedient. Tenders are subject to the General Conditions of Contract and the Supply Chain Management Policy of Sekhukhune District Municipality.

Please refer enquiries to Thomas Ledwaba at telephone number: 013 262 7345 or 082 578 0193

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| 2. TENDER DATA | | | | |
|----------------|--|--|--|--|
| Clause | | | | |
| # | The Conditions of Tender are the Standard Conditions of Tender as contained in Annexure F of the September 2015 | | | |
| | edition of the CIDB Standard for Uniformity in Construction Procurement (Board Notice 187 of 2015 - refer to | | | |
| | www.cidb.org.za). | | | |
| | The Standard Conditions of Tender for Procurement make 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 | | | |
| | standard conditions of tender. | | | |
| | Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it | | | |
| | mainly applies. | | | |
| F.1.1 | General: | | | |
| | The Employer is Sekhukhune District Municipality, as stipulated in the Tender Notice and Invitation to Tender as on | | | |
| | page 6 of this document. Tender documents: | | | |
| | The tender documents issued by the Employer comprise: | | | |
| | PART T1: TENDERING PROCEDURES | | | |
| F.1.2 | T1.1: Tender Notice and Invitation to Tender | | | |
| | T1.2: Tender Data | | | |
| | PART T2: RETURNABLE DOCUMENTS | | | |
| | T2.1: List of Returnable Documents | | | |
| | T2.2: Returnable Schedules | | | |
| | PART C1: AGREEMENTS AND CONTRACT DATA | | | |
| | C1.1: Form of Offer and Acceptance | | | |
| | C1.2: Contract Data | | | |
| | C1.3: Form of Guarantee | | | |
| | C1.4: Adjudicator's Agreement (if applicable) | | | |
| | PART C2: PRICING DATA | | | |
| | C2.1: Pricing Instructions | | | |
| | C2.2: Bills of Quantities | | | |
| | PART C3: SCOPE OF WORKS | | | |
| | C3 Scope of Work | | | |
| | C3.1 Description of the Works | | | |
| | C3.2 Annexes | | | |
| | PART C4: CONDITIONS OF CONTRACT | | | |
| F.1.2 | Communication and employer's agent: The employer has no agent acting on it's behalf for the purpose of this tender. | | | |
| | The employer's representative for the purpose of communication between the employer and bidders is: | | | |
| | Name: Floyd Mashele Address: Sekhukhune District Municipality | | | |
| | PO Box 8116 | | | |
| | Groblersdal, 0720 | | | |
| | Tel: (013) 262 7535 | | | |
| | E-mail: mashelef@sekhukhune.gov.za | | | |
| | Only information issued formally in writing to bidders by the employer's representative will be regarded as | | | |
| F1.5. | amendments to the tender document add the following to clause F1.5.1. | | | |
| F1.3. | Sekhukhune District Municipality reserves the right to accept all, some, or none of the bids received – either wholly | | | |
| | or in part – and it is not obliged to accept the lowest or any bid. | | | |

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F.2.1 Eligibility:

F.2.1. 1 Add the following:

Only those bidders who also satisfy the following criteria are eligible to submit tenders:

F.2.1.3 Registration as Service Provider:

Only those bidders who are registered and verified on Central Supplier Database as service providers or are capable of being so registered prior to the evaluation of submissions, are eligible to submit bids.

The Employer will only enter into a formal contract with a bidder who is registered on Sekhukhune District Municipality's Suppliers Database as a service provider.

F.2.1.4 Local office:

F.2.1.5 Key personnel:

The following personnel certified qualifications and cv must be attached as the work team to assist the bidder to execute task of the bidder and available for the envisaged appointments:

1. **Project Leader** who is a registered engineer and Technologist with at least five years verifiable post graduate experience in the water services project management. The person must demonstrate competence in water services experience and qualification and/or completion of BEng / BTech/NDip & Pr CPM / B.Sc. (Hons/). The Project Leader must have acted as the "Project Leader" after completing of BEng / BTech/NDip & Pr CPM / B.Sc. (Hons/) with Civil Engineering studies in water services Works for at least three years.

2. <u>Project Manager</u> who is a registered engineer and Technologist with at least five years verifiable post graduate experience in the water services project management. The person must demonstrate competence in water services experience and qualification and/or completion of National Diploma in Civil Engineering. The Project Manager must have acted as the "Project Manager" after completing National Diploma in Civil Engineering studies in water services Works for at least three years.

3. Artisan Plumber who is a registered apprentice for Plumber with at least five years verifiable post graduate experience in the plumbing field. The person must demonstrate competence in plumbing work and qualification and/or completion of relevant courses. The plumbing must have acted as the "plumber after completing trade test with plumber works for at least three years.

F.2.1.6 Functionality Evaluation:

Bids will be subjected to a Functionality evaluation process, based on specific quality criteria. Only bidders who attain a minimum score of 80% or more for quality will be considered for further evaluation. Bids that score less than 80% will be rejected as non-responsive. Note:

 F.2.7 Clarification meeting: The Clarification meeting will be on 28 March 2024 at AB Sikhosana Fire Station in Groblersdal at 11h00.
 F.2.13 If, a tenderer wishes to submit an alternative offer, the only criteria permitted for such alternative tender offer is that it demonstrably satisfies the Employer's standards and requirements, the details of which may be submitted to SDM infrastructure and water services.
 Calculations, drawings and all other pertinent technical information and characteristics, as well as modified or proposed Pricing Data must be submitted with the alternative tender offer to enable the Employer to evaluate the efficacy of the alternative and its principal elements, to take a view on the degree to which the alternative complies with the Employer's standards and requirements and to evaluate the acceptability of the pricing proposals.



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| F.2.13 | Calculations must be set out in a clear and logical sequence and must clearly reflect all design assumptions Data must reflect all assumptions in the development of the pricing proposal. Acceptance of an alternative tender offer will mean acceptance in principle of the offer. It will be an obligatic contract for the tenderer, in the event that the alternative is accepted, to accept full responsibility and liability alternative offer complies in all respects with the Employer's standards and requirements. The modified Pricing Data must include an amount equal to 5% of the amount tendered for the alternative cover the Employer's costs of confirming the acceptability of the detailed design before it is constructed Submitting a bid: F.2.13.3 Each tender offer communicated on paper shall be submitted as an original, plus 0 (zero) copies. F.2.13.2 The tender shall be signed by a person duly authorized to do so. Bids submitted by joint ventures of two or more firms shall be accompanied by the document of formation of the joint venture, authenticated by public or other official deputed to witness sworn statements, in which is defined precisely the conditions und the joint venture will function, its period of duration, the persons authorized to represent and obligate it, the | on of the y that the offer to | | | |
|---------|---|--|--|--|--|
| | participation of the several firms forming the joint venture, and any other information necessary to perm appraisal of its functioning. F.2.13.5 The employer's address for delivery of bids and identification details to be shown on each tender of package is: Location of tender box: Sekhukhune District Municipality, AB Sikhosana Fire Station, Groblersc to WTW, Identification Details: TENDER No. SK8/3/1-47/2023/24: APPOINTMENT OF PANEL OF CONTRACTORS SUPPLY, DELIVER AND INSTALLATION OF SMALL SCHEME AND CIVIL WORKS MATERIALS WITHIN SEKHUKHUNE DISTRIC MUNICIPAL AREAS FOR THE PERIOD OF 36 MONTHS. F.2.13.6 A two-envelope procedure will not be followed. | offer dal next S TO | | | |
| F.2.14 | The closing time for submission of tender offers is stated in the Tender Notice/ Invitation to Tender | | | | |
| F.2.15 | Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted | | | | |
| F.2.16 | Tender offer validity: | | | | |
| | The tender offer validity period is 90 days | | | | |
| F.2.17 | Clarification of tender offer after submission: Add the following to | | | | |
| | F.2.17: A tender may be rejected as non-responsive if the bidder fails to provide any clarification requested by | | | | |
| | the employer within the time for submission stated in the employer's written request. | | | | |
| F.2.23 | The tenderer is required to submit the following certificates with his tender: | | | | |
| | 1. A certificate certifying that the enterprise has no undisputed commitments to a municipality or other service provider | | | | |
| | in respect of which payment is overdue by more than 30 days | | | | |
| | 2. A particulars of any contracts awarded by an organ of state during the last five years including particulars of any | | | | |
| | material non-compliance or dispute concerning their execution over this period (if >R10 000 incl. VAT); | | | | |
| | 3. A valid Tax Clearance Certificate issued by the South African Revenue Services or SARS verification nur | valid Tax Clearance Certificate issued by the South African Revenue Services or SARS verification number | | | |
| F.3.2 | Opening of tender submissions: | | | | |
| | Add the following to F3.2: | | | | |
| | The time and location for opening of the tender offers are: Time: 10h00 on Friday 26 April 2024; Location: AB Si | | | | |
| | Fire Station board room, Sekhukhune District Municipality, Tenders will be opened in public immediately | after the | | | |
| | closing time for tenders at 10h00. | | | | |
| F3.4 | The time and location for opening of the tender offers are in accordance with F.2.14 | | | | |
| F3.8 | Test for responsiveness: | | | | |
| | Add the following to F3.8: | | | | |
| | Bids will be considered non-responsive if, inter alia: - the bid does not comply with the eligibility criteria listed | d in F2.1 | | | |
| | above. | | | | |
| | - the bidder has failed to clarify issues, or to submit any supporting documentation, within the time for submission | | | | |
| NAME (F | | | | | |
| SIGNAT | | | | | |
| CAPACI | Y: DATE: | | | | |

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| | stated in the employer's written request. |
|--------|--|
| | - the bid failed to score the minimum of 70% in the pre-qualification evaluation for functionality/quality. |
| F3.11 | The procedure for the evaluation of responsive tenders is Quality/functionality and Preference. Evaluation of Bid offers: F.3.11.5 Add the following: The procedure for the evaluation of responsive tenders will be Method 2: Preferences and quality, where quality will be assessed for functionality purposes. Evaluation stages: Stage 1: Assessment of eligibility (i.e. general completeness) and responsiveness; Stage 2: Assessment of quality/functionality in terms of minimum threshold for functionality. The functionality evaluation will be subdivided into the following evaluation categories: Stage 3: Price and specific goals status level Key Personnel Relevant experience Locality |
| | The minimum number of functionality points is 70 out of 100. Tender offers that fail to score this minimum number of functionality points will be rejected. Refer to the Functionality Evaluation guide sheet, and Returnable schedules on pages 72 to 81 for detail on the submissions required to score points for quality Bidders are advised to carefully study this sheet and schedules, to ensure that sufficient relevant information is provided for each discipline/category tendered for. Tenderers that fail to supply the information requested in any of the schedules with their tender offers will score zero or Quality/Functionality points in the particular regard. |
| | Stage 2: Preference: For preferences, the Specific goals status level of contribution will determine the points scored out of a maximum of 20 points, in accordance with the requirements as set out in form MBD 6.1 or page 22. |
| F3.12 | Tenderers are advised to study: when completing Schedule and claiming points. |
| F.3.13 | COMPULSORY DOCUMENTS TO SUBMIT Valid Tax Clearance Certificate or SARS verification pin; Copy of Company registration Documents Proof that Municipal Rates are not in arrears for more than thirty (30) days for the company. Proof that Municipal Rates are not in arrears for more than thirty (30) days for directors of the company. Proof that Municipal Rates are not in arrears for more than thirty (30) days for directors of the company. Proof that Municipal Rates are not in arrears for more than thirty (30) days for directors of the company. Proof that Municipal Rates are not in arrears for more than thirty (30) days for directors of the company. Joint Venture agreement If applicable Authority of signatory The bidder should submit three years audited annual financial statement. CIDB 1CE and above grading required. TENDER OFFERS WILL ONLY BE ACCEPTABLE ON CONDITION THAT THE: The tender offer is signed by a person authorized to sign on behalf of the Tenderer. A valid tax Clearance Certificate or SARS verification pin is included with this tender. A Tenderer who submitted a tender as a loint Venture has included an accentable loint Venture agreement |
| | c) A Tenderer who submitted a tender as a Joint Venture has included an acceptable Joint Venture agreemen with this tender. d) The Tenderer or any of its principals 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. e) The Tenderer has not abused the Employer's Supply Chain Management System or has failed to perform on any previous contract and has been given a written notice to this effect. |



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| |
| |
| or |
| |

| NAME (PRINT): | | |
|---------------|---------------|--|
| SIGNATURE: | NAME OF FIRM: | |
| | | |
| CAPACITY: | DATE: | |



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PART T2 : RETURNABLE DOCUMENTS

- T2.1 List of Returnable Documents
- T2.2 Returnable Schedules

| NAME (PRINT): | | |
|---------------|---------------|--|
| SIGNATURE: | NAME OF FIRM: | |
| CAPACITY: | DATE: | |



PART T2: LIST RETURNABLE DOCUMENTS

The following documents are to be completed and returned as they constitute the tender. Whilst many of the returnable are required for the purpose of evaluating the tenders, some will form part of the subsequent contract, as they form the basis of the tender offer. For this reason, it is very important that the tenderer return **all information requested**.

T2.2 List of Returnable Schedules

| | Administrative Requirements |
|----|---|
| 1. | Valid Tax Clearance Certificate or PIN issued by SARS |
| 2. | Join Venture Agreement |
| 3. | Certified Copy of identity documents for directors of the Company |
| 4. | Compliant CSD Registration/CSD Summary Report |
| 5. | Copy of Company Registration Document or CK for Close Corporations |
| 6. | Initial All pages |
| 7. | Certificate of Authority for Joint Venture |
| 8. | CIDB Grade 1CE or higher |
| | Mandatory Requirements |
| 1. | Schedule A: Compulsory Enterprise Questionnaire (Compulsory) |
| 2. | Schedule B: Authority for Signatory (Compulsory) |
| 3 | Declaration of Interest (MBD4) (Compulsory) |
| 4. | MBD 5 (required for evaluation) |
| | The Value of Tender is estimated to exceed R10 Million |
| | Documentation if Tender Exceeds R10 Million (Compulsory) |
| | -Three years audited financial statements for those transactions above R10millionA certificate signed by the bidder |
| | certifying that the bidder has no undisputed commitments for municipal services towards a Municipality or other |
| | service provider in respect of which Payment is overdue for more than 30 days in accordance with regulation 21 (ii). |
| | The municipal rates for the bidder and its directors in respect of which payment is not overdue for more than 30 days |
| | or proof of lease agreement including rates for landlord in case where the Company or Director is registered in a rural |
| | area where the rates are not paid, please attach proof from Local Authority and Affidavit under oath indicating that |
| | there are no municipal rates payable (Compulsory) |
| 5. | MBD 6.1 Claim form in Terms of Preferential Procurement Regulation 2022 (Compulsory) |
| 6 | Declaration of Bidder's Past Supply Chain Management Practices (MBD8) (Compulsory) |
| 7. | Certificate of Independent Bid Determination (MBD9) (Compulsory) |
| 8. | Proof of COIDA (Compulsory) |
| 9. | Form of offer to be properly signed (Compulsory) |

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CERTIFICATION BY THE BIDDER

NAME OF BIDDER: _____

Do you have undisputed commitments for municipal services towards a Municipality or other service provider in respect of which payment is overdue for more than 30 days in accordance with regulation 21(d) (ii)? NO YES (please mark with X on the relevant box).

I also authorize the municipality to do verification on the above information.

BIDDER REPRESENTATIVE: _____

NAME OF MUNICIPALITY:

Signature: _____

Date:



EVALUATION CRITERIA

Service Providers (bidders) who obtained over 70% functionality score will qualify for further evaluation.

1. Bidders must provide sufficient information to qualify for pre-qualification points

in respect of Functionality/Quality, regarding the company as it

pertains to the Local Office addressing the following: -

- 1.1. Physical address / Background / Organization / Management
- 1.2. Fields of activity / expertise
- 1.3. Staffing / Human Resources
- 2. Bidders shall also provide proof of residence as it pertains to the Local

Office.

Received Responsive Bids will be evaluated based on the following criteria:

• STAGE 1: SCREENING PROCESS

-Compliance with all standard bidding documents, and such documents must be signed by a duly authorized representative

- Tax matters will also be reviewed as to whether a SARS varication number and valid tax clearance certificate has been submitted at closing date and time of the bid.

• STAGE 2: FUNCTIONALITY EVALUATION

Only bidders that have met the pre-qualification process will be evaluated for functionality. At this phase, the evaluation process will be based on the bidder's responses in respect of the bid proposal (evaluated on the minimum functional terms of reference).



FUNCTIONALITY

Only bidders that have obtained over 70% or points will be legible to be evaluated with price and specific goals.

| WEIGHT |
|---------------|
| 100 |
| |
| |
| |
| |
| 15 Max Points |
| |
| |
| |
| |
| |
| |
| |
| 5 |
| |
| 10 |
| |
| 15 |
| |
| 15 Max Points |
| |
| |
| |
| |
| |
| |
| |



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| 2.1 Three (3) to Five (5) years working experience in water | 5 |
|---|-----------------|
| services infrastructure. | Ū |
| services infrastructure. | |
| 2.2 Five (5) to Ten (10) years working experience in water | 10 |
| services infrastructure. | |
| | |
| 2.3 Ten (10) years and above years working experience | 15 |
| in water services infrastructure. | |
| | |
| 3. ARTISAN PLUMBERS (PROOF OF TRADE TEST) | 15 Max Points |
| hidder must attach the trade test cartificate and av as proof | |
| bidder must attach the trade test certificate and cv as proof, | 40 |
| 3.1 One (1) to three (3) years working experience in water | 10 |
| services infrastructure. | |
| 3.2 Three (3) to Eight (8) years working experience in | 15 |
| water services infrastructure. | |
| | |
| 3.3 Nine (9) and above years working experience in water | 20 |
| services infrastructure. | |
| | |
| 4. COMPANY PLANT AND EQUIPMENTS | |
| Attach company's plants and equipment's license | (15) Max Points |
| documents and/or attach signed and stamped lease | |
| agreement from plant hire with plants and equipment's | |
| | |
| license documents. | |
| 4.1 -One (1) x TLB | 5 |
| | |
| | 5 |
| 4. 2- One (1) Excavator | |
| | ~- |
| 4. 2- One (1) Excavator 4.3- One (1) x Roller Compactor size 50 | 2.5 |
| | 2.5 2.5 |
| 4.3- One (1) x Roller Compactor size 50 | |



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| Fotal | (100) points |
|---|---------------|
| and above (10 Points) | |
| 6.2 Material value ranging from R 200 000- | 10 |
| 6.1 Material value ranging from R 50 000 – R 200 000 (5 points) | 5 |
| account or agreement with the supplier/s. | |
| works) for value indicated below in store or proof of | |
| and Steel Pipes, Valves, Clamps and all related civil | |
| 6. Attach proof that your company have materials (Plastic | 10 Max Points |
| | |
| Projects | |
| 5.3 Nine (9) and above water services infrastructure | 30 |
| Projects | |
| 5.2 Three (3) to Eight (8) water services infrastructure | 20 |
| projects. | |
| 5.1 One (1) to two (2) water services infrastructure | 10 |
| | |
| from previous clients or completion certificates) | |



9. TERMS OF REFERENCE BACKGROUND, OBJECTIVES AND SCOPE OF WORK

OBJECTIVE

The purpose of the terms of reference is to enable the Municipality to appoint suitable service providers for **Civil Works and Small Scheme Contract** of water infrastructure for the O&M division within Sekhukhune District Municipality (SDM).

1. BACKGROUND

Sekhukhune District Municipality (SDM) is the Water Services Authority within the district and is also a Water Services Provider (WSP) in some areas. The Municipality has an obligation to provider sustainable and uninterrupted water supply for the consumers within its area of jurisdiction. The Operation and Maintenance is a division within the department of Infrastructure and Water Services (IWS) which plays an important role in ensuring the sustainability of the water infrastructure assets for the provisioning of dignified basic supply as mandated by the Constitution. The division is obliged to operate and maintain a number of water and sanitation services infrastructure including but not limited to the following;

- Water Treatment Works
- Water booster pump stations
- Water reticulation Network
- Bulk pipelines
- Bulk and households Meters
- Sand pits
- Wells protects
- Reservoirs
- Concrete structures
- Raw water abstraction points

The O&M section is required to operate and maintain all above-mentioned assets, currently some of the assets fail and require urgent attention. The municipality have limited human capacity in terms number, skills and expertise and it is imperative to outsource some of the services for the smooth running for our water business. The appointment of panel of service providers on term contracts will assist on the frequent response time as and when the breakdowns occur. This will assist in shortening the lengthy procurement process when breakdowns or incidents arises. Their services will be as and when required.



2. PROJECT AIM

The main purpose of this bid is to outsource the service of pipeline installation, repair and replacement of all water system components that are due for development of new and extensions of water services infrastructure, replacement or refurbishment and upgrading of water infrastructure to ensure consistent water supply. For administrative purpose operational and maintenance division are divided into the following three clusters and depots:-

a. Fetakgomo-Tubatse Regional cluster with the following depots:

- Leboeng.
- Moroke
- Mapodile
- Penge/Praktiseer.
- Apel
- BB/Kloof

b. Elias Motsoaledi and Ephraim Mogale Regional cluster with the following depots:

- Motetema/Tafelkop.
- Monsterlus
- Uitspannung.
- Zamenkomste /Maklerekeng.
- Moganyaka
- Elandskraal
- c. Makhuduthamaga Regional cluster with the following depots:
 - Masemola.
 - Nebo
 - Schoonoord

The service provider appointed are expected to assist the municipality by responding abruptly to the breakdowns, provide value for money and quality as and when they are addressing the incidents. Sizes and quantities of orders will not be guaranteed; however, orders will be issued as when their services required by the client and the supplier will be required to quote based on the amount quoted in the bid document. The policy on how rotation of the terms contract should be done and standard rates must be developed.

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3. SCOPE OF WORK

The items below are scope of works for the supply, delivering, installation, repair, refurbishment and replacement water Infrastructure assets for entire SDM.

3.1 SUPPLY, DELIVERY, REPAIR, REPLACE AND INSTALLATION AND REFURBISHMENT OF WATER INFRASTRUCTURE

ASSETS

- Reparation of water and sewer reticulation networks.
- Reparation of bulk sewer and water pipelines
- Reparation of concrete reservoir and installation of other water storages
- Repair, replace and refurbishment of dilapidated water infrastructure.
- Reparation of Wastewater and water treatment works

4. RESOURCES (EQUIPMENT AND HUMAN)

The works under this contract requires plant and equipment like:

- Bypass pumps
- Portable generator
- Air compressor tractor mounted
- Manhole lifters and gas-testing equipment
- Portable lights and hand tools
- Repair equipment for excavation (backhoe, shoring equipment, concrete mixers, traffic control equipment, e.t.c.)
- Confined Space entry gear
- General pipeline fittings and special tools (to quickly repair any rupture that may occur in the piping system)
- Disinfectant to clean and treat the area.
- Block and tackle (for hoisting pump and motor)

Where possible work must preferably be labour intensive based.

All technical works must be done by professional artisans with at least 3 years applicable experience where needed as follows:

* Project Leader

Project Manager

Artisan Plumber

5. DURATIONS AND DELIVERABLES OF THE CONTRACT.

The duration of the contract will be thirty-six (36) months, the commencement date will depend upon the signing of the contract.

Sizes and quantities of orders will not be guaranteed; however, orders will be placed as when required by the client and the supplier will be required to quote based on the amount quoted in the bid document.

The Service Provider must attach the detailed programme indicating the period that it will take to complete the Work to be undertaken for the Municipalities.

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The successful bidder must/ should ensure that all ordered stock/ material is delivered within 14 days from the date of order. Failure

to do so the order will be cancelled, and other service provider will be given the same assignment.

10. AUTHORITY OF SIGNATORY

1. SOLE PROPRIETOR (SINGLE OWNER BUSINESS) AND NATURAL PERSON

1.1. I, ______, the undersigned, hereby confirm that I am the sole owner of the business trading as ______ OR

1.2. I, ______, the undersigned, hereby confirm that I am submitting this tender in my capacity as natural person.

2. COMPANIES AND CLOSE CORPORATIONS

2.1. If a Bidder is a COMPANY, a certified copy of the resolution by the board of directors, duly signed, authorising the person who signs this bid to do so, as well as to sign any contract resulting from this bid and any other documents and correspondence in connection with this bid and/or contract on behalf of the company must be submitted with this bid, that is, before the closing time and date of the bid

2.2. In the case of a CLOSE CORPORATION (CC) submitting a bid, a resolution by its members, authorizing a member or other official of the corporation to sign the documents on their behalf, shall be included with the bid.

PARTICULARS OF RESOLUTION BY BOARD OF DIRECTORS OF THE COMPANY/MEMBERS OF THE CC

| Date Resolution was taken | |
|--|--|
| Resolution signed by (name and surname) | |
| Capacity | |
| Name and surname of delegated Authorised Signatory | |
| Capacity | |
| Specimen Signature | |
| Date Resolution was taken | |

| Full | name and surname of ALL Director(s) / Member (s) | | | | | |
|--------|--|-----|--|--|--|--|
| 1. | | 2. | | | | |
| 3. | | 2. | | | | |
| 5. | | 6. | | | | |
| 7. | | 8. | | | | |
| 9. | | 10. | | | | |
| ls a (| Is a CERTIFIED COPY of the resolution attached? YES NO | | | | | |

| SIGNED ON BEHALF OF | DATE | |
|---------------------|-----------|--|
| COMPANY / CC | | |
| PRINT NAME: | | |
| WITNESS 1 | WITNESS 2 | |



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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 authorize Mr./Ms.

authorized signatory of the Company/Close Corporation/Partnership (name) _

_, 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.

| (i) Name of firm (Lead partner) | | | | |
|---------------------------------|--|--|--------------|--|
| Addresses | | | | |
| | | | Tel: | |
| Signature | | | Designation: | |

| (ii) Name of firm | | | |
|-------------------|--|--------------|--|
| Addresses | | | |
| | | Tel: | |
| Signature | | Designation: | |

| (iii) Name of firm | | | |
|--------------------|--|--------------|--|
| Addresses | | | |
| | | Tel: | |
| Signature | | Designation: | |

| (iv) Name of | | | |
|--------------|--|-------------|----|
| Addresses | | | |
| | | Tel: | |
| Signature | | Designation | n: |

NOTE: A copy of the Joint Venture Agreement clearly showing the percentage contribution of each partner to the Joint Venture, shall be appended to this Schedule



(V) CERTIFICATE FOR SOLE PROPRIETOR

I, hereby confirm that I am the sole owner of the business trading as

.....

Signature of Sole owner

As Witnesses: 1.

2. Date



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12. CERTIFIED COPY OF IDENTITY DOCUMENTS FOR DIRECTORS

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13. 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: |
| Section 2: | 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 5: Particulars of companies and close corporations

Company registration number Close corporation number

Tax reference number

Section 6: Record of service of the state

Indicate by marking the relevant boxes with a cross, if any sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months in the service of any of the following:

| a member of any municipal council | an employee of any provincial department, national or |
|--|--|
| a member of any provincial legislature a member of the National Assembly or the National Council of Province | provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| | |

a member of the board of directors of any municipal entity

a member of an accounting authority of any national or provincial public entity

If any of the above boxes are marked, disclose the following: (insert separate page if necessary)

| Name of sole proprietor, partner, director, manager, principal | Name of institution, public office, board or organ of state and position | Status (tick appropriat | of service e column) |
|---|---|----------------------------|--------------------------|
| shareholder or stakeholder | held | current | Within last 12 months |
| | | | |
| | | | |



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* Insert separate page if necessary

Section 7: Record of spouses, children and parents in the service of the state

Indicate by marking the relevant boxes with a cross, if any spouse, child or parent of a sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months been in the service of any of the following:

a member of any municipal council

a member of any provincial legislature

a member of the National Assembly or the National Council of Province

a member of the board of directors of any municipal entity

an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999)

a member of an accounting authority of any national or provincial public entity

an official of any municipality or municipal entity

an employee of Parliament or a provincial legislature

| Name of anguage shild or parent | Name of institution, public office, | Status of serv (tick appropriate column) | | | |
|---------------------------------|--|---|--------------------------|--|--|
| Name of spouse, child of parent | of spouse, child or parent board or organ of state and position held | | Within last 12 months | | |
| | | | | | |
| | | | | | |
| | | | | | |

* Insert separate page if necessary

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

authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my / our tax matters are in order;

confirms that the neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2002;

confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;

confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest:

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 | |
|---------------------------------------|--|
| · · · · · · · · · · · · · · · · · · · | |
| Jule | |
| Signed Date | |



* The schedule should be used where tenders are subject to the local Government: Municipal Finance Management Act

PARTNERSHIP

We, the undersigned partners in the business trading as ______ hereby authorize Mr/Ms

_to sign this bid as well as any contract resulting from the bid and any other

documents and correspondence in connection with this bid and /or contract for and on behalf of the abovementioned partnership.

The following particulars in respect of every partner must be furnished and signed by every partner:

| Full name of partner | | Signature | |
|------------------------|--|------------|--|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| SIGNATURE ON BEHALF OF | | DATE: | |
| PARTNERSHIP: | | | |
| PRINT NAME: | | | |
| WITNESS 1: | | WITNESS 2: | |

CONSORTIUM

We, the undersigned consortium partners, hereby authorize_

(Name of entity) to act as lead consortium partner and further authorize Mr./Ms. To sign this offer as well as any contract resulting from this tender and any other documents and correspondence in connection with this tender and / or contract for and on behalf of the consortium. The following particulars in respect of each consortium member must be provided and signed by each member:

| Full Name of Consortium Member | Role of Consortium Member | % | Signature |
|--------------------------------|---------------------------|---------------|-----------|
| | | Participation | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| SIGNATURE ON BEHALF OF | | | |
| PARTNERSHIP: | | | |
| PRINT NAME: | | | |
| SIGNATURE: | | DATE: | |
| WITNESS 1: | | WITNESS 2: | |



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14.COPY OF COMPANY REGISTRATION DOCUMENTS OR CK1 FOR CLOSE CORPORATIONS

Important note to Tenderer: copies of Registration Certificates for Companies, Close Corporations and Partnerships, or Agreements and Powers of Attorney for Joint Ventures, or ID documents for Sole Proprietors, all as referred to in the foregoing forms and must be inserted here)



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15. FORM OF OFFER AND ACCEPTANCE

1. OFFER

The employer, identified in the acceptance signature block, has solicited offers to enter a contract for the APPOINTMENT OF PANEL OF CONTRACTORS TO SUPPLY, DELIVER AND INSTALLATION OF SMALL SCHEME AND CIVIL WORKS MATERIALS WITHIN SEKHUKHUNE DISTRICT MUNICIPAL AREAS FOR THE PERIOD OF 36 MONTHS.

The tenderer, identified in the offer signature block, has examined the documents listed in the tender data and addenda thereto as listed in the tender 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) |
|----------------------|---------------|

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 terms of the conditions of contract identified in the contract data.

| Name of witness | and | signature Date |
|-------------------------|------------------------------------|-------------------|
| for the Tenderer | (Name and address of organization) | |
| Capacity | | |
| Name(s) | | |
| Signature(s) | | |



2. 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 contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the tenderer's offer shall form an agreement between the employer and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement. The terms of the contract are contained in

Part C1 : Agreements and contract data (which includes this agreement)

Part C2 : Pricing data

Part C3 : Scope of work.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto, as listed in the tender 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 agreement. No amendments to or deviations from said documents are valid unless contained in this schedule.

The tenderer shall, within two weeks after receiving a completed copy of this agreement including the schedule of deviation (if any), contact the employer's agent (whose details are given in the contract data) to arrange the delivery of any 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 the 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 (5) 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.¹

| Signature(s) | | |
|----------------------------|------------------------------------|--|
| Name(s) | | |
| Capacity | | |
| for the Employer | (Name and address of organization) | |
| Name and signature of witr | less | |
| Date | | |

.....



16. DECLARATION OF INTEREST - MBD 4

1. No bid will be accepted from persons in the service of the state.

2. Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority and/or take an oath declaring his/her interest.

3. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid: 3.1. Full Name of bidder or his or he

| 3.1 | Full Name of bidder or his or | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| | her representative | | | | | | | |
| 3.2 | Identity Number | | | | | | | |
| 3.3 | Position occupied in the Company (director, trustee, hareholder ²): | | | | | | | |
| 3.2 | Company Registration Number: | | | | | | | |
| 3.5 | Tax Reference Number | | | | | | | |
| 3.6 | VAT Registration Number | | | | | | | |

| 3.7 | Are you presently in the service of the state? | YES | No | |
|-------|---|-----|------|--|
| 3.71 | If so, furnish particulars: | | | |
| | | | | |
| | | | | |
| | | | | |
| 3.8 | Have you been in the service of the state for the past twelve months? | YES | NO | |
| 3.8.1 | If so, furnish particulars: | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

¹ MSCM Regulations: "in the service of the state" means to be -

6. an employee of Parliament or a provincial legislature.

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



^{1.} a member of -

i. any municipal council; ii. any provincial legislature; or iii. the National Assembly or the National Council of Provinces;

^{2.} a member of the board of directors of any municipal entity;

^{3.} an official of any municipality or municipal entity;

^{2.} an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);

^{5.} a member of the accounting authority of any national or provincial public entity; or



(f) an employee of Parliament or a provincial legislature ² Shareholder" means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.

| 3.9 | Do you have any relationship (family, friend, other) with persons in the service of the state and who may be involved with the evaluation and or adjudication of this bid? | YES | N | C |
|--------|--|-----|---|---|
| 3.91 | If so, furnish particulars: | | | |
| | | | | |
| 3.10 | Are any of the company's directors, managers, principal shareholders or stakeholders in the service of the state? | YES | N | C |
| 3.10.1 | If so, furnish particulars: | | | |
| | | | | |
| 3.11 | Are any of the company's directors, managers, principal shareholders or stakeholders in the service of the state? | YES | N | C |
| 3.11.1 | If so, furnish particulars: | | | |
| | | | | |
| 3.12 | Is any spouse, child or parent of the company's directors, managers, principal shareholders or stakeholders in the service of the state? | YES | N | С |
| 3.12.1 | If so, furnish particulars: | | | |
| | | | | |
| 3.13 | Do you or any of the directors, trustees, managers, principal shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract? | YES | N | C |
| 3.13.1 | If so, furnish particulars: | | | |
| | | | | |
| 3.12 | Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract. | YES | N | C |



17. MBD 5 DECLARATIONS FOR PROCUREMENT ABOVE R10 MILLION (ALL APPLICABLE TAXES INCLUDED)

[If the value of the transaction is expected to exceed R10 million (VAT included) the tenderer is required by law to prepare annual financial statements for auditing, the AUDITED ANNUAL FINANCIAL statements for the LATEST past three years, or since the Tenderer's establishment (if established during the past three years) must be attached to this schedule. Failure to submit the above shall invalidate the tender]



17. MBD 5 DECLARATIONS 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? YES / NO

6.1 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.

.....

.....

- 1 Do you have any outstanding undisputed commitments for municipal services towards any municipality for more than three months or any other service provider in respect of which payment is overdue for more than 30 days? YES / NO
- 1.1 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.

6.2 If yes, provide particulars.

.....

2 Has any contract been awarded to you by an organ of state during the past five years, including particulars of any material non-compliance or dispute concerning the execution of Page 38 of 156 such contract? YES / NO

2.1 If yes, furnish particulars

.....

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

2.1 If yes, furnish particulars

.....

.....



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MBD 6.1 PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

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

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

1. GENERAL CONDITIONS

- 1.1 The following preference point systems are applicable to invitations to tender:
 - 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 To be completed by the organ of state

- a) The applicable preference point system for this tender is the 80/20 preference point system.
- 1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:
 - (a) Price; and
 - (b) Specific Goals.

1.4 To be completed by the organ of state:

FOR EVALUATION CRITERIA

• A preferential Point system shall apply whereby the points will be allocated in accordance with the Preferential Procurement Regulations of 2022, where 90 points will be allocated in respect of price and 10 points in respect of preference points claimed for attainment of other specific goals summarized as follows: (80/20 or 90/10 criteria).

| HDI SPECIFIC GOALS | POINTS | POINTS |
|---------------------------------------|--------|--------|
| | 80/20 | 90/10 |
| HDI (Black, Indians and Coloureds | 12 | 6 |
| Woman-Ownership of more than 50% | 2 | 1 |
| Disability ownership of more than 50% | 2 | 1 |

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| Youth | 2 | 1 |
|------------------------------------|----|----|
| Locality (within SDM jurisdiction) | 2 | 1 |
| Total | 20 | 10 |

The maximum points for this tender are allocated as follows:

| | POINTS |
|---|--------|
| PRICE | 80 |
| SPECIFIC GOALS | 20 |
| Total points for Price and SPECIFIC GOALS | 100 |

- 1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.
- 1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

- (a) "tender" means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **"price"** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **"rand value"** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) "tender for income-generating contracts" means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) "the Act" means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).



3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 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

$$Ps = 80 (1 - \frac{Pt - P}{Pmin})$$
 or $Ps = 90 (1 - \frac{Pt - Pmin}{Pmin})$

Where

| Ps | = | Points scored for price of tender under consideration |
|----|---|---|
|----|---|---|

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

3.2. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

3.2.1. POINTS AWARDED FOR PRICE

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

80/20 or 90/10

$$Ps = 80 (1 + \frac{Pt - P}{Pmax})$$
 or $Ps = 90 (1 + \frac{Pt - Pmax}{Pmax})$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

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4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—



- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
- (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

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

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

| The specific goals allocated points in terms of this tender | Number of points allocated (90/10 system) (To be completed by the organ of state) | Number of points allocated (80/20 system) (To be completed by the organ of state) | Number of points claimed (90/10 system) (To be completed by the tenderer) | Number of points claimed (80/20 system) (To be completed by the tenderer) |
|---|--|---|--|--|
| HDI (Black, Indians and Coloureds) | 6 | 12 | | |
| Woman-Ownership o more than 50% | 1 | 2 | | |
| Disability Ownership of more than 50% (Physically Impaired) | 1 | 2 | | |
| Youth | 1 | 2 | | |
| Locality (Within SDM Jurisdiction | 1 | 2 | | |
| TOTAL | 10 | 20 | | |



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DECLARATION WITH REGARD TO COMPANY/FIRM

- 4.3. Name of company/firm.....
- 4.4. Company registration number:
- 4.5. TYPE OF COMPANY/ FIRM
 - Partnership/Joint Venture / Consortium
 - One-person business/sole propriety
 - Close corporation
 - Public Company
 - Personal Liability Company
 - (Pty) Limited
 - Non-Profit Company
 - State Owned Company
 - [TICK APPLICABLE BOX]
- 4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:
 - i) The information furnished is true and correct;
 - ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
 - iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
 - iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and



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(e) forward the matter for criminal prosecution, if deemed necessary.

SIGNATURE(S) OF TENDERER(S) SURNAME AND NAME: DATE: ADDRESS:

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

This Municipal Bidding Document must form part of all bids invited.

It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.

The bid of any bidder may be rejected if that bidder, or any of its directors have:

abused the municipality's / municipal entity's supply chain management system or committed any improper conduct in relation to such system;

been convicted for fraud or corruption during the past five years;

willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or

been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2002).

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

| ltem | Question | Yes | No |
|------|---|-----|----|
| 2.1 | Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector? | Yes | No |
| | (Companies or persons who are listed on this Database were informed in writing | | |
| | of this restriction by the Accounting Officer/Authority of the institution that | | |
| | imposed the restriction after the audi alteram partem rule was applied). | | |
| | | | |
| | The Database of Restricted Suppliers now resides on the National | | |
| | Treasury's website(<u>www.treasury.gov.za</u>) and can be accessed by clicking | | |
| | on its link at the bottom of the home page. | | |
| | | | |
| | | | |



| 2.1.1 | If so, furnish particulars: | | |
|-------|---|-----|---------|
| 2.2 | 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 2002)? The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page. | Yes | No |
| 2.2.1 | If so, furnish particulars: | | |
| 2.3 | Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years? | Yes | No □ |
| 2.3.1 | If so, furnish particulars: | | |
| ltem | Question | Yes | No |
| 2.2 | Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months? | Yes | No |
| 2.2.1 | If so, furnish particulars: | | |
| 2.5 | Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract? | Yes | No |
| 2.7.1 | If so, furnish particulars: | | |



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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

.....

Position

Name of Bidder

.....

Date



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21. MBD 9. CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Municipal Bidding Document (MBD) must form part of all bids¹ invited.
- 2 Section 2 (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.

Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the 1

combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:

- a. take all reasonable steps to prevent such abuse;
- b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
- c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
- This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, 1.

reasonable steps are taken to prevent any form of bid-rigging.

5 In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

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



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22. MBD 9. CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of Municipality / Municipal Entity)

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

I certify, on behalf of:

(Name of Bidder)

that:

I have read and I understand the contents of this Certificate:

I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect; I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;

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;

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

provides the same goods and services as the bidder and/or is in the same line of business as the bidder (c)

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.

In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:

prices:

geographical area where product or service will be rendered (market allocation)

- methods, factors or formulas used to calculate prices; (c)
- the intention or decision to submit or not to submit, a bid; (d)

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(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.

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. 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.

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

Position

.....

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Date

Name of Bidder

.....



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23. MUNICIPAL RATES AND TAXES

Rates and Taxes for both company and directors not in arrears for more than 3 months in accordance with regulation 38 or proof of lease agreement including rates for the landlord. In case where the Company or Director is registered in a rural area where the rates and taxes are not paid, please attach proof from Local Authority and Affidavit under oath indicating that there are no municipal rates and taxes payable.

Failure to submit the above will invalidate the tender

- a) Letter from the Landlord should stipulate the office space leased and the payment status of the service charges.
- b) A letter from a TRIBAL AUTHORITY / COUNCIL should be drawn in the name of the bidder and stipulate the location and the rates status of the ward.



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24. TAX CLEARANCE CERTFICATE REQUIREMENTS

- 1. The taxes of the successful bidder must be in order, or that satisfactory arrangements have been made with the Receiver of Revenue to meet his / her tax obligations.
- Bidder must attach a valid Tax Clearance Certificate issued by South Africa receive of revenue (SARS) for Tax Compliance Status or verification Pin issued by SARS, failure to submit the valid Tax Clearance Certificate or SARS verification Pin will invalidate the bid.
- **3.** In bids where Consortia / Joint Ventures / Sub-contractors are involved each party must submit a separate SARS Tax Compliance document.



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25. PROOF OF CSD REGISTRATION/ CSD SUMMARY REPORT

Bidders MUST attach a RECENT (not older than thirty days from tender closing date)

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PRICING DATA

PRICING INSTRUCTIONS

PRICING INSTRUCTIONS

The bill of quantity will be as one (1). Bidder must fill the bill of quantity as indicated below for year one, two and three and sum them at the bottom be averaged. The averaged figure must be written on the Tender amount on page 1 of 145 and form of offer at page 32 of 145.

| NAME (PRINT): | | |
|---------------|---------------|--|
| SIGNATURE: | NAME OF FIRM: | |
| CAPACITY: | DATE: | |
| | | |

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PRICING SCHEDULE

INDEX OF PRICE SCHEDULES

- SCHEDULE 1 : <u>SMALL DIAMETER CLEARWATER</u>
- SCHEDULE 2 : EARTHWORKS
- SCHEDULE 3 : UPVC PIPES
- SCHEDULE 4 : ROADS TO PURIFICATION WORKS
- SCHEDULE 5 : <u>SEWER WORKS</u>
- SCHEDULE 6 : FILTER DRAINS (REPLACEMENT OF FILTER MEDIA)
- SCHEDULE 7 : HANDRAILING
- SCHEDULE 8 : SEPTIC TANKS
- SCHEDULE 9 : CIRCULAR CONCRETE RESERVOIRS
- SCHEDULE 10 : CIRCULAR CONCRETE RESERVOIRS
- SCHEDULE 11 : GABIONS AND PITCHING
- SCHEDULE 12 : SEGMENTED BLOCK PAVING, KERBING AND CHANNELING
- SCHEDULE 13 : SECURITY FENCING
- SCHEDULE 14 : <u>PUMPHOUSE INSTALLATION FOR BOREHOLES</u>
- SCHEDULE 15 : PVC STORAGE TANK INSTALLATIONS DAYWORKS
- SCHEDULE 16 : DAYWORKS LABOUR
- SCHEDULE 17 : PALISADE FENCING

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CIVIL WORKS

| | LE 1 : SMALL DIAMETER CLEARWATER PIPELINES | | | | |
|---------|---|----------------|----------------|--------|--------|
| JUPPLI | | | | | |
| ITEM | ITEM DESCRIPTION | UNIT | UNIT PRICES | | |
| | | | VEAD (| VEADA | |
| 1 | SMALL DIAMETER CLEARWATER SUPPLY PIPELINES | | YEAR 1 | YEAR 2 | YEAR 3 |
| 1.1 | EARTHWORKS (Pipe trenches) | | | | |
| 1.2.1 | SITE CLEARANCE | | | | |
| | (a) Clear vegetation and trees of girth up to 1 m | m ² | | | |
| | (b) Clear trees of girth over 1 m | No | | | |
| | (c) Remove topsoil (150 mm depth) | m ² | | | |
| 1.3.2 | EXCAVATION | | | | |
| | | | | | |
| 1.1.2.1 | Excavation in all materials for trenches for 200 mm nominal diameter pipes and smaller. Rates include backfill, compact and disposal of surplus and unsuitable material. | | | | |
| | (a) Up to 1,5 m deep | М | | | |
| | (b) Over 1,5 m up to 2,5 m deep (Provisional) | М | | | |
| 1.1.2.2 | Extra-over item for 3.1.2.1 | | | | |
| | (a) Intermediate excavation (Prov.) | m ³ | | | |
| | (b) Hard rock excavation (Prov.) | m ³ | | | |
| 1.1.2.3 | Excavate and disposal of unsuitable material from trench bottom (Prov.) | m ³ | | | |
| 1.1.2.4 | Import backfill material from designated borrow pits (Prov.) | m ³ | | | |
| 1.1.2.5 | Opening up and closing down of designated borrow pit | На | | | |
| 1.1.2.6 | Compaction in road reserve | m ³ | | | |
| | | | | | |



| 1.1.2.7 | Overhaul | | | |
|----------|---|----------------|--|--|
| | (a) Limited overhaul (0,5 to 1,0 km) (Prov.) | m ³ | | |
| | (b) Long overhaul (Prov.) | m³/km | | |
| 1.1.2.8 | Shore trench opposite structure or service | M | | |
| | | | | |
| 1.1.2.9 | Existing services that intersect or adjoin a pipe trench | | | |
| | (a) Services that intersect a trench | No | | |
| | (b) Services that adjoin a trench | М | | |
| 1.1.2.10 | Reinstate road surfaces complete with all courses | | | |
| | (a) Gravel on shoulders | m ² | | |
| | (b) Asphalt of thickness 40 mm in parking area | m ² | | |
| | (c) Asphalt of thickness 40 mm in roadway | m ² | | |
| SCHEDU | LE .2: EARTHWORKS | | | |
| 2.2 | BEDDING (pipes) | | | |
| | | | | |
| 2.2.1 | Supply only of bedding by importation | | | |
| 2.2.2.1 | From other necessary excavations (Prov.) | | | |
| | (a) Selected granular material | m ³ | | |
| | (b) Selected fill material | m ³ | | |
| 2.2.2.2 | From borrow pits (Prov.) | | | |
| | (a) Selected granular material | m ³ | | |
| | (b) Selected fill material | m ³ | | |
| 2.2.2.3 | From commercial sources (Prov.) | | | |
| | (a) Selected granular material | m ³ | | |
| | (b) Selected fill material | m ³ | | |
| 2.2.3 | Concrete bedding cradle class 20/19 | m ³ | | |
| 2.2.4 | Encasing of pipes in concrete class 20/19 | m ³ | | |
| 2.2.5 | Overhaul of material for bedding cradle and selected fill blanket (Prov.) | m³/km | | |
| SCHEDU | LE 3:UPVC PIPES | | | |



| 3.3 | MEDIUM PRESSURE PIPELINES | | | |
|---------|--|----|--|---|
| 0.0.4 | | | | |
| 3.3.1 | uPVC Pressure Pipes | | | |
| 3.3.1.1 | Cumply, law, had and test the following uDVC | | | |
| 3.3.1.1 | Supply, lay, bed and test the following uPVC pressure pipes (conforming with SABS 946 | | | |
| | Part 1 specifications) in 6m lengths, each pipe | | | |
| | fitted at one end with socket for Mechanical jointing, in the following diameters: | | | |
| | (a) 315 mm dia class 16 | М | | |
| | (b) 315 mm dia class 12 | М | | |
| | (c) 250 mm dia Class 16 | М | | |
| | (d) 250 mm dia Class 12 | М | | |
| | (e) 200 mm dia Class 16 | М | | |
| | (f) 200 mm dia Class 12 | М | | |
| | (g) 160 mm dia Class 16 | М | | |
| | (h) 160 mm dia Class 12 | М | | |
| | (i) 160 mm dia Class 09 | М | | |
| | (j) 110 mm dia Class 16 | М | | |
| | (k) 110 mm dia Class 12 | М | | |
| | (I) 110 mm dia Class 09 | М | | |
| | (m) 90 mm dia Class 16 | М | | |
| | (n) 90 mm dia Class 12 | М | | |
| | (o) 90 mm dia Class 09 | М | | |
| | (p) 75 mm dia Class 12 | М | | |
| | (q) 75 mm dia Class 09 | М | | |
| | (r) 63 mm dia Class 12 | М | | |
| | (s) 63 mm dia Class 09 | М | | |
| | (t) 50 mm dia Class 09 | М | | |
| | | | | |
| 3.3.1.2 | Extra-over item 3.3.1 for the supply, laying and bedding of specials complete with couplings. | No | | |
| | Note: Fittings to be suitable for coupling directly (mechanically) onto pipes. Each fitting socketed for mechanical jointing. Fitting for PVC class 16; or cast iron or epoxy-painted steel. | | | |
| | | | | |
| | | | | |
| | 1 | | | 1 |



| 3.3.3 | HDPe PIPES | | | |
|-----------|---|----|--|---|
| 3.3.3.1 | Supply, lay, bed and test the following HDPe type IV pipes (conforming to SABS 533 - Part 2: 1982 amended 1994), in the following diameters and class. | | | |
| | (a) 75 PN mm dia Class 16 | М | | |
| | (b) 75 PN mm diaClass 12 | М | | |
| | (c) 75 PN mm diaClass 10 | М | | |
| | (d) 63 PN mm diaClass 16 | М | | |
| | (e) 63 PN mm diaClass 12 | М | | |
| | (f) 63 PN mm diaClass 10 | М | | |
| | (g) 50 PN mm diaClass 16 | М | | |
| | (h) 50 PN mm diaClass 12 | М | | |
| | (i) 50 PN mm diaClass 10 | М | | |
| | (j) 40 PN mm diaClass 16 | М | | |
| | (k) 40 PN mm diaClass 12 | М | | |
| | (I) 40 PN mm diaClass 10 | М | | |
| | (m) 32 PN mm diaClass 16 | М | | |
| | (n) 32 PN mm diaClass 12 | М | | |
| | (o) 32 PN mm diaClass 10 | М | | |
| | (p) 25 PN mm diaClass 16 | М | | |
| | (q) 25 PN mm diaClass 12 | М | | |
| | (r) 25 PN mm diaClass 10 | М | | |
| | (s) 20 PN mm diaClass 16 | М | | |
| | (t) 20 PN mm diaClass 12 | М | | |
| | (u) 20 PN mm diaClass 10 | М | | |
| 3.3.3.2 | Extra-over item 3.3.3.1 for supply, laying and bedding of compression fittings for use with HDPe Type IV pipes. | | | |
| 3.3.3.2.1 | Coupling | No | | |
| 3.4 | VALVES - Supply | | | _ |
| 3.4.1 | Gate valves | | | |
| J.T. I | | | | |
| | Gate valves, waterworks pattern in compliance with SABS 664, flanged, drilled to SABS 1123 table 1600/3, with resilient, rubberised metal gate, cap top, plan thrust collar, non-rising spindle, clockwise closing. | | | |



Private Bag X8611 Groblersdal 0470, 3 West Street Groblersdal 0470 Tel : (013) 262 7300, Fax: (013) 262 3688 E-Mail : sekinfo@sekhukhune.co.za 300 DN/ PN16 (a) No 250 DN/ PN16 (b) No 200 DN/ PN16 (c) No (d) 150 DN/ PN16 No 100 DN/ PN16 (e) No (f) 80 DN/ PN16 No (g) 65 DN/ PN16 No 50 DN/ PN16 (h) No 3.4.2 Single orifice air valve (25 DN) installation, complete with chamber, as set out on plan 125 No 843/97 ME but excluding the in-line tee-piece 3.4.3 Double purpose air valve (50 DN) installation, complete, with chamber as set out on plan 125 No 844/97 ME but excluding the in-line-tee-piece 3.4.4 Single standpipe installation, complete with insitu constructed concrete trough as set out on No plan 125 836/97 ME, but excluding the mainline saddle. 3.4.5 Double standpipe installation, complete with insitu constructed concrete trough as set out on No plan 125 836/97 ME, but excluding the mainline saddle 3.4.6 Domestic draw-off with double outlet, complete with in-situ constructed concrete trough as set No out on plan 125 837/97 ME, but excluding the mainline saddle. ANCHOR/THRUST BLOCKS AND 3.5 PEDESTALS 3.5.1 Concrete thrust block a concret mix strength of 30 mPa (a) Concrete volume < 0,4 m³ No (b) Concrete volume 0,4 to 0,59 m³ No (c) Concrete volume 0,6 to 0,79 m³ No (d) Concrete volume 0,8 to 0.99 m³ No (e) Concrete volume 1,0 to 1,19 m³ No (f) Concrete volume 1,2 to 1,39 m³ No (g) Concrete volume 1,4 to 1,6 m³ No Concrete thrust block a concret mix strength of 25 mPa

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| | (a) Concrete volume < 0,4 m ³ | No | |
|-------|--|----------|--|
| | (b) Concrete volume 0,4 to 0,59 m ³ | No | |
| | (c) Concrete volume 0,6 to 0,79 m ³ | | |
| | (d) Concrete volume 0,8 to 0,99 m ³ | No | |
| | · · / | No | |
| | (e) Concrete volume 1,0 to 1,19 m ³ | No | |
| | (f) Concrete volume 1,2 to 1,39 m ³ | No | |
| | (g) Concrete volume 1,4 to 1,6 m ³ | No | |
| | Concrete thrust block a concret mix strength of 20 mPa | | |
| | (a) Concrete volume < 0,4 m ³ | No | |
| | (b) Concrete volume 0,4 to 0,59 m ³ | No No | |
| | (c) Concrete volume 0,6 to 0,79 m ³ | | |
| | (d) Concrete volume 0,8 to 0,99 m ³ | No No | |
| | (e) Concrete volume 1,0 to 1,19 m ³ | No | |
| | (f) Concrete volume 1,2 to 1,39 m ³ | No | |
| | (g) Concrete volume 1,4 to 1,6 m ³ | No | |
| | | INU | |
| | | | |
| 3.5.2 | Pipeline marker for the concrete mix of 20 mPa | | |
| | | | |
| 3.6 | SPECIAL WRAPPING | | |
| | Wrapping of buried steel pipelines and | | |
| | connections with petrolatum mastic and impregnated tape in an over-the-trench operation, for the following pipe diameters: | М | |
| | | М | |
| | (a) 300 DN | М | |
| | (b) 250 DN | М | |
| | (c) 200 DN | М | |
| | (d) 150 DN | М | |
| | (e) 100 DN | М | |
| | (f) 80 DN | М | |
| | (g) 65 DN | М | |
| | (h) 50 DN | М | |
| | | | |
| 3.7 | MARK-UP RATES | | |



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|-------|--|---------|------------|--|
| 3.7.2 | (a) Percentage mark-up on rates listed on term contracts. | | | |
| | (b) Percentage mark-up on items approved by the client or his representative with attached invoices for material used. | | | |
| | | | | |
| 3.8 | Tip trucks | | | |
| | (a) 6 m³ | km | | |
| | (b) 10 m ³ | km | | |
| 3.9 | Flat bed trucks | | | |
| | (a) 5t | km | | |
| | (b) 7t | km | | |
| 3.1 | LDV | | | |
| | (a) 2 x 4WD | km | | |
| | (b) 4 x 4WD | km | | |
| | TOTAL FOR SCHEDULE 3 CARRIED TO SUMMARY | | | |
| | Mark up rates: 15% | | | |
| | | | | |



| SCHED | ULE 4 : ROADS TO PURIFICATION WORKS | | | | |
|-------|---|-------|----------------|--------|--------|
| | | | | | |
| ITEM | ITEM DESCRIPTION | UNIT | UNIT PRICES | | |
| | | | | VEADO | VEADO |
| | | | YEAR 1 | YEAR 2 | YEAR 3 |
| 4 | ROADS TO PURIFICATION WORKS AND THE SUPPLY OF ALL MATERIAL | _ | | | |
| | Note: Haulage up to 0.5km is considered free-haul. | | | | |
| 4.1 | SITE CLEARANCE | | | | |
| | | | | | |
| 4.1.1 | Clear and Grub | ha | | | |
| 4.1.2 | Remove and grub large trees and stumps of girth: | | | | |
| | a) over 1m and up to and including 2m | no | | | |
| | b) over 2m and up to and including 3m | no | | | |
| 4.1.3 | Reclear surfaces (only on instructions from the | | | | |
| | Engineer) | ha | | | |
| 4.1.4 | Take down existing fences | | | | |
| | a) Stockproof fence | km | | | |
| | b) Security fence | km | | | |
| 4.1.5 | Transport materials and debris to unspecified sites | | | | |
| | and dump. | m³.km | | | |
| 4.1.6 | Remove topsoil to nominal depth of 150mm and | | | | |
| | stockpile. | m³ | | | |
| 4.2 | BULK EARTHWORKS | | | | |
| 7.2 | | | | | |



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|-------|--|-----------------------|---------------|--|
| | | | | |
| 4.2.1 | Bulk Excavation | | | |
| | a) Excavate in all materials and use for | | | |
| | embankment or backfill compacted to 90% | | | |
| | modified AASHTO density or dispose, as | | | |
| | ordered. | m³ | | |
| | | | | |
| | b) Extra-over item 7.2.1 for : | | | |
| | i) Intermediate excavation | m ³ | | |
| | ii) Hard rock excavation | m ³ | | |
| | iii) Boulder excavation, Class A | m ³ | | |
| | iv) Boulder excavation, Class B | m³ | | |
| | | | | |
| 4.2.2 | Importing of Materials | | | |
| | a) Extra-over for importation of materials from | | | |
| | borrow pits. | m³ | | |
| | | | | |
| | b) Opening up and closing down of designated | | | |
| | borrow pit (1ha) | sum | | |
| | | | | |
| | c) Dealing with overburden | m³ | | |
| | | | | |
| 4.2.3 | Overhaul | | | |
| | a) Limited overhaul | m³ | | |
| | | | | |
| | b) Long overhaul | m³.km | | |
| | | | | |
| 4.2.4 | Shaping | | | |
| | Shape and compact to 90% modified AASHTO | | | |
| | density, existing 6m wide roads, complete with | | | |
| | side drains. | km | | |
| | | | | |
| 4.2.5 | Mitre Drains | | | |
| | Construct mitre drains, each 20m long and 4m | | | |
| | Wide | no | | |
| | | | | |
| | 1 | | | |
| 4.3 | EARTHWORKS (Roads, Subgrade) | | | |
| | | | | |



| 4.3.1 | Preparation of Site | | |
|-------|---|----------------|--|
| | a) Stripping and removal of topsoil to 150mm | | |
| | depth, stockpiling and maintaining | m ³ | |
| | | | |
| | b) Strip and remove 150mm layer, haul and | | |
| | spread topsoil in borrow pits. | m³ | |
| | | | |
| 4.3.2 | Treatment of Roadbed | | |
| | a) Road-bed preparation and compaction of | | |
| | material to : | | |
| | i) min of 90% MOD AASHTO density to a | | |
| 0 | depth of 150mm | m ³ | |
| | | | |
| | ii) min. of 93% MOD AASHTO density to a | | |
| | depth of 150mm | m³ | |
| | | | |
| | iii) min. of 95% MOD AASHTO density to a | | |
| | depth of 150mm | m ³ | |
| | | | |
| | b) In-place treatment of road-bed in interme- | | |
| | diate or hard rock material by : | | |
| | i) Ripping | m ³ | |
| | | | |
| | ii) Blasting | m ³ | |
| | | | |
| 4.3.3 | Cut to Fill | | |
| | a) Cut to fill and compact to 90% of MOD | | |
| | AASHTO density | m ³ | |
| | | | |
| | b) Cut to fill and compact to 93% of MOD | | |
| | AASHTO density | m ³ | |
| | | | |
| 4.3.4 | Borrow to Fill | | |
| | a) Borrow to fill and compact to 90% of MOD | | |
| | AASHTO density. | m ³ | |
| | | | |
| | b) Borrow to fill and compact to 93% of MOD | | |
| | AASHTO density | m ³ | |
| | | | |



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|--------|---|------------------|--|
| | c) Borrow to fill and compact to 95% of MOD | | |
| | AASHTO density | m ³ | |
| | | | |
| 4.3.5 | Selected Layer | | |
| | a) Selected layer compacted to 93% of MOD | | |
| | AASHTO density | m³ | |
| | b) Selected gravel wearing course compacted | | |
| | to 95% of MOD AASHTO density. | m ³ | |
| | | | |
| 4.3.6 | Excavating and Breaking Down Material | | |
| | Extra over items 7.3.3, 7.3.4 and 7.3.5 for | | |
| | excavating and breaking down material in : | | |
| | a) intermediate excavation | m³ | |
| | b) Hard excavation | m³ | |
| | c) Boulder excavation Class A | m³ | |
| | d) Boulder excavation Class B | m³ | |
| 4.3.7 | Cut to Spoil or Stockpile From : | | |
| | a) Soft excavation | m³ | |
| | b) intermediate excavation | m ³ | |
| | c) Hard excavation | m ³ | |
| | d) Boulder excavation Class A | m ³ | |
| | e) Boulder excavation Class B | m³ | |
| 4.3.8 | Removal of Oversize Material | | |
| 4.3.9 | Overbreak of Excavation in : | | |
| | a) intermediate excavation | m ³ | |
| | b) Hard excavation | m ³ | |
| | c) Boulder excavation Class A | m ³ | |
| | d) Boulder excavation Class B | m ³ | |
| 4.0.40 | Materiala Disela da Mindau | | |
| 4.3.10 | Materials Bladed to Window | | |
| 4.3.11 | Stockpile | | |
| | Extra over items 7.3.1, 7.3.3, 7.3.4 or 7.3.5 for | | |
| | temporary stockpiling of material | m ³ | |
| | | | |



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|--------|---|------------------|------|
| 4.3.12 | <u>Overhaul</u> | | |
| | Extra over items 7.3.1, 7.3.3, 7.3.4, 7.3.5, 7.3.7, | | |
| | 7.3.8 or 7.3.11 for haulage beyond the 0.5km | | |
| | freehaul distance. | m³.km | |
| | | | |
| 4.3.13 | Surface Finishes | | |
| | a) Topsoiling | m² | |
| | | | |
| 4.3.14 | Mounds, Channels and Mitre Banks | | |
| | Construct catchwater mounds, channels and | | |
| | mitre banks. | m ³ | |
| | | | |
| | | | |
| 4.3.15 | Chemical stabilization extra over unstabilized | | |
| | compacted layers : | | |
| | a) Gravel sub-base course (150mm thick) | m ³ | |
| | | | |
| | b) Gravel base course (150mm thick) | m ³ | |
| | | | |
| 4.3.16 | Chemical Stabilizing Agent : | | |
| | a) Ordinary Portland Cement | t | |
| | | L L | |
| | b) Portland blast furnace cement | t | |
| | | L L | |
| 4.3.17 | Provision and application of water for curing | kl | |
| 1.0.17 | | N | |
| 4.4 | DRAINS | | |
| | | | |
| 4.4.1 | Excavation for Open Drains | | |
| 4.4.1 | a) Excavate in soft material in the depth range | | |
| | 0 m up to 1.5m below surface level | | |
| | | m ³ | |
| | b) Extra-over sub-item 7.4.1a) for excavation in: | | |
| | i) Intermediate material | | |
| | | m ³ | |
| | ii) Hard rook | | |
| | ii) Hard rock | m³ | |
| 4.4.2 | Evenuation for Subsoil Drainage Sustants | | |
| 4.4.Z | Excavation for Subsoil Drainage Systems | | |
| | a) Excavate in soft material within the following | | |



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 depth ranges below surface level :

 i) 0m up to 1.5m
 m³

| | i) 0m up to 1.5m | m³ | | |
|-------|---|----------------|--|--|
| | | | | |
| | ii) Exceeding 1.5m and up to 2.5m | m ³ | | |
| | | | | |
| | iii) Exceeding 2.5m and up to 3.5m | m ³ | | |
| | | | | |
| | b) Extra-over sub-item 7.4.2 (a) for excavation in: | | | |
| | i) Intermediate material | m ³ | | |
| | | | | |
| | ii) Hard rock | m³ | | |
| 4.4.3 | Permeable material in subsoil drainage systems : | | | |
| | a) Coarse grade sand from approved natural | | | |
| | Sources | m³ | | |
| | | | | |
| | b) Course aggregate | | | |
| | i) 19mm | m³ | | |
| | | | | |
| | ii) 40mm | m³ | | |
| | | | | |
| 4.4.4 | Synthetic fibre filter fabric, needle punched | | | |
| | (235 g / m²) | m² | | |
| | | | | |
| 4.5 | CONCRETE CULVERTS | | | |
| | | | | |
| 4.5.1 | Earthworks | | | |
| | Restricted Excavation | | | |
| | a) Excavate for designated culverts in all | | | |
| | materials and use for fill material in depths | | | |
| | 0 - 3m | m³ | | |
| | | | | |
| | b) Extra-over item 7.5.1 b) for excavation in : | | | |
| | i) intermediate material | m³ | | |
| | ii) hard rock | m³ | | |
| | | | | |
| 4.6 | STORMWATER DRAINAGE | | | |
| | | | | |
| 4.6.1 | Supply and lay concrete pipe culverts on Class C | | | |
| | Bedding | | | |



Private Bag X8611 Groblersdal 0470, 3 West Street Groblersdal 0470 Tel : (013) 262 7300, Fax: (013) 262 3688 E-Mail : sekinfo@sekhukhune.co.za a) 600 dia 50D m b) 900 dia 50D m c) 1 050 dia 50D m 4.6.2 Supply and lay portal culverts of dimensions 900 x 450 mm, ribbed arch, Class C m 4.6.3 Concrete floor to End-Structure a) Rough vertical plane m² b) High-tensile welded mesh ref 395 m² c) High-tensile steel bars t d) Strength concrete class 25/19 т³ 4.6.4 Brickwork in end-Structure Brickwork type NFX in the following wall thicknesses: i) 230mm m² ii) 345mm m² 4.7 **MARK-UP RATES** 4.7.1 Percentage mark-up on rates listed on term contracts % 4.7.2 Percentage mark-up on items (with attached invoices) approved by the Employer or his representative for materials, (other than those set out in this list) used in execution of work ordered by the Employer % 4.8 Tip trucks (a) 6 m³ h (b) 10 m³ h 4.9 Flat bed trucks (a) 5t km (b) 7t km 4.1 LDV



| (a) 2 x 4WD | km | | |
|--|----|--|--|
| (b) 4 x 4WD | km | | |
| | | | |
| TOTAL SCHEDULE 3 CARRIED FORWARD TO SUMMARY | | | |
| Mark up rates: 15% | | | |
| | | | |

| SCHEDU | LE 5 : SEWER WORKS | | | | |
|---------|---|----------------|----------------|--------|--------|
| | | | | | |
| ITEM | ITEM DESCRIPTION | UNIT | UNIT PRICES | | |
| | | | | | |
| 5 | SEWERS AND THE SUPPLY OF ALL MATERIAL | | YEAR 1 | YEAR 2 | YEAR 3 |
| 5.1.1 | PIPELINE ROUTE CLEARANCE | | | | |
| 5.1.1.1 | (a) Clear vegetation and trees of girth up to 1 m | m | | | |
| | (b) Clear trees of girth over 1 m up to 2m | no | | | |
| 5.1.2 | EXCAVATION | | | | |
| 5.1.2.1 | Excavation in all materials for trenches for 100 to | | | | |
| | 200mm DN sewer pipes, including for backfilling, | | | | |
| | compaction and disposal of surplus or unsuitable | | | | |
| | material, to the following depths : | | | | |
| | a) up to 1,0m | m | | | |
| | b) over 1,0m up to 2,0m | m | | | |
| | c) over 2,0m up to 3,0m | m | | | |
| | d) over 3,0m up to 4,0m | m | | | |
| 5.1.2.2 | Extra-over item 8.1.2.1 for: | | | | |
| | a) Intermediate excavation | m ³ | | | |



| | b) Hard rock excavation | m ³ | | 1 | |
|----------|--|--------------------|---|---|--|
| | | | | | |
| 5.1.2.3 | Excavate unsuitable material from trench bottom and | | | | |
| | disposal thereof | m ³ | | | |
| | | | | | |
| 5.1.2.4 | Imported backfill materials from designated borrow pits | m ³ | | | |
| | | | | | |
| 5.1.2.5 | Opening and closing down of borrow pits of 1ha size | sum | | | |
| 5.1.2.6. | Compaction in road record re | | | | |
| 5.1.2.0. | Compaction in road reserves | m ³ | | | |
| 5.1.2.7 | Overhaul | | | | |
| 5.1.2.1 | a) Short haul: over 0,5km up to 1,0km | | | | |
| | | m ³ | | | |
| | b) Truck haul: over 1km | m ³ .km | | | |
| | | 111°.NIT | | | |
| 5.1.2.8 | Reinstate road surfaces | | | | |
| | Asphalt surfacing of 40mm thickness in road crossing | m ² | | | |
| | | | | | |
| 5.1.2.9 | Existing services that: | | | | |
| | i) intersect a trench | no | | | |
| | ii) adjoin a trench | m | | | |
| | | | | | |
| 5.1.3 | PIPE BEDDING | | | | |
| | | - | | _ | |
| 5.1.3.1 | Provision of selected granular material for bedding | | | | |
| | cradle class C, obtained from: | | | | |
| | a) trench excavation | m ³ | | | |
| | b) borrow pits | | | | |
| | | m ³ | | | |
| 5.1.3.2 | Provision of selected fill material for blanket obtained | | | | |
| 0.110.2 | from: | | | | |
| | a) trench excavation | m ³ | | | |
| | · · | | | 1 | |
| | b) borrow pits | m ³ | | | |
| | | 1 | 1 | 1 | |
| 5.1.3.3 | Overhaul of imported material for bedding cradle and | | | | |
| | selected fill blanket | m³/.km | | | |



| | | 1 | 1 | 1 | 1 |
|---------|---|-----|---|---|---|
| | | | | | |
| | | | | | |
| 5.1.4 | PIPE LAYING | | | | |
| | | | | | |
| 5.1.4.1 | Supply, lay, joint and test 100mm dia Fibre cement | | | | |
| | series 4 pipes on Class C bedding | m | | | |
| | | | | | |
| 5.1.4.2 | Supply, lay, joint and test 150mm dia Fibre cement | | | | |
| - | series 4 pipes on Class C bedding | m | | | |
| | | | - | | |
| 5.1.4.3 | Supply lowisist and test 200 mm dis fibre coment | | | - | |
| 5.1.4.5 | Supply, lay joint and test 200 mm dia fibre cement | | | | |
| | series 4 pipes on class C bedding | m | | | |
| | | | | | |
| 5.1.4.4 | Supply, lay joint and test 250 mm dia fibre cement | m | | | |
| | series 4 pipes on class C bedding. | | | | |
| 5.1.4.5 | | | | | |
| 5.1.4.5 | Extra-over items 8.1.4.1 to 8.1.4.4 for: Cutting and trimming pipes to form closure pieces at manholes in | | | | |
| | accordance with manufacturer's specifications: | | | | |
| | | | | | |
| | | | | | |
| | a) 100mm dia | no | | | |
| | | 110 | | | |
| | b) 150mm dia | | | | |
| | | no | | - | |
| | | | | | |
| | c) 200 mm dia | no | | | |
| | | | | | |
| | d) 250 mm dia | no | | | |
| | | | | | |
| 5.1.5 | MANHOLES | | | | |
| | | | | | |
| 5.1.5.1 | Construction of 1000mm dia precast manholes | | | | |
| | including concrete blinding layer, inlet and outlet pipes, | | | | |
| | junctions,tapers, channel sections in floor slab and step | | | | |
| | irons.(Manhole covers, spacer rings, benching & channel-ling measured separately). For depths | | | | |
| | (measured from top of cover slab to bottom of base) up | | | | |
| | to but not exceeding: | | | | |
| | | | | | |
| | a) 1,5m | no | | | |
| | b) 2,0m | no | | | |
| | c) 2,5m | no | | | 1 |
| | · · · | | | | |



| | d) 3,0m | no | | |
|---------|--|----|------|--|
| | e) 3,5m | no | | |
| | | | | |
| 5.1.5.2 | Extra-over item 8.1.5.1 for benching and forming channelling in floors of manholes (using standard channels in concrete) including steel float finishing (per | | | |
| | each complete manhole) | | | |
| | a) 1000mm dia manholes | no | | |
| | | | | |
| 5.1.5.3 | Supply and install precast concrete spacer rings | no | | |
| | | | | |
| | a) 500mm dia manholes | no | | |
| | a) 1000mm dia manholes | no | | |
| | a) 1500mm dia manholes | no | | |
| | a) 2000mm dia manholes | no | | |
| | | | | |
| 5.1.5.4 | Supply and installation of concrete reducer slab and concrete encased cast iron manhole cover and frame, including two final coats of bituminous paint on completion. | | | |
| | | | | |
| | | | | |
| | a) With manhole cover and frame to SABS 558-1973 Type 4 | no | | |
| | | | | |
| | b) With manhole cover and frame to SABS 1294-1973 Type 2A | no | | |
| 5.1.5.5 | Supply and installation of precast concrete cover slab with steel banded concrete lid according to SABS 1123-1981 | no | | |
| | | | | |
| 5.1.5.6 | Construction and testing of 100mm dia rodding eye all to depths not exceeding 2,0m | no | | |
| | | | | |
| 5.2 | OXIDATION PONDS | | | |
| 5.2.1 | SITE CLEARANCE | | | |
| | | | | |
| 5.2.2.1 | Clear and strip new oxidation pond site | ha | | |
| 5.2.2 | BULK EXCAVATION | | | |
| | | 1 | | |



| 5.2.2.1 | a) Excavate in all materials and | | | |
|-----------|---|----------------|---|--|
| | i) use in embankment fill compacted to 93% | | | |
| | of MOD AASHTO density | m ³ | | |
| | ii) spoil in designated area | m ³ | | |
| | | | | |
| | b) Extra-over item 8.2.2.1(a) for: | | | |
| | i) Intermediate excavation | m ³ | | |
| | ii) Hard rock excavation | m³ | | |
| | | | | |
| | c) Preparation & compaction of in-situ material to | | | |
| | 90% MOD AASHTO density | m³ | _ | |
| | STRUCTURES AND OXIDATION PONDS | | | |
| 5.2.3 | RESTRICTED EXCAVATION | | | |
| | | | | |
| 5.2.3.1 | a) Excavate for restricted foundations, footings and pipe trenches in all materials and use for backfill or spoil | m ³ | | |
| | | | | |
| | b) Excavate in all materials for apron slabs on embankment slopes | m³ | | |
| 5.2.3.2 | Extra excavation in all materials to provide working Space around structures | m³ | | |
| 5.2.3.3 | OVERHAUL TO ITEMS 8.2.2 AND 8.2.3 | | | |
| | | | | |
| | a) Short haul 1,0 - 2,0 km | m ³ | | |
| | b) Long overhaul | m³.km | | |
| | | | | |
| 5.2.4 | CONCRETE | | | |
| | 5001110001/ | | | |
| 5.2.4.1 | FORMWORK | | | |
| | (Mainly narrow widths from 100mm to 1000mm) | | | |
| 5.2.4.1.1 | a) Smooth vertical formwork in inlet structure | m² | | |
| | b) Smooth vertical formwork in outlet structure | m² | | |
| | | | | |



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|-----------|--|----------------|--|--|
| | c) Smooth vertical formwork in spillway structures | m² | | |
| | | | | |
| | d) Smooth horizontal formwork in spillway structures | m² | | |
| | e) Smooth vertical formwork in apron slab sides | m² | | |
| | | | | |
| 5.2.4.2 | REINFORCEMENT | | | |
| | | | | |
| 5.2.4.2.1 | High-tensile welded mesh reference 395 | m² | | |
| 5.2.4.2.2 | High-tensile steel reinforcement | t | | |
| | | | | |
| 5.2.4.3 | CONCRETE | | | |
| 0.2. 1.0 | | | | |
| 5.2.4.3.1 | a) Strength concrete grade 20/19 in inlet and | | | |
| 5.2.4.5.1 | outlet structures. | | | |
| | | m ³ | | |
| | | | | |
| | b) Strength concrete grade 20/19 in spillway | | | |
| | Structures | m³ | | |
| | c) Strength concrete grade 20/19 in apron slabs | m ³ | | |
| | | | | |
| | d) Strength concrete grade 15/19 in blinding | | | |
| | layers 50mm thick | m² | | |
| 5.2.4.3.2 | Unformed surface finishes | | | |
| | a) Woodfloated finish on all unformed surfaces of | | | |
| | Structures | m² | | |
| | | | | |
| | b) Woodfloated finish on apron slabs | m² | | |
| | | | | |
| | c) Steel floated finish | m² | | |
| 5.2.5 | JOINTS | | | |
| | a) Contraction joints in apron slabs 150mm thick | m | | |
| | b) Contraction joints in apron slabs 75mm thick | m | | |
| | | | | |
| 5.2.6 | BUILDING WORK | | | |
| | | | | |
| - | | | | |



| 5.2.6.1 | Brickwork | | | |
|---------|---|-----|------|--|
| | 110mm brickwork with FBS bricks including brickforce | m² | | |
| | | | | |
| 5.2.6.2 | 230mm brickwork with FBS bricks including brickforce | m² | | |
| | | | | |
| 5.2.6.3 | 230mm brickwork with FBS bricks both sides including | | | |
| | Brickforce | m² | | |
| | | | | |
| 5.2.6.4 | 15mm thick plaster coat | m² | | |
| | | | | |
| 5.2.6.5 | Damp proof course | | | |
| | 375 micron waterproof sheeting in 230mm thick walls | m | | |
| | | | | |
| 5.2.6.6 | Door and Frame | | | |
| | Standard 815mmx2032mm single panel steel | | | |
| | chawl door with 220mm frame complete | no | | |
| 5007 | | | | |
| 5.2.6.7 | <u>Windows</u> | | | |
| | Standard residential type NE1 window with 3mm | | | |
| | float glass complete | no | | |
| 5.2.6.8 | Roof | | | |
| 0.2.0.0 | Fibre cement roof sheeting (Modulit Pattern) complete | | | |
| | with rafters, fixing bolts and bird proofing closure | m² | | |
| | | 10- | | |
| 5.3 | MARK-UP RATES | | | |
| | | | | |
| 5.3.1 | Percentage mark-up on rates listed on term contracts | % | | |
| | | | | |
| 5.3.2 | Percentage mark-up on items (with attached in- | | | |
| | voices) approved by the Employer or his representative | | | |
| | for materials, (other than those set out in this list) used | | | |
| | in execution of work ordered by the Employer | % | | |
| 5.4 | Tip trucks | | | |
| 5.4 | (a) 6 m ³ | h | | |
| | (a) 0 m ³ | h | | |
| | | h | | |
| 5.5 | Flat bed trucks | | | |
| | | | | |



| | (a) 5t | km | | |
|-----|--|----|--|--|
| | (b) 7t | km | | |
| | | | | |
| 5.6 | LDV | | | |
| | (a) 2 x 4WD | km | | |
| | (b) 4 x 4WD | km | | |
| | | | | |
| | SUBTOTAL | | | |
| | TOTAL SCHEDULE 4 CARRIED FORWARD TO SUMMARY | | | |
| | | | | |

| <u>sc</u> | HEDULE 6 : FILTER DRAINS (REPLACEMENT OF FILTER M | <u>EDIA)</u> | | | |
|-----------|--|--------------|--------|------------|--------|
| | | | | | |
| ITEM | ITEM DESCRIPTION | UNIT | U | NIT PRICES | |
| | | | | | |
| | | | YEAR 1 | YEAR 2 | YEAR 3 |
| 6 | FILTER DRAINS AND THE SUPPLY OF ALL MATERIAL | | | | |
| | Note : haulage up to 0.5km is considered free-haul) | | | | |
| 6.1 | SITE CLEARANCE | | | | |
| •••• | | | | | |
| 6.1.1 | Clearing of site | ha | | | |
| 6.1.2 | a) Removal of debris and silt at inlets to hydraulic structures and in filter beds | | | | |
| | b)Clean out pipes with internal diameter: | m³ | | | |
| | i) up to 150mm | | | | |
| | ii) exceeding 150mm up to 300mm | m³ | | | |
| | iii) exceeding 300mm up to 600mm | m³ | | | |
| | iv) exceeding 600mm | m³ | | | |
| | c) Remove unsuitable filter media from filters and dispose within the free-haul distance | m³ | | | |
| | | | | | |
| | | | | | |



Private Bag X8611 Groblersdal 0470, 3 West Street Groblersdal 0470 Tel : (013) 262 7300, Fax: (013) 262 3688 E-Mail : sekinfo@sekhukhune.co.za d) Remove existing filter media and store each grading (max. 4) separately т³ 6.1.3 Remove and grub large trees and stumps of girth: a) over 1m and up to and including 2m no b) over 2m and up to and including 3m no 6.1.4 Reclear surfaces (only on instructions from the Engineer) 6.1.5 Take down existing fences: a) stockproof fence km b) security fence km 6.1.6 Dismantle and remove pipelines with internal diameter: a) up to 150mm m b) exceeding 150mm up to 300mm m c) exceeding 300mm up to 600mm m d) exceeding 600mm up to 1000mm m 6.1.7 Demolish and remove structures and dismantle steelwork a) Break out and remove second stage concrete (class 10 т³ Mpa) b) Break out and remove defective first stage concrete (class 25 Mpa)

т³

т³

i) unreinforced

ii) reinforced

c) Break out and remove filter pipe laterals and nozzles

including concrete (10Mpa) encasement



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|---------|---|----------------|--|--|
| | i) Layer thickness 100mm | m³ | | |
| | ii) Layer thickness 200mm | m³ | | |
| | ii) Layer thickness 300mm | m³ | | |
| | | | | |
| | d) Demolish concrete structures: | | | |
| | i) unreinforced | M3 | | |
| | ii) reinforced | M3 | | |
| | e) Extra-over items 9.1.7 (a), (b) and (c) for | | | |
| | cleaning the surfaces of filter floors, walls and collector channels of dust, grit and water | m² | | |
| 6.1.8 | Transport materials and debris to unspecified sites and dump | m³.km | | |
| 6.1.9 | Remove topsoil to nominal depth of 150mm and stockpile | m ³ | | |
| 6.2 | EARTHWORKS : PIPE TRENCHES | | | |
| 6.2.1 | EXCAVATION | | | |
| 6.2.1.1 | Excavation in all materials for trenches for 200mm diameter pipes and smaller. Rates nominal include backfill, compact and dispose of surplus material. | | | |
| | a) Up to 1,5m deep | m | | |
| | b) Over 1,5m up to 2,5m deep | m | | |
| 6.2.1.2 | Extra-over item for 9.2.1.1 | | | |
| | a) Intermediate excavation | m³ | | |
| | b) Hard rock excavation | m³ | | |
| | | | | |



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|--|---|--|---|
| Import backfill material from designated borrow pits | m³ | | |
| | | | |
| Opening up and closing down of designated borrow pit | ha | | |
| Compaction in road reserve | m³ | | |
| Overbaul | | | |
| | | | |
| | | | |
| b) Long overnaul | m².ĸm | | |
| Shore trench opposite structure or service | m | | |
| Existing services that intersect or adjoin a pipe trench | | | |
| | | | |
| a) Services that intersect a trench | no | | |
| b) Services that adjoin a trench | m | | |
| | | | |
| Reinstate road surfaces complete with all courses | | | |
| a) Gravel on shoulders | m² | | |
| b) Asphalt of thickness 40mm in parking area | m² | | |
| c) Asphalt of thickness 40mm in roadway | m² | | |
| REDDING (Pines) | | | |
| | | | |
| Provision of bedding from trench excavation: | | | |
| | | | |
| a) Selected granular material | m³ | | |
| b) Selected fill material | m³ | | |
| | | | |
| | | | |
| | | ├ ─── ├ ─── | |
| a) Selected granular material | m³ | | |
| b)Selected fill material | m³ | | |
| | Import backfill material from designated borrow pits Opening up and closing down of designated borrow pit Compaction in road reserve Overhaul a) Limited overhaul (0,5 to 1,0km) b) Long overhaul Shore trench opposite structure or service Existing services that intersect or adjoin a pipe trench a) Services that intersect a trench b) Services that adjoin a trench Reinstate road surfaces complete with all courses a) Gravel on shoulders b) Asphalt of thickness 40mm in parking area c) Asphalt of thickness 40mm in roadway BEDDING (Pipes) Provision of bedding from trench excavation: a) Selected granular material | Import backfill material from designated borrow pits m³ Opening up and closing down of designated borrow pit ha Compaction in road reserve m³ Overhaul | Import backfill material from designated borrow pits m³ |



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|-----------|---|----------------|---|--|
| 6.2.2.2.2 | From borrow pits | | | |
| | a) Selected granular material | m³ | | |
| | b)Selected fill material | m³ | | |
| | | | | |
| 6.2.2.2.3 | From commercial sources | | | |
| | a) Selected granular material | m³ | | |
| | b) Selected fill material | m³ | | |
| 6.2.2.2.4 | Concrete bedding cradle class 20/19 | m ³ | | |
| | | | | |
| 6.2.2.2.5 | Encasing of pipes in concrete class 20/19 | m³ | | |
| | | | | |
| 6.2.2.2.6 | Overhaul of material for bedding cradle and selected fill blanket | m³.km | | |
| | | | | |
| 6.3 | MEDIUM PRESSURE PIPELINES | | | |
| | | | | |
| 6.3.1 | uPVC Pressure Pipes | | | |
| | | | | |
| 6.3.1.1 | Supply and install uPVC pipe pieces, solvent welded joints, in the following diameters: | | | |
| | | | | |
| | a) 200mm dia Class 16 | m | | |
| | b) 160mm dia Class 16 | m | | |
| | c) 140mm dia Class 16 | m | | |
| | d) 125mm dia Class 16 | m | | |
| | e) 110mm dia Class 16 | m | | |
| 6.3.2 | | | | |
| | <u>uPVC pressure pipe fittings (class 16), solvent welded joints:</u> | | | |
| 6.3.2.1 | End caps | | | |
| | | | | |
| | a) 200mm dia | no | | |
| | b) 160mm dia | no | _ | |
| | c) 125mm dia | no | _ | |
| | d) 110mm dia | no | | |



Private Bag X8611 Groblersdal 0470, 3 West Street Groblersdal 0470 Tel : (013) 262 7300, Fax: (013) 262 3688 E-Mail : sekinfo@sekhukhune.co.za 6.3.2.2 Tees a) 200mm dia no b) 160mm dia no c) 125mm dia no d) 110mm dia no 6.4 STRUCTURAL CONCRETE 6.4.1 **FORMWORK** 6.4.1.1 m² Smooth vertical formwork 6.4.1.2 Smooth horizontal formwork m² 6.4.1.3 Special smooth, repaired and rubbed m² 6.4.2 REINFORCEMENT 6.4.2.1 Steel bars a) mild steel t t b) high tensile steel 6.4.2.2 High tensile welded mesh a) ref. 395 m² b) ref. 245 m² c) ref.193 m² 6.4.3 **CONCRETE** 6.4.3.1 Prescribed mix 1:3 cementitious grout т³ 6.4.3.2 Blinding layer in 50mm thick concrete class 15/19 т³ 6.4.3.3 Strength concrete mPa

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Private Bag X8611 Groblersdal 0470, 3 West Street Groblersdal 0470 Tel : (013) 262 7300, Fax: (013) 262 3688 E-Mail : sekinfo@sekhukhune.co.za a) Class 15/6, 7 т³ b) Class 15/13 т³ c) Class 15/19 т³ d) Class 20/13 т³ e) Class 20/19 т³ f) Class 25/19 m³ g) Class 30/19 т³ h) Class 30 non-shrink cementitious grout т³ 6.4.3.4 Extra-over item 9.4.3.3 for application to existing concrete surface prior to concrete pour of: m² a) latex bonding agent b)epoxy wet-to-dry bonding agent m² 6.4.3.5 Unformed surface finishes: a) wood floated finish m² b) steel floated finish m² 6.4.3.6 Manufacture and install precast elements a) Fibre-cement cover plates 500 x 115 x 16mm thick, installed no between filter pipe . 6.4.3.7 Miscellaneous metal work Supply, deliver and install: a) 12 dia stainless steel anchor bolts i) 200mm long no ii) 260mm long no iii) 320mm long no b) Stainless steel flat bar of cross section 50mm x 10mm i) 2000mm long no ii) 2500mm long no iii) 3000mm long no iv) 3500mm long no



| 6.5 | FILTER MEDIA | | | |
|-------|---|----------------|---|---|
| | (Note : all materials measured nett as installed in final position). | | | |
| | | | | |
| | Supply, deliver, install and wash the following graded filter media: | | | |
| | | | | |
| | a) 6 - 12mm graded stone | m³ | | |
| | b) 2.36 - 4.75mm graded grit | m³ | | |
| | c) 0.6 - 1.18mm graded silica sand | m³ | | |
| | d) 1.2 - 2.4mm graded anthracite | M ³ | | |
| 6.6 | GEOTEXTILE | | | |
| 6.6.1 | Supply and install non-woven, needle punched geotextile filter fabric of the following class: | | | |
| | a) 210 g/m² | m² | | |
| | b) 270 g/m ² | m² | | |
| | c) 240 g/m ² | m² | | |
| | | | | |
| 6.7 | CLEAN CRUSHED ROCK | | | |
| 6.7.1 | Supply and install the following clean crushed rock as natural permeable material in subsurface drainage system: | | | |
| | | | | |
| | a) 13.2mm | m³ | | |
| | b) 19mm | m³ | | |
| | c) 25mm | m³ | | |
| | d) 38mm | m³ | | |
| 6.8 | MARK-UP RATES | | | |
| 6.8.1 | Percentage mark-up on rates listed on term contracts | % | | |
| 6.8.2 | Percentage mark-up on items (with attached in-voices) approved by the Employer or his representative for materials, (other than those set out in this list) used in execution of work ordered by the Employer) | | | |
| | | | | |
| 6.9 | Tip trucks | | | |
| | (a) 6 m ³ | h | | |
| | | 1 1 | 1 | 1 |



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6.10 Flatbed trucks (a) 5t km (b) 7t km 6.11 LDV (a) 2 x 4WD km (b) 4 x 4WD km SUBTOTAL TOTAL SCHEDULE 5 CARRIED FORWARD TO SUMMARY Mark up rates: %

| SCHEI | DULE 7 : HANDRAILING | | | | |
|--------------|---|------|--------|-----------|--------|
| | | | | | |
| ITEM | ITEM DESCRIPTION | UNIT | | UNIT PRIC | ES |
| | | | | | |
| | | | YEAR 1 | YEAR 2 | YEAR 3 |
| 7 | HANDRAILING AND THE SUPPLY OF ALL MATERIAL | - | | | |
| | | | | | |
| 7.1 | Hot dip galvanised Mono type tubular handrailing system according to SABS 0104, for the complete installation, comprising the following components: | | | | |
| | | | | | _ |
| | | | | | |
| | | | | | |
| | <u>a) Tubular handrailing</u> | | | | |
| | Min 33mm OD x 2,5mm thick x 300 Mpa (min) yield stress steel knee and top rails | m | | | |
| | | | | | |
| | | | | | |
| | b) Stanchions | | | | |
| | Min 42mm OD x 3,0mm thick x 300 Mpa (min) yield stress steel spaced at a max of 1,8m centres for the following types: | | | | |
| | | | | | |
| | i) LS90 | no | | | |
| | ii) ST90 | no | | | |



Private Bag X8611 Groblersdal 0470, 3 West Street Groblersdal 0470 Tel : (013) 262 7300, Fax: (013) 262 3688 E-Mail : sekinfo@sekhukhune.co.za iii) SS90 no iv) T90 no v) S90 no vi) P90 no vii) SP40 no viii) SP45 no ix) T40 no x) T45 no xi) S40R no xii) S40L no xiii) S45R no xiv) S45L no xv) TA40 no xvi) TA45 no c) Bends Min 33mm x 2,5mm thick x 300 Mpa (min) yield stress steel tube in the following configurations: i) Standard 90° bend no ii) Standard 135° bend no iii) Straight closure bend no iv) 45° angle closure bend no v) 40° angle closure bend no vi) Stair return bend no vii) Kink bend no d) Ferrules no 7.2 **MARK-UP RATES** 7.2.1 Percentage mark-up on rates listed on term contracts % Percentage mark-up on items (with attached in-tative for materials, (other than those set out inthis list) used 7.2.2 % in execution of work ordered by thevoices) approved by the Employer or his representatives 7.3 Tip trucks



| | (a) 6 m³ | h | | |
|-----|--|----|--|--|
| | (b) 10 m ³ | h | | |
| | | | | |
| 7.4 | Flat bed trucks | | | |
| | (a) 5t | km | | |
| | (b) 7t | km | | |
| | | | | |
| 7.5 | LDV | | | |
| | (a) 2 x 4WD | km | | |
| | (b) 4 x 4WD | km | | |
| | | | | |
| | SUBTOTAL | | | |
| | TOTAL SCHEDULE 6 CARRIED FORWARD TO SUMMARY | | | |



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SCHEDULE 8 : SEPTIC TANKS

| ITEM | ITEM DESCRIPTION | UNIT | | ES | |
|--------|---|----------------|--------|--------|--------|
| | | | | | |
| | | | YEAR 1 | YEAR 2 | YEAR 3 |
| 8 | SEPTIC TANKS AND THE SUPPLY OF ALL MATERIAL | - | | | |
| | | | | | |
| 8.1 | EARTHWORKS : SEPTIC TANK | | | | |
| 8.1.1 | Excavation (measured 0,5m beyond wall perimeter with 1:1,5 side slopes and 0,55m below structure invert level) and use for backfill at 90% MOD AASHTO density, around septic tank or dispose of, as ordered within 0,5km freehaul distance of septic tank site | m³ | | | |
| 8.1.2 | Extra over item 12.1.1 for: | | | | |
| 0.1.12 | a) Intermediate material | m³ | | | |
| | b) Hard rock excavation | m ³ | | | |
| | , | | | | |
| 8.1.3 | Importation of approved gravel material from an open borrow pit within 0,5km freehaul distance, place inbackfill below septic tank and compact to 90% MOD AASHTO density | m³ | | | |
| | | | | | |
| 8.2 | EARTHWORKS : PIPE TRENCHES | | | | |
| | Excavate in all materials for trenches, backfill and compact, including disposal of surplus or unsuitable material for septic tank disposal drains | m | | | |
| | | | | | |
| | Importation of crushed stone, graded 40- 70mm, from a suitable source and place in effluent disposal drain trench | M3 | | | |
| | Importation of crushed stone, graded 70- 150mm, from a suitable source and place in seepage pit at termination of pipe drains | M3 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 8.3 | CONCRETE WORK | | | | |



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1

| 8.3.1 | Formwork | | | |
|---------|--|----------------|---|------|
| | | | | |
| 8.3.1.1 | Smooth off shutter : all vertical surfaces | m² | | |
| | | | | |
| 8.3.1.2 | Smooth off shutter horizontal, underside roof slab | m² | | |
| | | | | |
| 8.3.1.3 | Boxed-out openings all as per drawing | no | | |
| 8.3.2 | Reinforcement | | | |
| 0.0.2 | a) High tensile steel reinforcement | t | | |
| | | L. | | |
| 12.3.3 | <u>Concrete</u> | | | |
| | | | | |
| 8.3.3.1 | a) Blinding layer - 50mm thick in prescribed mix 15 concrete below septic tank | m² | | |
| | | | | |
| | b) Strength mix 25/19 concrete in septic tank floor, walls and roof | M ³ | | |
| | | | | |
| | c) Strength mix 30/19 concrete in manhole floor, walls and roof | m³ | | |
| | | | | |
| | d) Benching strength mix 30/19 concrete in and roof manhole | M3 | | |
| | | | | |
| | e) Strength mix 25/19 reinforced concrete lids for septic tank | no | | |
| | | | | |
| 8.3.4 | Surface finish | | | |
| | a) Wood floated surface finish to floor, roof and internal walls horizontal surfaces | m² | | |
| | | | | |
| | b) 20mm chamfer on all exposed concrete edges | m | | |
| | | | | |
| 8.3.5 | BUILDING WORK | | | |
| | Brickwork | | | |
| | a) 230mm brickwork with type FBS bricks both sides in manhole walls | m² | | |
| | b) 115mm brickwork | m² | | |
| | | | 1 | |



| 8.3.6 | FIBRE CEMENT SEPTIC TANK | | 1 | 1 | |
|-------|--|----|---|---|--|
| 0.3.0 | Supply and install 1350R fibre-cement septic tank. (Note: excavation and concrete footing measured elsewhere) | no | | | |
| | measured elsewhere) | | | | |
| 8.4 | PIPE LAYING | | | | |
| | Supply, lay, joint and test 110DN corrugated radial rib profile, drainage pipe: | | | | |
| | a) unslotted | m | | | |
| | b) slotted | m | | | |
| 8.5 | MARK-UP RATES | | | | |
| 8.5.1 | Percentage mark-up on rates listed on term contracts | % | | | |
| 85.2 | Percentage mark-up on items (with attached invoices) approved by the Employer or his representative for materials, (other than those set out in this list) used in the execution of work ordered by the Employer | % | | | |
| | | | | | |
| 8.6 | Tip trucks | | | | |
| | (a) 6 m ³ | h | | | |
| | (b) 10 m ³ | h | | | |
| 8.7 | Flat bed trucks | | | | |
| | (a) 5t | km | | | |
| | (b) 7t | km | | | |
| 8.8 | LDV | | | | |
| | (a) 2 x 4WD | km | | | |
| | (b) 4 x 4WD | km | | | |
| | | | | | |
| | | | | | |
| | Mark up rates: | % | | | |



| <u>SCHEDUI</u> | <u>E9 : CIRCULAR CONCRETE RESERVOIRS</u> | | | | |
|----------------|---|-------|-------|------------|--------|
| | | | | | |
| ITEM | ITEM DESCRIPTION | UNIT | | UNIT PRICE | S |
| | | | YEAR1 | YEAR 2 | YEAR 2 |
| • | | | | | |
| 9 | CIRCULAR CONCRETE RESERVOIRS Note : haulage up to 0.5km is considered free- haul) | | | | |
| | | | | | |
| 9.1 | RESERVOIR CONSTRUCTION | | | | |
| 9.1.1 | SITE CLEARANCE | | | | |
| 9.1.1.1 | Clear and grub site | ha | | | |
| | | | | | |
| 9.1.1.2 | Remove and grub large trees and stumps of girth: | | | | |
| | a) over 1m and up to and including 2m | no | | | |
| | b) over 2m and up to and including 3m | no | | | |
| 9.1.1.3 | Reclear surfaces (only on instructions from the Engineer) | ha | | | |
| 9.1.1.4 | Take down existing fences | | | | |
| | a) Stockproof fence | km | | | |
| | b) Security fence | km | | | |
| 9.1.1.5 | Transport materials and debris to unspecified sites and dump | m³.km | | | |
| | | | | | |
| 9.1.1.6 | Remove topsoil to nominal depth of 150mm and stockpile | m³ | | | |
| | | | | | |
| 9.1.2 | EARTHWORKS | | | | |
| 9.1.2.1 | Bulk excavation (measured 1.0m beyond wall perimeter with 1:1 slopes) and use for backfill at) and use for backfill at perimeter with 1:1 slopes) and use for backfill at perimeter with 1:1 slopes. | m³ | | | |



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|---------|--|----------------|----|------|
| 9.1.2.2 | Extra-over item 13.1.2.1 for: | | | |
| | a) intermediate excavation | m ³ | | |
| | b) hard rock excavation | m ³ | | |
| | c) boulder excavation class A | m ³ | | |
| | d) boulder excavation class B | m ³ | | |
| | | | | |
| 9.1.2.3 | Excavate for restricted foundations, footings and pipe trenches in all materials and use for backfill,embankment or dispose. | m³ | | |
| | | | | |
| 9.1.2.4 | Extra-over item 13.1.2.3 for: | | | |
| | a) intermediate excavation | m³ | | |
| | b) hard rock excavation | m³ | | |
| | c) boulder excavation class A | m³ | | |
| | d) boulder excavation class B | m³ | | |
| 9.1.2.5 | Extra-over for importation of materials | | | |
| | a) from borrow pits | m³ | | |
| | | | | |
| | b) from commercial sources | | | |
| | i) 6,7mm crushed rock | m³ | | |
| | ii) 13mm crushed rock | m³ | | |
| | iii) 19mm crushed rock | m³ | | |
| | iv) 25mm crushed rock | m³ | | |
| | v) 38mm crushed rock | m³ | | |
| 9.1.2.6 | Opening up and closing down of designated borrow pit | ha | | |
| | | | | |
| 9.1.2.7 | Extra-over item 13.1.2.1 and 13.1.2.3 for: | | | |
| | a) limited overhaul | m ³ | | |
| | b) long overhaul in excess of 0.5km | m³.km | | |
| 9.1.3 | CONCRETE WORK | | | |
| 9.1.3.1 | FORMWORK | | | |
| | a) Rough | m² | | |

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|---------|--|----|-----|--|
| | b) Smooth | | | |
| | i) all vertical surfaces to be backfilled | m² | | |
| | ii) underside of roof slab | m² | | |
| | | | | |
| | c) Special smooth, repaired and rubbed | | | |
| | i) all exposed vertical surfaces | m² | | |
| | /···· | | | |
| | d) Narrow widths | | | |
| | i) up to 300mm wide | m² | | |
| | ii) chamfered edges 20mm x 20mm | m | | |
| | iii) triangular drip groove 25mm | m | | |
| | | | | |
| | e) Box-out openings (rectangular) of area up to | | | |
| | | L | 1 | |
| | Deep | no | | |
| | | | | |
| | f) Box-out openings (rectangular) of area over | | | |
| | 0.1m ² up to and including 0.5m ² up to and including 0.5m deep) | no | | |
| | including 0.5m deep) | | | |
| | | | | |
| 9.1.3.2 | REINFORCEMENT | | | |
| | a) Steel bars | | | |
| | i) mild steel | t | | |
| | ii) high tensile steel | t | | |
| | | | | |
| | b) High tensile welded mesh | | | |
| | i) ref. 395 | m² | | |
| | ii) ref. 245 | m² | | |
| | iii) ref. 193 | m² | | |
| | | | | |
| 9.1.3.3 | CONCRETE | | | |
| | | | | |
| | a) Prescribed mix 1:3:6 (38) in cavities formed by overbreak, only upon instruction of the Engineer. | m³ | | |
| | | | | |
| | b) Prescribed mix 1:6 for topping on floor and roof | | | |
| | screeded to fall | M3 | | |
| | | | | |
| | c) Blinding layer - 50mm thick in class 15/19 | m³ | | |
| | concrete | | | |
| | | | | |
| | d) Strength concrete | | | |



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|-----------|---|----------------|-----|--|
| | i) Class 15/19 for filling of pockets in excavated foundations where such over-excavations were ordered by the Engineer | m³ | | |
| | ii) Class 20/19 | m ³ | | |
| | iii) Class 25/19 | m³ | | |
| | iv) Class 30/19 | m³ | | |
| | | | | |
| | e) Surface finish | | | |
| | i) wood floated surface finish to floor, roof and | | | |
| | Screeds | m² | | |
| | ii) steel floated | m² | | |
| | iii) power floated | m² | | |
| | | | | |
| 9.1.3.5 | JOINTS | | | |
| | | | | |
| 9.1.3.5.1 | Forming of new expansion and contraction joints | m | | |
| | | | | |
| 9.1.3.5.2 | Extra-over item 13.1.3.5.1 for cleaning, priming and sealing of 10mm square contraction joints with Jacolastic or equivalent. | m | | |
| | | | | |
| | | | | |
| | | | | |
| 9.1.3.5.3 | a) Waterbars (Expandible) Expandible preformed hydrophilic elastomer joint sealing waterstop as Sika Water Swebber WS 2010 or equivalent | m | | |
| | | | | |
| 9.1.3.5.4 | Waterbars (Moulded) Precision moulded rubber or PVC waterbars in the following profiles: | | | |
| | | | | |
| | a) Centre bulb (in expansion joints) of width: | | | |
| | i) 190mm | m | | |
| | ii) 220mm | m | | |
| | iii) 250mm | m | | |
| | iv) 300mm | m | | |
| | b) Dumb-bell (in contraction and construction joints) of width: | | | |
| | i) 150mm | | | |
| | i) 150mm | m | | |



ii) 190mm m iii) 220mm m Lay-flat external type (in contraction joints in walls and slabs) of width: i) 220mm m ii) 250mm m iii) 250mm with centre bulb for expansion joints. m 9.2 **RESERVOIR REPAIRS** 9.2.1 CONCRETE 9.2.1.1 Prescribed mix 1:3 cementitious grout m³ 9.2.1.2 Class 30 non-shrink cementitious grout т³ Extra-over items 13.1.3.3, 13.2.1.1 and 13.2.1.2 9.2.1.3 for application to existing concrete surface (prior to concrete pour) of: a) latex on agent m² m² b) epoxy wet-to-dry bonding agent 9.3 MARK-UP RATES 9.3.1 Percentage mark-up on rates listed on % Percentage mark-up on items (with attached invoices) approved by the Employer or his 9.3.2 % representative for materials, (other than those set out in this list) used in the execution of work ordered by the Employer. 9.4 Tip trucks (a) 6 m³ h (b) 10 m3 h 9.5 Flat bed trucks (a) 5t km (b) 7t km LDV 9.6



Private Bag X8611 Groblersdal 0470, 3 West Street Groblersdal 0470 Tel : (013) 262 7300, Fax: (013) 262 3688 E-Mail : sekinfo@sekhukhune.co.za (a) 2 x 4WD km (b) 4 x 4WD km Mark up rates: % SCHEDULE 10 : CIRCULAR CONCRETE RESERVOIRS ITEM **UNIT PRICES ITEM DESCRIPTION** UNIT YEAR 2 YEAR 3 YEAR 1 10 **CIRCULAR CONCRETE RESERVOIRS** Note : haulage up to 0.5km is considered free-haul) 10.1 **RESERVOIR CONSTRUCTION** 10.1.1 SITE CLEARANCE 10.1.1.1 Clear and grub site ha Remove and grub large trees and stumps of 10.1.1.2 girth: a) over 1m and up to and including 2m no b) over 2m and up to and including 3m no Reclear surfaces (only on instructions from 10.1.1.3 ha the Engineer) 10.1.1.4 Take down existing fences a) Stockproof fence km b) Security fence km Transport materials and debris to unspecified 10.1.1.5 m³.km sites and dump Remove topsoil to nominal depth of 150mm 10.1.1.6 т³ and stockpile

10.1.2

EARTHWORKS



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|----------|--|------------------|----|------|
| 10.1.2.1 | Bulk excavation (measured 1.0m beyond wall perimeter with 1:1 slopes) and use for backfill at) and use for backfill at perimeter with 1:1 slopes) and use for backfill at perimeter with 1:1 slopes. | M3 | | |
| | | | | |
| 10.1.2.2 | Extra-over item 13.1.2.1 for: | | | |
| | a) intermediate excavation | M3 | | |
| | b) hard rock excavation | M3 | | |
| | c) boulder excavation class A | M3 | | |
| | d) boulder excavation class B | M ³ | | |
| 10.1.2.3 | Excavate for restricted foundations, footings and pipe trenches in all materials and use for backfill,embankment or dispose. | m³ | | |
| | | | | |
| 10 1 0 4 | Entre eventions 12.1.0.2 for | | | |
| 10.1.2.4 | Extra-over item 13.1.2.3 for: | 2 | | |
| | a) intermediate excavation | m ³ | | |
| | b) hard rock excavation | m ³ | | |
| | c) boulder excavation class A | m³ | | |
| | d) boulder excavation class B | M3 | | |
| 10.1.2.5 | Extra-over for importation of materials | | | |
| | a) from borrow pits | M ³ | | |
| | b) from commercial sources | | | |
| | i) 6.7mm crushed rock | m³ | | |
| | ii) 13mm crushed rock | m³ | | |
| | iii) 19mm crushed rock | m³ | | |
| | iv) 25mm crushed rock | m³ | 1 | 1 |
| | v) 38mm crushed rock | M ³ | | |
| | | | | |
| 10.1.2.6 | Opening up and closing down of designated borrow pit | ha | | |
| 10.1.2.7 | Extra-over item 13.1.2.1 and 13.1.2.3 for: | | | |
| | a) limited overhaul | M ³ | 1 | |
| | b) long overhaul in excess of 0.5km | m³.km | | |
| 40.4.2 | | | | |
| 10.1.3 | CONCRETE WORK | | | |



Private Bag X8611 Groblersdal 0470, 3 West Street Groblersdal 0470 Tel : (013) 262 7300, Fax: (013) 262 3688 E-Mail : sekinfo@sekhukhune.co.za 10.1.3.1 FORMWORK a) Rough m² b) Smooth i) all vertical surfaces to be backfilled m² ii) underside of roof slab m² c) Special smooth, repaired and rubbed i) all exposed vertical surfaces m² d) Narrow widths i) up to 300mm wide m² ii) chamfered edges 20mm x 20mm m iii) triangular drip groove 25mm m e) Box-out openings (rectangular) of area up to deep no f) Box-out openings (rectangular) of area over 0.1m² up to and including 0.5m² up to no and including 0.5m deep) 10.1.3.2 REINFORCEMENT a) Steel bars i) mild steel t ii) high tensile steel t b) High tensile welded mesh i) ref. 395 m² ii) ref. 245 m² m² iii) ref. 193 10.1.3.3 **CONCRETE** a) Prescribed mix 1:3:6 (38) in cavities formed by overbreak, only upon instruction of т³ the Engineer.



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|------------|---|---|---|--|
| | b) Prescribed mix 1:6 for topping on floor and roof screeded to fall | m³ | | |
| | c) Blinding layer - 50mm thick in class 15/19 concrete | m³ | | |
| | d) Strength concrete | | | |
| | i) Class 15/19 for filling of pockets in excavated foundations where such over- excavations were ordered by the Engineer | m³ | | |
| | ii) Class 20/19 | m³ | | |
| | iii) Class 25/19 | m³ | | |
| | iv) Class 30/19 | | | |
| | | 111 | | |
| | e) Surface finish | | | |
| | i) wood floated surface finish to floor, roof and | | | |
| | screeds | m² | | |
| | ii) steel floated | m² | | |
| | iii) power floated | m² | | |
| | | | | |
| 10.1.3.5 | JOINTS | | | |
| | | | | |
| 10.1.3.5.1 | Forming of new expansion and contraction joints | m | | |
| | | | | |
| 10.1.3.5.2 | Extra-over item 13.1.3.5.1 for cleaning, priming and sealing of 10mm square contraction joints with Jacolastic or equivalent. | m | | |
| | | | | |
| | | | | |
| | | | | |
| 10.1.3.5.3 | a) Waterbars (Expandible) Expandible preformed hydrophilic elastomer joint sealing waterstop as Sika Water Swebber WS 2010 or equivalent | m | | |
| | | | | |
| 10.1.3.5.4 | Waterbars (Moulded) Precision moulded rubber or PVC waterbars in the following profiles: | | | |
| | | | | |
| | a) Centre bulb (in expansion joints) of width: | | | |
| | i) 190mm | m | | |
| | | | | |



Private Bag X8611 Groblersdal 0470, 3 West Street Groblersdal 0470 Tel : (013) 262 7300, Fax: (013) 262 3688 E-Mail : sekinfo@sekhukhune.co.za ii) 220mm m iii) 250mm m iv) 300mm m b) Dumb-bell (in contraction and construction joints) of width: i) 150mm m ii) 190mm m iii) 220mm m Lay-flat external type (in contraction joints in walls and slabs) of width: i) 220mm m ii) 250mm m iii) 250mm with centre bulb for expansion m joints. 10.2 **RESERVOIR REPAIRS** 10.2.1 CONCRETE 10.2.1.1 Prescribed mix 1:3 cementitious grout m³ 10.2.1.2 Class 30 non-shrink cementitious grout т³ Extra-over items 13.1.3.3, 13.2.1.1 and 10.2.1.3 13.2.1.2 for application to existing concrete surface (prior to concrete pour) of: a) latex on agent m² b) epoxy wet-to-dry bonding agent m² 10.3 **MARK-UP RATES** 10.3.1 % Percentage mark-up on rates listed on Percentage mark-up on items (with attached invoices) approved by the Employer or his 10.3.2 representative for materials, (other than % those set out in this list) used in the execution of work ordered by the Employer. 10.4 Tip trucks (a) 6 m³ h



| | (b) 10 m3 | h | |
|------|-----------------|----|--|
| | | | |
| 10.5 | Flat bed trucks | | |
| | (a) 5t | km | |
| | (b) 7t | km | |
| | | | |
| 10.6 | LDV | | |
| | (a) 2 x 4WD | km | |
| | (b) 4 x 4WD | km | |
| | | | |
| | Mark up rates: | % | |

| | SCHEDULE 11 : GABIONS AND PITCHING | | | | |
|--------|---|------|--------|-----------|--------|
| | | | | | |
| ITEM | ITEM DESCRIPTION | UNIT | | UNIT PRIC | |
| | | | YEAR 1 | YEAR 2 | YEAR 3 |
| 11 | GABIONS AND PITCHING | | | | |
| | | | | | |
| 11.1 | SITE CLEARANCE | | | | |
| 11.1.1 | Clear and grub | ha | | | |
| 11.1.2 | Remove and grub large trees and stumps of girth: | | | | |
| | a) over 1m and up to and including 2m | no | | | |
| | b) over 2m and up to and including 3m | no | | | |
| 11.1.3 | Reclear surfaces (only on instructions from the Engineer) | | | | |
| | | ha | | | |
| 11.1.4 | Take down existing fences | | | | |
| | a) Stockproof fence | km | | | |
| | b) Security fence | km | | | |
| 11.1.5 | Dismantle and remove pipelines with internal diameter: | | | | |
| | a) up to 300mm | m | | | |



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|--------|---|----------------|----------|---|--|
| | b) exceeding 300mm up to 600mm | m | | | |
| | c) exceeding 600mm up to 1200mm | m | | | |
| | | | | | |
| 11.1.6 | Demolish and remove structures: | | | | |
| | a) brickwork | m³ | | | |
| | | | | | |
| | b) concrete structures | | | | |
| | i) unreinforced | m³ | | | |
| | ii) reinforced | M3 | | | |
| 11.1.7 | Transport materials and debris to unspecified sites and dump | m³.km | | | |
| 11.1.8 | Remove topsoil to nominal depth of 140mm and | m³ | | | |
| | stockpile. | | | | |
| 14.2 | EARTHWORKS | | | | |
| | | | | | |
| 11.2.1 | a) Excavate in all materials and use for embank-ment or backfill compacted to 91% modified AASHTO density, or dispose, as ordered | m³ | | | |
| | | | | | |
| | b) Extra-over item 14.2.1a for: | | | | |
| | i) intermediate excavation | m³ | | | |
| | ii) hard rock excavation | m³ | | | |
| | iii) boulder excavation class A | m³ | | | |
| | iv) boulder excavation class B | m³ | | | |
| 11.2.2 | Restricted Excavation | | | | |
| | a) Excavate for restricted foundations and footings in all materials and use for embankment or backfill compacted to 91% modified AASHTO density, or dispose, as ordered | m³ | | | |
| | b) Extra-over item 14.2.2a for: | | | - | |
| | i) intermediate excavation | m³ | | | |
| | ii) hard rock excavation | m ³ | | | |
| | iii) boulder excavation class A | m ³ | | | |
| | iv) boulder excavation class B | m ³ | | | |
| | | | | | |
| 11.2.3 | Importing of materials | | <u> </u> | | |
| | | 1 | 1 | | |



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|--------|--|------------------------------|------------|---|--|
| | a) Extra-over items 14.2.1 and 14.2.2 for importation of materials | | | | |
| | i) from borrow pits | m³ | | | |
| | ii) 19mm crushed rock from commercial sources | m³ | | | |
| | b) Opening up and closing down of designated borrow pit | ha | | | |
| 11.2.4 | Extra excavation in all materials to provide working space around structure | m³ | | | |
| 11.2.5 | <u>Overhaul</u> | | | | |
| | a) Limited overhaul | m³ | | | |
| | b) Long overhaul | m³.km | | | |
| | | | | | |
| 11.2.6 | Topsoiling | m³ | | | |
| 11.3 | GABIONS | | | | |
| | | | | | |
| 11.3.1 | Surface preparation for bedding of gabions: | | | | |
| | a) Cavities filled with approved excavated material or rock to max. depth of 140mm | m² | | | |
| | b) Cavities filled with class 14/19 strength concrete, to max. thickness of 60mm | m² | | | |
| | c) Cavities filled with class 14/19 strength concrete, irrespective of depth | m³ | | | |
| 11.3.2 | Construct gabions to SABS 1480 (1993) using galvanised wire | | | | |
| | Notes : Each gabion to be fitted with a corrosion resistant metal tag containing manufacturer's information. | | | | |
| | Mesh to be hexagonally woven 3 ½ turns, R = 100,b = 80 mesh wire 2,7mm min. and selvedge 3,4mm min.Diaphragms at 1,0m centres.Binding wire 2,2mm min.In the following sizes: | | | | |
| | a) L = 1m W = 1m H = 1m Cell 1 | m³ | | | |
| | b) L = 1,5m W = 1m H = 1m Cell 1 | m³ | | 1 | |
| | c) L = 2m W = 1m H = 1m Cell 2 | m³ | | | |
| | d) L = 3m W = 1m H = 1m Cell 3 | m³ | | | |
| | e) L = 4m W = 1m H = 1m Cell4 | m³ | | | |
| | f) L = 2m W = 0,5m H = 0,5m Cell 2 | m³ | | | |

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|--------|--|-----------------|
| | g) L = 2m W = 1m H = 0,5m Cell 2 | m ³ |
| | h) L = 3m W = 1m H = 0,5m Cell 3 | m ³ |
| | i) L = 4m W = 1m H = 0,5m Cell 4 | m³ |
| | | |
| 11.3.3 | Ditto item 14.3.2 with all wires PVC coated: | |
| | a) L = 1m W = 1m H = 1m Cell 1 | m ³ |
| | b) L = 1,5m W = 1m H = 1m Cell 1 | m ³ |
| | c) L = 2m W = 1m H = 1m Cell 2 | m ³ |
| | d) L = 3m W = 1m H = 1m Cell 3 | m ³ |
| | e) L = 4m W = 1m H = 1m Cell4 | m ³ |
| | f) L = 2m W = 0,5m H = 0,5m Cell 2 | m ³ |
| | g) L = 2m W = 1m H = 0,5m Cell 2 | m ³ |
| | h) L = 3m W = 1m H = 0,5m Cell 3 | m ³ |
| | i) L = 4m W = 1m H = 0,5m Cell 4 | m ³ |
| | | |
| 11.3.4 | Construct wired mattresses to SABS 1480 (1993) using galvanised wire.Notes : Each mattress to be fitted with a corrosion resistant metal tag containing manufacturer's information.b = 80 mesh wire 2,5mm min and selvedge 3,5mm min.Diaphragms at 1,0 m centres.Binding wire 2,2mm min.In the following sizes: | |
| | a) L = 2m W = 1m H = 0,3m Cell 2 | m ³ |
| | b) L = 3m W = 1m H = 0,3m Cell 3 | m ³ |
| | c) L = 6m W = 1m H = 0,3m Cell 6 | m ³ |
| | | |
| 11.3.5 | Ditto item 14.3.4 with all wires PVC coated: | |
| | a) L = 2m W = 1m H = 0,3m Cell 2 | m ³ |
| | b) L = 3m W = 1m H = 0,3m Cell 3 | m ³ |
| | c) L = 6m W = 1m H = 0,3m Cell 6 | m ³ |
| | | |
| 11.3.6 | Extra-over items 14.3.2, 14.3.3, 14.3.4 and 14.3.5 for packing selected stone for exposed face | m² |
| | | |
| | | |
| 11.3.7 | Extra-over items 14.3.2, 14.3.3, 14.3.4 and 14.3.5for installation of the following upon instruction of the Engineer: | |
| | · · · · · · · · · · · · · · · · · · · | |
| | a) galvanised binding and lacing wire of min.thickness 2,2mm (Measured per roll of 50kg) | no |



| E-Mail : sekinfo@se | khukhune.co | .za | | |
|---|---|--|---|---|
| | | | | |
| b) closing wire rings (45 DN open and approx.20 DN closed) as SPENAX or equivalent.(Measured per box | | | | |
| | | | | |
| ii) galvanised | no | | | |
| ii) stainless steel | no | | | |
| | | | | |
| Geotextile | | | | |
| Non-woven, continuous filament geotextile: | | | | |
| a) Grade U34 (270g/m²) | m² | | | |
| b) Grade U44 (340 g/m²) | m² | | | |
| | | | | |
| PITCHING | | | | |
| | | | | |
| | | | | |
| | | | | |
| a) 200mm | m² | | | |
| b) 300mm | m² | | | |
| | | | | |
| Grouted stone pitching in freshly laid cement mortar of 1:6 mix proportion, to a minimum final layer thickness of 200mm | m² | | | |
| | | | | |
| | | | | |
| Grouted stone pitching of 200mm pitching thickness, laid on a fresh class 14/19 concrete bed of 75mm hickness | m² | | | |
| | | | | |
| | 0/ | | | |
| Percentage mark-up on rates listed on term contracts | % | | | |
| | | | | |
| Percentage mark-up on items (with attached invoices) approved by the Employer or his representative for materials, (other than those set out in this list) used in the execution of work ordered by the Employer | % | | | |
| | | | | |
| • | <u> </u> | | | |
| (a) 6 m ³ | h | | | |
| (b) 10 m ³ | h | | | |
| | b) closing wire rings (45 DN open and approx.20 DN closed) as SPENAX or equivalent.(Measured per box containing 1600 rings) ii) galvanised ii) stainless steel Geotextile Non-woven, continuous filament geotextile: a) Grade U34 (270g/m²) b) Grade U44 (340 g/m²) PITCHING Plain stone pitching to a minimum final layer thickness of: a) 200mm b) 300mm Grouted stone pitching in freshly laid cement mortar of 1:6 mix proportion, to a minimum final layer thickness of 200mm Grouted stone pitching of 200mm pitching thickness, laid on a fresh class 14/19 concrete bed of 75mm hickness Percentage mark-up on rates listed on term contracts Percentage mark-up on items (with attached invoices) approved by the Employer or his representative for materials, (other than those set out in this list) used in | b) closing wire rings (45 DN open and approx.20 DN closed) as SPENAX or equivalent.(Measured per box containing 1600 rings) ii) galvanised no iii) stainless steel no Geotextile Non-woven, continuous filament geotextile: a) Grade U34 (270g/m²) b) Grade U44 (340 g/m²) m² Di Grade U44 (340 g/m²) m² Di Grade U44 (340 g/m²) m² Di Grouted stone pitching to a minimum final layer thickness of 200mm m² Grouted stone pitching in freshly laid cement mortar of 1:6 mix proportion, to a minimum final layer thickness of 200mm m² Di Grouted stone pitching in freshly laid cement mortar of 1:6 mix proportion, to a minimum final layer thickness of 200mm m² Grouted stone pitching of 200mm pitching thickness, laid on a fresh class 14/19 concrete bed of 75mm hickness MARK-UP RATES Percentage mark-up on rates listed on term contracts % Percentage mark-up on items (with attached invoices) approved by the Employer or his representative for materials, (other than those set out in this list) used in the execution of work ordered by the Employer Tip trucks | closed) as SPENAX or equivalent.(Measured per box | b) closing wire rings (45 DN open and approx.20 DN closed) as SPENAX or equivalent.(Measured per box containing 1600 rings) Image: Containing 1600 rings) ii) galvanised no Image: Containing 1600 rings) iii) galvanised no Image: Containing 1600 rings) ii) galvanised no Image: Containing 1600 rings) iii) galvanised no Image: Containing 1600 rings) Geotextile no Image: Containing 1600 rings) Non-woven, continuous filament geotextile: Image: Containing 1600 rings) Image: Containing 1600 rings) g Grade U34 (270g/m²) m² Image: Containing 1600 rings) Image: Containing 1600 rings) PITCHING Image: Containing 1600 rings Image: Containing 1600 rings) Image: Containing 1600 rings) Plain stone pitching to a minimum final layer thickness of: Image: Containing 1600 rings) Image: Containing 1600 rings) a) 200mm m² Image: Containing 1600 rings rings) Image: Containing 1600 rings) b) 300m m² Image: Containing 1600 rings) Image: Containing 1600 rings) a) 200mm Image: Containing 1600 rings rings) Image: Containing 1600 rings) Image: Containing 1600 rings) Grouted stone pitching of 200mm pitching thickness, laid on a fresh cla |



| Flat bed trucks | | | | |
|-----------------|---|----|--|--|
| (a) 5t | | km | | |
| (b) 7t | | km | | |
| | | | | |
| LDV | | | | |
| (a) 2 x 4WD | | km | | |
| (b) 4 x 4WD | | km | | |
| | | | | |
| | | | | |
| TOTAL SCHED | TOTAL SCHEDULE 9 CARRIED FORWARD TO SUMMARY | | | |

| SCHEDULE AND CHAN | E 12 : SEGMENTED BLOCK PAVING, KERBING INELING | | | | |
|----------------------|--|-------|-------------|--------|--------|
| ITEM | ITEM DESCRIPTION | UNIT | UNIT PRICES | | |
| | | | YEAR 1 | YEAR 2 | YEAR 3 |
| 12 | SEGMENTED BLOCK PAVING, KERBING AND | | | | |
| | <u>CHANNELING</u> | | | | |
| | | | | | |
| 12.1 | SITE CLEARING | | | | |
| | | | | | |
| 12.1.1 | Clear and grub | ha | | | |
| 12.1.2 | Remove and grub large trees and stumps of girth | | | | |
| | a) over 1m and up to and including 2m | no | | | |
| | b) over 2m and up to and including 3m | no | | | |
| 12.1.3 | Reclear surfaces (only on instructions from the Engineer) | ha | | | |
| 40.4.4 | | | | | |
| 12.1.4 | Take down existing fences stockproof fence | km | | | |
| | b) Security fence | km | | | |
| 12.1.5 | Transport materials and debris to unspecified sites and dump | m³.km | | | |
| 12.1.6 | Remove topsoil to nominal depth of 150mm and stockpile | m³ | | | |
| 12.2 | BULK EARTHWORKS | | | | |



| 12.2.1 | Bulk Excavation | | | |
|--------|--|----------------|-------|---|
| | a) Excavate in all materials and use for embankment or backfill compacted to 90% modified AASHTO density or dispose, as ordered | m ³ | | |
| | | | | |
| | b) Extra-over item 15.2.1 for: | | | |
| | i) Intermediate material | m³ | | |
| | ii) hard rock excavation | m ³ | | |
| | iii) boulder excavation, Class A | m³ | | |
| | iv) boulder excavation, Class B | M3 | | |
| 12.2.2 | Importing of Materials | | | |
| | a) Extra-over for importation of materials from borrow pits | m ³ | | |
| | b) Opening up and closing down of designated borrow pit | ha | | |
| | c) Dealing with overburden | M3 | | |
| 12.2.3 | Overhaul | | | |
| | a) Limited overhaul | m³ | | |
| | b) Long overhaul | m³.km | | |
| 12.3 | EARTHWORKS (Roads, Subgrade) | | | |
| 12.3.1 | Preparation of site | | | |
| | a) Stripping and removal of topsoil to 150mm depth, stockpiling and maintaining | m³ | | |
| | b) Strip and remove 150mm layer, haul and spread topsoil in borrow pits | m³ | | |
| 12.3.2 | Treatment of Pavement area | | | |
| | a) Pavement area preparation and compaction of material to: | | | |
| | i) min. of 90% MOD AASHTO density to a depth of 150mm | m³ | | |
| | ii) min. of 93% MOD AASHTO density to a depth of 150mm | m³ | | |
| | | | 1 | 1 |



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|--------|--|-------------------|--|---|
| | | | | |
| | b) In-place treatment of pavement area in intermediate or hard rock material by: | | | |
| | | | | |
| | i) Ripping | m³ | | |
| | ii) Blasting | m³ | | |
| | | | | |
| 12.3.3 | Cut to fill | | | |
| | a) Cut to fill and compact to 90% of MOD AASHTO density | m³ | | |
| | b) Cut to fill and compact to 93% of MOD AASHTO density | m³ | | |
| | | | | |
| 12.3.4 | Borrow to fill | | | |
| | a) Borrow to fill and compact to 90% of MOD AASHTO density | m³ | | |
| | b) Borrow to fill and compact to 93% of MOD AASHTO density | M3 | | |
| | c) Borrow to fill and compact to 95% MOD AASHTO density | M3 | | |
| 12.3.5 | Selected layer | | | |
| | a) Selected layer compacted to 93% of MOD AASHTO density | M3 | | |
| | b) Selected gravel course compacted to 95% of MOD AASHTO density | m³ | | |
| 12.3.6 | Excavating and breaking down material | | | |
| | Extra-over items 15.3.3, 15.3.4 and 15.3.5 for excavating and breaking down material in: | | | |
| | a) Intermediate excavation | m³ | | |
| | b) Hard excavation | m³ | | |
| | c) Boulder excavation, Class A | m³ | | |
| | d) Boulder excavation, Class B | M3 | | |
| 12.3.7 | Cut to spoil or stockpile from | | | |
| | a) Soft excavation | m³ | | |
| | b) Intermediate excavation | m³ | | |
| | c) Hard excavation | m³ | | |
| | d) Boulder excavation, Class A | m³ | | |
| | e) Boulder excavation, Class B | M3 | | |
| 12.3.8 | Removal of oversize material | m³ | | |



| | | | | 1 | I |
|----------|--|----------------|--|---|---|
| 12.3.9 | Overbreak of excavation in: | | | | |
| | a) Intermediate excavation | m³ | | | |
| | b) Hard excavation | m³ | | | |
| | c) Boulder excavation, Class A | m³ | | | |
| | d) Boulder excavation, Class B | m ³ | | | |
| | | | | | |
| 12.3.10 | Materials bladed to windrow | m³ | | | |
| 12.3.11 | Stockpile | | | | |
| 12.0.11 | Extra-over items 15.3.1, 15.3.3, 15.3.4 or 15.3.5 for temporary stockpiling of material | m³ | | | |
| 12.3.12 | <u>Overhaul</u> | | | | |
| | Extra-over items 15.3.1, 15.3.3, 15.3.4, 15.3.5, 15.3.7, 15.3.8 or 15.3.11 for haulage beyond the 0,5 km freehaul distance | m³.km | | | |
| 12.3.1.3 | Surface finishes | | | | |
| | a) Topsoiling | m² | | | |
| | | | | | |
| 12.3.14 | Mounds, channels and mitre banks | | | | |
| | Construct catchwater mounds, channels and mitre banks | m³ | | | |
| | | | | | |
| 12.3.15 | Chemical stabilization extra over unstabilized compacted layers : | | | | |
| | a) Gravel sub-base course (150mm thick) | m³ | | | |
| | b) Gravel base course (150mm thick) | m³ | | | |
| 12.3.15 | Chemical Stabilizing Agent : | | | | |
| 12.0.10 | a) Ordinary Portland Cement | t | | | |
| | b) Portland blast furnace cement | t | | | |
| | | | | | |
| 12.3.17 | Provision and application of water for curing | kl | | | |
| 12.4 | DRAINS | | | | |
| 10.1.1 | | | | | |
| 12.4.1 | Excavation for Open Drains | | | | |
| | a) Excavate in soft material in the depth range 0 m up to 1,5m below surface level | m³ | | | |



| | b) Extra-over item 15.4.1a for excavation in: | | | |
|--------|--|----------------|--|--|
| | i) Intermediate material | m ³ | | |
| | ii) Hard rock | m ³ | | |
| | | | | |
| 12.4.2 | Excavation for Subsoil Drainage Systems | | | |
| | a) Excavate in soft material within the following depth ranges below surface level: | | | |
| | i) 0m up to 1,5m | m³ | | |
| | ii) Exceeding 1,5m and up to 2,5m | m³ | | |
| | iii) Exceeding 2,5m and up to 3,5m | m³ | | |
| | b) Extra-over sub-item 15.4.2a for excavation in: i) Intermediate material | m³ | | |
| | ii) Hard rock | m³ | | |
| 12.4.3 | Permeable material in subsoil drainage systems: a) Coarse grade sand from approved natural | | | |
| | sources | m³ | | |
| | b) Course aggregate | | | |
| | i) 19mm | m³ | | |
| | ii) 40mm | m ³ | | |
| 12.4.4 | Synthetic fibre filter fabric, needle punched | | | |
| | a) 235 g/m² | m² | | |
| | b) 270 g/m ² | m² | | |
| 12.5 | SEGMENTED PAVING | | | |
| 12.5.1 | Provision of edge restraints in class 20/19 concrete, in the following cross sections: | | | |
| | a) 150 x 75mm | m | | |
| | b) 200 x 75 mm | m | | |
| | c) 250 x 75mm | m | | |
| 12.5.2 | Construction of grey coloured paving to SABS 1058 - 1985 in the following type, class and sizes: | | | |



Private Bag X8611 Groblersdal 0470, 3 West Street Groblersdal 0470 Tel : (013) 262 7300, Fax: (013) 262 3688 E-Mail : sekinfo@sekhukhune.co.za 12.5.2.1 Type S – A a) Class 25 and thickness: i) 60mm m² ii) 80mm m² iii) 100mm m² b) Class 35 and thickness: i) 60mm m² ii) 80mm m² iii) 100mm m² 12.5.2.2 <u>Type S – B</u> a) Class 25 and thickness: i) 60mm m² ii) 80mm m² iii) 100mm m² b) Class 35 and thickness: i) 60mm m² ii) 80mm m² m² iii) 100mm 12.5.2.3 Type S – C a) Class 25 and thickness: i) 60mm m² ii) 80mm m² iii) 100mm m² 12.5.3 Cutting units to fit edge restraints: a) straight m b) raked m c) curved m Extra-over item 15.5.2.1, 15.5.2.2 and 15.5.2.3 12.5.4 m² for rolling to locked-up condition 12.6 **KERBING**

Page **111** of **142**



| 12.6.1 | Supply, bed, lay and joint precast concrete sections,in conformity with SABS 927-1969: | | | |
|----------|--|---|--|--|
| 10.0.1.1 | | | | |
| 12.6.1.1 | Kerb of 1m length on straights | | | |
| | a) half-battered | | | |
| | i) fig 3 | m | | |
| | ii) fig 4 | m | | |
| | | | | |
| | b) battered fig 6 | m | | |
| | c) mountable | | | |
| | ii) fig 7 | m | | |
| | ii) fig 8 | m | | |
| | iii) fig 9 | m | | |
| 40.0.4.0 | | | | |
| 12.6.1.2 | Kerb of 330mm length on curves: | | | |
| | a) half-battered | | | |
| | i) fig 3 | m | | |
| | ii) fig 4 | m | | |
| | b) battered fig 6 | m | | |
| | | | | |
| | c) mountable | | | |
| | i) fig 7 | m | | |
| | ii) fig 8 | m | | |
| | iii) fig 9 | m | | |
| 12.6.1.3 | Edgings of 1m length on straights: | | | |
| 12.0.1.5 | a) rectangular fig 10 | | | |
| | | m | | |
| | b) half-round fig 11 | m | | |
| | c) rectangular fig 12 | m | | |
| 12.6.1.4 | Edgings of 330mm length on curves: | | | |
| | a) rectangular fig 10 | m | | |
| | b) half-round fig 11 | m | | |
| | c) rectangular fig 12 | m | | |
| | BROUGHT FORWARD | | | |
| | | | | |
| 12.6.1.5 | Channels of 1m length on straights : | | | |



a) rectangular fig 13 m b) tapered fig 14 m 12.6.1.6 Channels of 330mm length on curves: a) rectangular fig 13 m b) tapered fig 14 m 12.6.2 Concrete kerbing and channeling combined a) Cast in-situ class 25/19 of cross sectional area up to 0,08 m²/m i) straight m ii) curved m b) Cast in-situ class 25/19 of cross sectional area exceeding 0,08 m²/m up to 0,10 m²/m i) straight m ii) curved m c) Cast in-situ class 25/19 of cross sectional area exceeding 0,10 m²/m up to 0,12 m²/m i) straight m ii) curved m d) Cast in-situ class 25/19 of cross sectional area exceeding 0,12 m²/m up to 0,15 m²/m i) straight m ii) curved m 12.7 **MARK-UP RATES** Percentage mark-up on rates listed on term 12.7.1 % contracts Percentage mark-up on items (with attached invoices) approved by the Employer or his 12.7.2 representative for materials (other than those % set out in this list) used in the execution Of work ordered by the employer **ESTABLISHMENT OF FACILITIES** Tip trucks (a) 6 m3 h h (b) 10 m3 Flatbed trucks



| (a) 5t | km | | |
|---|----|--|--|
| (b) 7t | km | | |
| | | | |
| LDV | | | |
| (a) 2 x 4WD | km | | |
| (b) 4 x 4WD | km | | |
| | | | |
| TOTAL SCHEDULE 10 CARRIED FORWARD TO SUMMARY | | | |
| | | | |

| SCHED | ULE 13 : SECURITY FENCING | | | | |
|--------|---|-------|--------|-----------|--------|
| | | | | | |
| | | | | | |
| ITEM | ITEM DESCRIPTION | UNIT | | UNIT PRIC | ES |
| | | | | | |
| | | | YEAR 1 | YEAR 2 | YEAR 3 |
| 13 | SECURITY FENCING AND THE SUPPLY OF ALL MATERIAL | - | | | |
| | | | | | |
| 13.1 | SITE CLEARING | | | | |
| 13.1.1 | Clear and grub the fence line, a 2m wide strip | km | | | |
| 13.1.2 | Take down existing fences | | | | |
| | a) stockproof fence | km | | | |
| | b) security fence | km | | | |
| 13.1.3 | Transport materials and debris to unspecified sites and dump | m³.km | | | |
| 13.2 | New 1,85m high security fence | | | | |
| 13.2.1 | Erection of new 1,85m security fence , including intermediate post, straining post and standard. Rate per metre of fencing where structural members are : | | | | |



Private Bag X8611 Groblersdal 0470, 3 West Street Groblersdal 0470 Tel : (013) 262 7300, Fax: (013) 262 3688 E-Mail : sekinfo@sekhukhune.co.za a) hot dip galvanised km b) painted km 13.2.2 Corner, bend and end posts where members are : a) hot dip galvanised no b) painted no 13.2.3 Gate, 4m wide comprising 2x2m leaves per set, a) hot dip galvanised no b) painted no 13.3 Repair existing 1,85m high security fence with the following supplementary new material, Supply and erect: Zinc coated barbed wire to SABS 675, oval 2,8mm x 13.3.1 km 1,9mm, having 4 barbs every 125mm centres 13.3.2 Zinc coated smooth wire to SABS 675 a) 2mm dia mild steel km b)4mm dia mild steel km c) 2mm dia high tensile steel km Zinc coated diamond mesh (to SABS CKS 229); 2,5mm 13.3.3 dia mild steel with 50 mesh and 1,8m width with bottom km end barbed and top end open Corner and gate posts in 88mm diameter pipe section 13.3.4 having a 3mm wall thickness a) hot dip galvanised no b) painted no SUBTOTAL CARRIED FORWARD **BROUGHT FORWARD**



| 13.3.5 | Straining posts in 88mm diameter pipe section having a 3mm wall thickness | | | | |
|--------|--|----------|---|---|--|
| | | | | | |
| | a) hot dip galvanised | no | | | |
| | b) painted | no | | | |
| | | | | | |
| 13.3.6 | Intermediate posts in 48mm diameter pipe section having a 2,8mm wall thickness | | | | |
| | | | | | |
| | a) hot dip galvanised | no | | | |
| | b) painted | no | | _ | |
| 13.3.7 | Steel stays and struts in 48mm diameter pipe section having a 2,8mm wall thickness | | | | |
| | | | | | |
| | a) inclined | | | | |
| | i) hot dip galvanised | no | | | |
| | ii) painted | no | | | |
| | | | | | |
| | b) horizontal | | | | |
| | i) hot dip galvanised | m | | _ | |
| | ii) painted | m | | | |
| 13.3.8 | Standards of Iscor Y-profile (ridge back), complete with overhang fully welded to top of standard | | | | |
| | a) hat dia galvanisad | 20 | | | |
| | a) hot dip galvanised b) painted | no no | | | |
| | | 110 | | | |
| 13.4 | New 2,4m high security fence | | | | |
| | | | | | |
| 13.4.1 | Erection of new 2,4m security fence erected including intermediate post, straining post and standard. Rate per metre of fencing where structural members are : | | | | |
| | a) hot dip galvanised | km | | | |
| | b) painted | km | 1 | | |
| | | 1411 | | | |
| 13.4.2 | Corner, bend and end posts | | | | |
| | | | | | |



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|--------|--|--------------------------------|-----------|--|
| | a) hot dip galvanised | no | | |
| | b) painted | no | | |
| | | | | |
| 16.4.3 | Gate, 4m wide comprising 2 x 2m leaves | | | |
| | | | | |
| | a) hot dip galvanised | no | | |
| | | | | |
| | b) painted | no | | |
| | | | | |
| 13.5 | Repair existing 2,4m high security fence with the following supplementary new material, Supply and erect: | | | |
| | Zinc coated barbed wire (to SABS 675 and CKS 164) | | | |
| 13.5.1 | 2mm diameter twisted double strand with 150mm barb spacing | km | | |
| 13.5.2 | Zinc coated smooth wire to SABS 675 | | | |
| 10.0.2 | a) 2mm dia mild steel | km | | |
| | b) 4mm dia mild steel | km | | |
| | c) 2mm dia high tensile steel | km | | |
| | | NIT . | | |
| 13.5.3 | Zinc coated diamond mesh (to SABS CKS 229); 2,5mm dia mild steel with 50 mesh and 1,8m width with bottom end barbed and top end open | km | | |
| | | | | |
| | | | | |
| 13.5.4 | Corner and gate posts in 114mm diameter pipe section having a 3,6mm wall thickness | | | |
| | | | | |
| | a) hot dip galvanised | no | | |
| | b) painted | no | | |
| 13.5.5 | Straining posts in 114mm diameter pipe section having a 3,6mm wall thickness | | | |
| | a) hot dip galvanised | no | | |
| | b) painted | no | | |
| | | | | |
| 13.5.6 | Intermediate posts in 88mm diameter pipe section having a 3,25mm wall thickness | | | |
| | | | | |
| | | • • | | |



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|--------|---|-------------------------------|---|------|
| | a) hot dip galvanised | no | | |
| | b) painted | no | | |
| | | | | |
| 13.5.7 | Steel stays and struts in 88mm diameter pipe section having a 3,5mm wall thickness | | | |
| | | | | |
| | a) inclined | | | |
| | i) hot dip galvanised | no | | |
| | ii) painted | no | | |
| | b) horizontal | | | |
| | i) hot dip galvanised | m | | |
| | ii) painted | m | | |
| 13.5.8 | Standards of Iscor Y-profile (ridge back), complete with overhang fully welded to top of standard | | | |
| | | | | |
| | a) hot dip galvanised | no | | |
| | b) painted | no | | |
| 40.0 | | | | |
| 13.6 | MARK-UP RATES | 0/ | | |
| 13.6.1 | Percentage mark-up on rates listed on term contracts | % | | |
| 13.6.2 | Percentage mark-up on items (with attached invoices) approved by the Employer or his representative for materials, (other than those set out in this list) used in the execution of work ordered by the Employer | % | | |
| | | | | |
| 13.7 | Tip trucks | | | |
| | (a) 6 m3 | h | | |
| | (b) 10 m3 | h | | |
| 13.8 | Flat bed trucks | | | |
| - | (a) 5t | km | | |
| | (b) 7t | km | | |
| | | | | |
| 13.9 | LDV | | | |
| | (a) 2 x 4WD | km | | |
| | (b) 4 x 4WD | km | | |
| | SUBTOTAL | | | |
| | | l | | |



| T(| OTAL SCHEDULE 11 CARRIED FORWARD TO | | |
|----|-------------------------------------|--|--|
| S | UMMARY | | |

| | JLE 14 : PUMPHOUSE INSTALLATION FOR BOREHOLES | | | | |
|--------|--|----------------|--------|-----------|--------|
| ITEM | ITEM DESCRIPTION | UNIT | | RATES ONL | .Y |
| | | | YEAR 1 | YEAR 2 | YEAR 3 |
| 14 | PUMPHOUSE INSTALALTION FOR BOREHOLES | | | | |
| 14.1 | SITE CLEARANCE | | | | |
| 14.1.1 | Clear and grub site | m ² | | | |
| 14.1.2 | Remove and grub large trees and stumps of girth: | | | | |
| | (a) Over 1 m and up to and including 2 m | no | | | |
| | (b) Over 2 m and up to and including 3 m | no | | | |
| 14.1.3 | Reclear surfaces (only on instructions from the Engineer) | m² | | | |
| 14.1.4 | Take down existing fences | | | | |
| | (a) Stockproof fence | m | | | |
| | (b) Security fence | m | | | |
| 14.1.5 | Dismantle and remove pipelines with internal diameter up to 150 mm | m | | | |
| 14.1.6 | Demolish and remove concrete structures: | | | | |
| | (a) Unreinforced | m ³ | | | |
| | (b) Reinforced | m ³ | | | |



Private Bag X8611 Groblersdal 0470, 3 West Street Groblersdal 0470 Tel : (013) 262 7300, Fax: (013) 262 3688 E-Mail : sekinfo@sekhukhune.co.za 14.1.7 Transport materials and debris to unspecified sites and m³/km dump 14.2 EARTHWORKS (SMALL WORKS) 14.2.1 Restricted excavation (a) Excavate for restricted foundations, footings and m³ trenches in all materials and use for backfill or dispose. (b) Extra-over item 18.2.1a for: (i) intermediate excavation m³ (ii) hard rock excavation m³ 14.2.2 Overhaul (a) Limited overhaul m³/km (b) Long overhaul m³/km 14.2.3 Importing of materials from borrow pits m³ 14.2.4 Topsoiling m² 14.3 **CONCRETE (ORDINARY BUILDINGS)** 14.3.1 Formwork 14.3.1.1 (a) Rough (i) Horizontal m² (ii) Vertical m² (b) Normal (i) Horizontal m² m² (ii) Vertical (c) Special smooth, rubbed (i) Horizontal m² (ii) Vertical m² 14.3.1.2 Narrow widths (a) Up to 300 mm m (b) Exceeding 300 mm up to and including 600 mm m 14.3.2 Reinforcement (a) Mild steel bars t (b) High tensile steel bars t (c) Welded mesh (i) ref. 193 m² (ii) ref. 245 m² (iii) ref. 395 m² 14.3.3 Concrete 14.3.3.1 Prescribed mix 1:3:6 (38) m³ 14.3.3.2 Strength mix (general works) (a) Class 15/19 m³ (b) Class 20/19 m³



Private Bag X8611 Groblersdal 0470, 3 West Street Groblersdal 0470 Tel : (013) 262 7300, Fax: (013) 262 3688 E-Mail : sekinfo@sekhukhune.co.za (c) Class 25/19 m³ (d) Class 30/19 m³ 14.3.3.3 Strength mix Class 25/19 to pumphouse floor, pump and engine foundations, in accordance with plan nos. 125 815/97 ME and 125 816/97 ME: (a) Concrete floor 3000 x 3000 x 150 mm no (b) Diesel engine foundation block (including formwork and anchor bolts) (i) Size 2300 x 800 x 600 mm no (ii) (Up to 5 kW max.) no (iii) (From 6 kW to 25 kW) no (c) Electric motor foundation block (including formwork and anchor bolts) (i) Size 600 x 600 x 600 mm (up to 7 kW max.) no (anchor bolts dia. M12 x 200 mm long) (ii) Size 800 x 800 x 600 mm (from 8 kW to 22 no kW (5 anchor bolts dia M16 x 215 mm long) 14.3.3.4 Blinding layer in class 15/19 concrete and 50 mm thick m² 14.3.3.5 Unformed concrete surface finishes (a) Wood-floated finish m2 (b) Steel-floated finish m2 (c) Power-floated finish m2 14.4 **BRICKWORK** (strecherbond) 14.4.1 Foundation walling with clay bricks type NFX to SABS 227-1986 in: (a) 230 mm walls m² (b) 345 mm walls m² 14.4.2 Walling with clay stock bricks type NFP to SABS 227-1986 in: (a) 115 mm walls m² (b) 230 mm walls m² (c) 345 mm walls m² 14.4.3 Walling with clay face bricks to SABS 227-1986 in: (a) Type FBA (i) 115 mm walls m² (ii) 230 mm walls m² (b) Type FBX (i) 115 mm walls m² (ii) 230 mm walls m² (c) Type FBS (i) 115 mm walls m²

m²

(ii) 230 mm walls



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|----------|---|------------------------|--|--|
| 14.4.4 | Extra-over items 18.4.1, 18.4.2 and 18.4.3 for building in of miscellaneous walling materials | | | |
| 14.4.4.1 | Brickforce in the following widths | | | |
| | (a) 75 mm | m | | |
| | (b) 150 mm | m | | |
| | (c) 225 mm | m | | |
| 14.4.4.2 | Wire ties | | | |
| | (a) Butterfly type wire tie | no | | |
| | (b) Modified PWD type wire tie | no | | |
| 14.4.4.3 | Mild steel (non-coiled) round bars | | | |
| | (a) 6 mm dia | m | | |
| | (b) 8 mm dia | m | | |
| 14.4.4.4 | Precast concrete lintels | | | |
| | (a) 110 mm wide | m | | |
| | (b) 225 x 50 mm cross section | m | | |
| | (c) 225 x 75 mm cross section | m | | |
| 14.4.4.5 | Damp proof sheeting to SABS 952-1985 | | | |
| | (a) 375 micron polyolefin water proof sheeting under floor slabs and other positions instructed by the Engineer | m2 | | |
| | (b) 375 micron polyolefin water proof sheeting in walls and window cills: | | | |
| | (i) 110 m wide | m | | |
| | (ii) 225 mm wide | m | | |
| | (iii) 375 mm wide | m | | |
| 14.4.4.6 | Soft board | | | |
| | (a) Plain | | | |
| | (i) 10 mm thick | m ² | | |
| | (ii) 13 mm thick | m ² | | |
| | (b) Bitumen impregnated | | | |
| | (i) 10 mm thick | m ² | | |
| 14.4.4.7 | Galvanised hoop iron | m | | |
| 14.4.4.8 | Galvanised wire | | | |
| | (a) 4 mm dia in 50 kg rolls | no | | |
| | (b) 3,15 mm dia in 50 kg rolls | no | | |
| 14.4.5 | Extra-over items 18.4.1, 18.4.2 and 18.4.3 for forming of wall joints | | | |
| | (a) 10 mm square raked joint, measured per square metre of walling | m² | | |
| | (b) 10 mm square raked and tooled joint, measured per square metre of walling | m² | | |
| 14.5 | MODULAR PUMPHOUSE | | | |



Private Bag X8611 Groblersdal 0470, 3 West Street Groblersdal 0470 Tel : (013) 262 7300, Fax: (013) 262 3688 E-Mail : sekinfo@sekhukhune.co.za 14.5.1 Remove old pumphouse and store temporarily for reno installation 14.5.2 Install removal pump house no 14.5.3 Supply and install complete new modular pumphouse in compliance with plan nos. 125 815/97 ME and 125 816/97 no ME 17.5.4 Supply 50 mm padlock wit set of 3 keys set 14.5.5 Supply and install precision made RSJ frame for pump and engine to plan 125 815/97 ME and 125 816/97 Me, complete with a anchor bolt (500 mm long with 100 mm hook, diameter M20) (a) Small diesel engine - frame size 500 x 2100 x 350 mm set (b) Medium engines - frame size 600 x 2100 x 350 mm set (c) Large engines - frame size 1000 x 2100 x 650 mm set 14.6 **TAPSTANDS** (a) Stand pipes - single type to Drawing No. 125 836/97 ME no (b) Stand pipes - double type to Drawing No. 125 836/97 ME no 14.7 NAME PLATES Supply and installation of name plates according to Drg. No. set 125 81/97 ME 14.8 (a) Percentage mark-up on rates listed on term contracts % (b) Percentage mark-up on items approved by the client or % his representative with attached invoices for material used 14.9 Tip trucks (a) 6 m³ h (b) 10 m³ h 14.1 Flat bed trucks (a) 5t km (b) 7t km 14.1.1 LDV (a) 2 x 4WD km (b) 4 x 4WD km SUBTOTAL TOTAL SCHEDULE 12 CARRIED FORWARD TO SUMMARY



| | JLE 15 : PVC STORAGE TANK LATIONS | | | | |
|--------|--|----------------|--------|--------|--------|
| ITEM | ITEM DESCRIPTION | UNIT | | | ES |
| | | | | | |
| | | | | | |
| | | | YEAR 1 | YEAR 2 | YEAR 3 |
| 15 | PVC STORAGE TANK INSTALLATIONS | | | | |
| | | | | | |
| 15.1 | SITE CLEARANCE | | | | |
| 10.1 | SITE CLEARANCE | | | | |
| 15.1.1 | Clear and grub site | m ² | | | |
| | | | | | |
| 15.1.2 | Remove and grub large trees and stumps of girth: | | | | |
| | (a) Over 1 m and up to and including 2 m | no | | | |
| | (b) Over 2 m and up to and including 3 m | no | | | |
| | | | | | |
| 15.1.3 | Reclear surfaces (only on instructions from the Engineer) | m² | | | |
| 15.1.4 | Dismantle and remove pipelines with internal diameter up to 150 mm | m | | | |
| 15.1.5 | Demolish and remove concrete structures: | | | | |
| | (a) Unreinforced | m ³ | | | |
| | (b) Reinforced | m ³ | | | |
| 15.1.6 | Transport materials and debris to unspecified | m³/km | | | |
| | sites and dumps | | | | |
| | | | | | |
| 15.2 | EARTHWORKS (SMALL WORKS) | | | | |
| | | | | | |
| 15.2.1 | Restricted excavation | | | | |
| | (a) Excavate for restricted foundations, footings, slabs and trenches in all materials and use for backfill or dispose | m ³ | | | |
| | (b) Extra-over item 20.2.1a for: | | | | |
| | (i) Intermediate excavation | m ³ | | | |



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|----------|---|----------------|-------------|--|
| | (ii) Hard rock excavation | m ³ | | |
| | | | | |
| 15.2.2 | Overhaul | | | |
| | (a) Limited overhaul | m ³ | | |
| | (b) Long overhaul | m³/km | | |
| 15.2.3 | Importing of materials from borrow pits | m ³ | | |
| | | | | |
| 15.2.4 | Topsoiling | m ² | | |
| | | | | |
| 15.3 | CONCRETE (ORDINARY BUILDINGS) | | | |
| 15.3.1 | | | | |
| 15.5.1 | Formwork | | | |
| 15.3.1.1 | (a) Pough | | | |
| 10.0.1.1 | (a) Rough (i) Horizontal | m ² | | |
| | (ii) Vertical | m ² | | |
| | | 1114 | | |
| | (b) Normal | | | |
| | (i) Horizontal | m ² | | |
| | (ii) Vertical | m ² | | |
| | | | | |
| | (c) Special smooth, rubbed | | | |
| | (i) Horizontal | m ² | | |
| | (ii) Vertical | m ² | | |
| 15.3.1.2 | Narrow widths | | | |
| | (a) Up to 300 mm | m | | |
| | (b) Exceeding 300 mm up to and including 600 mm | m | | |
| | | | | |
| 15.3.2 | Reinforcement | | | |
| | (a) Mild steel bars | t | | |
| | (b) High tensile steel bars | t | | |
| | (c) Welded mesh | | | |
| | (i) ref. 193 | m² | | |
| | (ii) ref. 245 | m ² | | |
| | (iii) ref. 395 | m ² | | |
| | | | | |



Private Bag X8611 Groblersdal 0470, 3 West Street Groblersdal 0470 Tel : (013) 262 7300, Fax: (013) 262 3688 E-Mail : sekinfo@sekhukhune.co.za 15.3.3 Concrete 15.3.3.1 Prescribed mix 1:3:6 (38) m³

| 15.3.3.2 | Strength mix (general works) | | | |
|----------|---|----------------|--|--|
| | (a) Class 15/19 | m ³ | | |
| | (b) Class 20/19 | m ³ | | |
| | (c) Class 25/19 | m ³ | | |
| | (d) Class 30/19 | m ³ | | |
| 15.3.3.3 | Strength mix Class 25/19, including formwork, floated surface finish and mesh reinforcement and mild steel anchors in accordance with plan 125 819/97 ME in 150 mm thick concrete slab for: | | | |
| | (a) One tank (2900 x 3000) | no | | |
| | (b) two tank (2900 x 5500) | no | | |
| | (c) three tank (2900 x 8000) | no | | |
| | (d) four tank (2900 x 10500) | no | | |
| 15.3.3.4 | Blinding layer in class 15/19 concrete and 50 mm thick | m² | | |
| 15.3.3.5 | Unformed concrete surface finishes | | | |
| | (a) Wood-floated finish | m ² | | |
| | (b) Steel-floated finish | m² | | |
| 15.3.3.6 | Brickwork (stretcherbond) | | | |
| | Foundation walling with clay bricks type NFX to | | | |

m²

m²

m

m

SABS 227-1986 in: (a) 230 mm walls

(b) 345 mm walls

(a) 150 mm

(b) 225 mm

Extra-over item 20.3.5 for building in of

miscellaneous walling materials:

Brickforce in the following widths:

Water tank (ground level installation)

15.3.6

18.3.6.1

15.4

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| | 10 000 polyethylene water tank (2980 mm high x 2 200 mm diameter) detailed as fitting "H" on plan 125 821/97 ME, supplied, installed and anchored | no | | |
|--------|---|-----|------|--|
| | | | | |
| 15.5 | PIPES AND FITTINGS (ground level installation) | | | |
| | Supply, install and test the pipework and fittings scheduled on plan 125 821/97 ME for the following installation arrangements: | | | |
| | | oot | | |
| | (a) One tank | set | | |
| | (b) Two tank | set | | |
| | (c) Three tank | set | | |
| | (d) Four tank | set | | |
| 15.6 | WATER TANK (elevated installation) | | | |
| | 10 000 I polyethylene water tank (2980 mm high x 2200 mm diameter) detailed as fitting "W" on plan 125 821/97 ME, supplied, erected and anchored. | no | | |
| | | | | |
| 45.7 | | | | |
| 15.7 | STEEL TANK STAND | | | |
| | Supply and erect elevated tank stand in accordance with plan nos.: | | | |
| | 125 823/97 ME, 125 924/97 ME, 125 825/97 ME, 125 826/97 ME | | | |
| | (a) Painted | set | | |
| | (b) Hot dip galvanised | set | | |
| | | | | |
| 15.8 | PIPES AND FITTINGS (elevated tank installation) | | | |
| 15.8.1 | Supply, install and test the pipework and fittings scheduled on plan 125 827/97 ME for the single tank installation | set | | |
| | | | | |
| 15.8.2 | Supply, install and test the pipework and fittings scheduled on plan 125 830/97 ME for the multiple tank installation: | | | |
| | (a) Two tank arrangement | set | | |
| | (b) Three tank arrangement | set | | |
| | | | | |
| 15.9 | MARK-UP RATES | | | |



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| | (a) 5t | | km | | | | |
|-------|--|------|----|------|-----|-----------|--------|
| | (b) 7t | | km | | | | |
| 15.12 | | | | | | | |
| 13.12 | LDV | | | | | | |
| | (a) 2 x 4WD | | km | | | | |
| | (b) 4 x 4WD | | km | | | | |
| | SUBTOTAL | | | | | | |
| | TOTAL SCHEDULE 13 CARRIED FORW TO SUMMARY | IARD | | | | | |
| | Mark up rates: | | % | | | | |
| ITEM | ITEM DESCRIPTION | UNIT | | | UI | NIT PRICE | S |
| | | | YE | AR 1 | YE/ | AR 2 | YEAR 3 |
| 16.1 | DAYWORKS LABOUR | | | | | | |
| | (a) Contractor's Representative | h | | | | | |
| | (b) Surveyor | h | | | | | |
| | (c) Qualified Artisan | | | | | | |
| | (i) Plumber | h | | | | | |
| | (") D - "Le constante e | h | | | | | |
| | (ii) Boilermaker | 11 | | | | | |
| | (ii) Bricklayer | h | | | | | |
| | | | | | | | |



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|---------|--|-------------------------------|------------------|--|
| | (vi) Electrician | h | | |
| | (d) Foreman, leader-hand | h | | |
| | (e) Semi-skilled labourer | h | | |
| | (f) Labourer | h | | |
| | (g) Other | | | |
| | (i) | h | | |
| | (ii) | h | | |
| | (iii) | h | | |
| 16.2 | PLANTHIRE: WORK RATES ON SITE | | | |
| 16.2.1 | Crane 65 t - 80 t capacity | h | | |
| 16.2.2 | TLB 60 kW - 70 kW | h | | |
| 16.2.3 | Crawler Excavator 140 kW - 150 kW | h | | |
| 16.2.4 | Bulldozer 160 kW - 170 kW | h | | |
| 16.2.5 | Wheel loader 140 kW - 150 kW | h | | |
| 16.2.6 | Motor graders 150 kW - 160 kW | h | | |
| 16.2.7 | Wheel excavators 0,4 - 1,25 m ³ bucket size | h | | |
| 16.2.8 | Wheel tractor scrapers 15,0 - 16 m ³ | h | | |
| 16.2.9 | Tow tractors 200 kW - 250 kW | h | | |
| 16.2.10 | (a) Water tankers 5 000 litre | h | | |
| | (b) Water tankers 10 000 litre | h | | |
| 16.2.11 | Dump trucks 10 - 15 m ³ | h | | |
| 16.2.12 | Tip trucks | | | |
| | (a) 6 m ³ | h | | |
| | (b) 10 m ³ | h | | |
| 16.2.13 | Flat bed trucks | | | |
| | (a) 5t | km | | |
| | (b) 7t | km | | |
| 16.2.14 | LDV | | | |
| | (a) 2 x 4WD | km | | |
| | (b) 4 x 4WD | km | | |
| 16.2.15 | Lowbed 50 ton | km | | |
| 16.2.16 | Plate compactors & tampers | h | | |
| 16.2.17 | Grid rollers. Ballasted mass 14 600 kg | h | | |
| 16.2.18 | Pneumatic tyred rollers 4 000 load/wheel kg | h | | |
| 16.2.19 | Self propelled vibrating roller (smooth) | | | |
| | 7 000 - 11 300 kg | h | | |



| 16.2.20 | Self propelled vibrating roller (padfoot) | | | |
|---------|---|-----|------|--|
| | 5 900 - 12 000 kg | h | | |
| 16.2.21 | Walk-behind vibrating rollers | | | |
| | (a) 500 - 630 kg | h | | |
| | (b) 980 - 1 350 kg | h | | |
| 16.2.22 | Towed vibrating roller | h | | |
| 16.2.23 | Portable compressors - Diesel (9,0 - 10,0 m ³ /min.) | h | | |
| 16.2.24 | Concrete mixer (350 I: diesel driven) | h | | |
| 16.2.25 | Concrete saw (self propelled) 10 - 15 kW | h | | |
| 16.2.26 | Concrete vibrators (35 - 60 mm DN) | h | | |
| 16.2.27 | Dumpers 0,5 m ³ (Hydraulic tip) | h | | |
| 16.2.28 | Water pump with 80 mm DN outlet (diesel driven) | h | | |
| 16.2.29 | Arc-welding unit (300 A) | h | | |
| 16.2.30 | Generating sets | | | |
| | (a) 1,5 kVA (petrol) 220V | h | | |
| | (b) 5 kVA (petrol) 220V | h | | |
| | (c) 30 kVA (diesel) 380V - 3ph | h | | |
| | (d) 50 kVA (diesel) 380V - 3ph | h | | |
| | (e) 100 kVA (diesel) 380V - 3ph | h | | |
| 16.3 | LABOUR BASED TOOLS | | | |
| | (a) Pick | day | | |
| | (b) Shovel | day | | |
| | (c) Crowbar | day | | |
| | (d) Bucket (10 I) | day | | |
| | (e) Wheelbarrow | day | | |
| 16.4 | Percentage mark-up on items approved by the client or representative with attached invoices for material used. | % | | |
| | | | | |
| | SUBTOTAL | | | |
| | TOTAL SCHEDULE 19 CARRIED FORWARD TO SUMMARY | | | |



| SUB-SCH | EDULE 17: PALISADE FENCING | | | | |
|---------|--|----------------|--------|-------------|--------|
| ITEM | | | | | |
| | ITEM DESCRIPTION | UNIT | | UNIT PRICES | |
| | | | YEAR 1 | YEAR 2 | YEAR 3 |
| | SECURITY FENCING AND THE SUPPLY OF ALL MATERIALS | | | | |
| 17.1 | For work to be executed by nominated sub- contractor | Sum | | | |
| | (Specialised) | | | | |
| | Overheads, charge and profit on item 5.1. | % | | | |
| 17.1.1 | | | | | |
| 17.2 | SITE CLEARING | | | | |
| | Clear and grub the fence line, 2m wide strip | km | | | |
| | PALISADE FENCING | | | | |
| | Stated Name of supplier: | | | | |
| | | | | | |
| | (a) Palisade posts | No | | | |
| | (b) Palisade beams | No | | | |
| | (c) Palisade palos | No | | | |
| | (d) 12 Dia x 120 mm bolts and nuts | No | | | |
| | (e) Sliding gate 4m wide complete | No | | | |
| | (f) Razor wire on top of palisade fencing | m | | | |
| 17.3 | Percentage mark-up on items (with attached invoices | % | | | |
| | approved by the Employer or his representative for material, (other than those set out in this list) used in execution of work ordered by the Employer. | | | | |
| 17.4 | Concrete | | | | |
| | | | | | |
| | Prescribed mix 1.3.6 (38) | m ³ | | | |
| 17.5 | Earthworks (small works) | | | | |
| | Restricted excavation | | | | |



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| 17.5.1 | (a) Excavate for restricted foundation, footlings and trenches in all materials and used for backfill or dispose | m ³ | | |
|---|--|----------------|--|--|
| | | | | |
| 17.6 | DAYWORKS LABOUR | | | |
| | (a) Contractor's Representative | hr | | |
| | | | | |
| | (b) Foreman, leader-hand | hr | | |
| | | | | |
| | (c) Semi-skilled labourer | hr | | |
| | | | | |
| | (d) Labourer | hr | | |
| | | | | |
| 17.7 | Tip trucks | | | |
| | (a) 6 m ³ | h | | |
| | | | | |
| | (b) 10 m ³ | h | | |
| | | | | |
| 17.8 | Flat bed trucks | | | |
| | (a) 5t | km | | |
| | (b) 7t | km | | |
| | | | | |
| 17.9 | LDV | | | |
| | (a) 2 x 4 WD | km | | |
| | (b) 4 x 4 WD | km | | |
| TOTAL PALISADE FENCING CARRIED R | | | | |
| | | | | |
| | Mark up rates: | % | | |

| SUB-TOTAL | | |
|--------------|--|--|
| 15% VAT | | |
| TOTAL AMOUNT | | |

NB: TOTAL TENDER AMOUNT TO BE WRITTEN ON FORM OF OFFER AND TENDER AMOUNT = (YEAR 1 +YEAR 2 +YEAR 3) TAKE THE AVERAGE OF THEM.

TOTAL TENDER AMOUNT TO FORM OF OFFER AND TENDER AMOUNT= (YEAR1+YEAR2+YEAR3)/3

TOTAL TENDER AMOUNT:

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PART C3.4: GENERAL CONDITIONS OF CONTRACT

Definitions

- 1. The following terms shall be interpreted as indicated:
 - 1.1. "Closing time" means the date and hour specified in the bidding documents for the receipt of bids.
 - 1.2. "Contract" means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments a appendices thereto and all documents incorporated by reference therein.
 - 1.3. "Contract price" means the price payable to the supplier under the contract for the full a proper performance of his contractual obligations.
 - 1.4. "Corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.
 - 1.5. "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by it government and encouraged to market its products internationally.
 - 1.6. "Country of origin" means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
 - 1.7 "Day" means calendar day.
 - 1.8 "Delivery" means delivery in compliance of the conditions of the contract or order.
 - 1.9 "Delivery ex stock" means immediate delivery directly from stock actually on hand.
 - 1.10 "Delivery into consignees store or to his site" means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
 - 1.11 "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local
 - 1.12 "Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable.22 Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
 - 1.13 "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
 - 1.14 "GCC" means the General Conditions of Contract.
 - 1.15 "Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
 - 1.16 "Imported content" means that portion of the bidding price represented by the cost of

components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs



such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.

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

2. Application

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

3. General

- 3.1 unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.
- 3.2 With certain exceptions, invitations to bid are only published in the Government Tender Bulletin. The Government Tender Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from <u>www.treasury.gov.za</u>

4. Standards

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

2. Use of contract documents and information; inspection.

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



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5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause

5.3 except for purposes of performing the contract.

5.4 Any document, other than the contract itself mentioned in GCC clause

5.5 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.

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

6. Patent rights

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

7. Performance security

- 7.1 Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.22
- 7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for
- any loss resulting from the supplier's failure to complete his obligations under the contract.
- 7.3 The performance security shall be denominated in the currency of the contract, or in a freely
 - convertible currency acceptable to the purchaser and shall be in one of the following forms:
 - (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or
 - (b) a cashier's or certified cheque
- 7.4 The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in SCC.

8. Inspections, tests and analyses

- 8.1 All pre-bidding testing will be for the account of the bidder.
- 8.2 If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the Department or an organization acting on behalf of the Department.
- 8.3 If there are no inspection requirements indicated in the bidding documents and no mention ismade in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
- 8.4 If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be inaccordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.5 Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6 Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
- 8.7 Any contract supplies may on or after delivery be inspected, tested or analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with25 supplies which do comply with the requirements of the contract. Failing such removal the



rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.

8.8 The provisions of clauses 8.2 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 23 of GCC.

9. Packing

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

requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.

10. Delivery and documents

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

11. Insurance

11.1 The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the SCC. 12. Transportation 12.1 Should a price other than an all-inclusive delivered price be required, this shall be specified in the SCC.

13. Incidental services

13.1 The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:

(a) performance or supervision of on-site assembly and/or commissioning of the supplied goods; (b) furnishing of tools required for assembly and/or maintenance of the supplied goods;

(c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;

(d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and 26

(e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.

13.2 Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.

14. Spare parts

12.1 As specified in SCC, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:

(a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and

(b) in the event of termination of production of the spare parts:

(i) Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and



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

15. Warranty

15.1 The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.

15.2 This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.

15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.

15.4 Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.

15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.27

16. Payment

16.1 The method and conditions of payment to be made to the supplier under this contract shall be specified in SCC.

16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.

16.3 Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.

16.4 Payment will be made in Rand unless otherwise stipulated in SCC.

17. Prices

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

18. Contract amendments

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

19. Assignment

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

20. Subcontracts

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

21. Delays in the supplier's performance

21.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.

21.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt



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of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.

21.3 No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.

21.4 The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.28

21.5 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of penalties.

21.6 Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without canceling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

22. Penalties

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

23. Termination for default

23.1 The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:

(a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2; (b) if the Supplier fails to perform any other obligation(s) under the contract; or

(c) if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

23.2 In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.

23.3 Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.

23.4 If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (12) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (12) days the purchaser may regard29 the intended penalty as not objected against and may impose it on the supplier.

23.5 Any restriction imposed on any person by the Accounting Officer / Authority will, at the discretion of the Accounting Officer / Authority, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the Accounting Officer / Authority associated.

23.6 If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:

(i) the name and address of the supplier and / or person restricted by the purchaser;

(ii) the date of commencement of the restriction



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(iii) the period of restriction; and (iv) the reasons for the restriction. These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector. 23.7 If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2002, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

24. Anti-dumping and countervailing duties and rights

24.1 When, after the date of bid, provisional payments are required, or antidumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him

25. Force Majeure

25.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.

25.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

26. Termination for insolvency

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

27. Settlement of Disputes

27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.

27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party. 27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.

27.4 Mediation proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.

27.5 Notwithstanding any reference to mediation and/or court proceedings herein,

(a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and

(b) the purchaser shall pay the supplier any monies due the supplier.

28. Limitation of liability



28.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6; (a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and31

29. Governing language

(b) aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

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

30. Applicable law

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

31. Notices

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

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

32. Taxes and duties

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

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

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

33. National Industrial Participation (NIP) Programme

33.1 The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation. General Conditions of Contract (revised February 20

34. Prohibition of Restrictive practices

34.1. In terms of section

4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder (s) is / are or a contractor(s) was / were involved in collusive bidding (or bid rigging).

34.2. If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the purchaser, has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in the Competition Act No. 89 of 1998.

34.3. If a bidder(s) or contractor(s), has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

