



REQUEST FOR TENDER

GENERAL INFORMATION

N.B. NO TENDER DOCUMENTS TRANSMITTED PER FAX WILL BE ADMISSIBLE

Tender Advertised	21 June 2024
Estimated CIDB Grading	Tenderers should have a CIDB Contractor Grading Designation of 6CEPE/7CE or higher Tenderers who satisfy criteria stated in the Tender Data may submit tender offers.
Clarification Meeting	03 July 2024
Venue for Clarification Meeting	A compulsory clarification meeting will take place at the Engineering services, 56 Rooibok street, Highbury, 1961 (-26.515083, 28.044598)
Closing Date	23 July 2024
Closing Time	10h00 a.m
Closing Venue	25 Mitchell Street, Meyerton ,1960
Point scoring system	The 80/20-point scoring system will be applicable to this tender, i.e. 80 points for Price and 20 points for Preferential procurement (BBBEE).
Late tenders	Tender documents received after the closing time and date will be late and will not be accepted under any circumstances.

8/2/2/411 (2024 -2027) – BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK WATER SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AS AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD UNTIL 30 JUNE 2027

CLOSING DATE: 23 July 2024

Name of tenderer:		CIDB CRS Number	
Contact person:		CIDB Grading	
Telephone no:		Fax no:	
Cellular telephone no:		Email address:	

PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF MIDVAAL LOCAL MUNICIPALITY					
BID NUMBER:	8/2/2411(7CE/6CEPE OR HIGHER) (2024-2027)	CLOSING DATE:	23 July 2024	CLOSING TIME:	10:00
DESCRIPTION	BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK WATER SUPPLY LINE IN MIDVAAL LOCAL MUNICIPALITY ON AN AS WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT UNTIL 30 JUNE 2027				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).					
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT MIDVAAL LOCAL MUNICIPALITY, 25 MITCHELL STREET, MEYERTON, 1960					
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
	TCS PIN:		OR	CSD No:	
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]	☐ Yes ☐ No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT		☐ Yes ☐ No
IF YES, WHO WAS THE CERTIFICATE ISSUED BY?					
AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA) AND NAME THE APPLICABLE IN THE TICK BOX	☐	AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA)			
	☐	A VERIFICATION AGENCY ACCREDITED BY THE SOUTH AFRICAN ACCREDITATION SYSTEM (SANAS)			
	☐	A REGISTERED AUDITOR			
	☐	NAME:			
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/SWORN AFFIDAVIT (FOR EME's&QSE's) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES ANSWER PART B:3 BELOW]	
SIGNATURE OF BIDDER			DATE		
CAPACITY UNDER WHICH THIS BID IS SIGNED (Attach proof of authority to sign this bid; e.g. resolution of directors, etc.)					
TOTAL NUMBER OF ITEMS OFFERED			TOTAL BID PRICE (ALL INCLUSIVE)		
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
DEPARTMENT/ PUBLIC ENTITY	MLM		CONTACT PERSON	Mr V. Rakosa	
CONTACT PERSON	Director PMU		TELEPHONE NUMBER	(011) 907 6700	
TELEPHONE NUMBER	(016) 360 7400		FACSIMILE NUMBER	(011) 869 7434	
FACSIMILE NUMBER	(016) 360 7519		E-MAIL ADDRESS	admin@aphane.co.za	
E-MAIL ADDRESS	tenders@midvaal.gov.za				

PART B

TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:								
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION. 1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL BID DOCUMENT AND NOT TO BE RE-TYPED OR SUBMITTED ONLINE 1.3. BIDDERS MUST REGISTER ON THE CENTRAL SUPPLIER DATABASE (CSD) TO UPLOAD MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS; AND BANKING INFORMATION FOR VERIFICATION PURPOSES). B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION. 1.4. WHERE A BIDDER IS NOT REGISTERED ON THE CSD, MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS MAY NOT BE SUBMITTED WITH THE BID DOCUMENTATION. B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION. 1.5. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER LEGISLATION OR SPECIAL CONDITIONS OF CONTRACT.								
2. TAX COMPLIANCE REQUIREMENTS								
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS. 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS. 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA. 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS TOGETHER WITH THE BID. 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE PROOF OF TCS / PIN / CSD NUMBER. 2.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.								
3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS								
<table style="width: 100%; border: none;"> <tr> <td style="width: 70%;">3.1. IS THE BIDDER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?</td> <td style="width: 30%; text-align: right;"> ☐ YES ☐ NO </td> </tr> <tr> <td>3.2. DOES THE BIDDER HAVE A BRANCH IN THE RSA?</td> <td style="text-align: right;"> ☐ YES ☐ NO </td> </tr> <tr> <td>3.3. DOES THE BIDDER HAVE A PERMANENT ESTABLISHMENT IN THE RSA?</td> <td style="text-align: right;"> ☐ YES ☐ NO </td> </tr> <tr> <td>3.4. DOES THE BIDDER HAVE ANY SOURCE OF INCOME IN THE RSA?</td> <td style="text-align: right;"> ☐ YES ☐ NO </td> </tr> </table> IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN, IT IS NOT A REQUIREMENT TO OBTAIN A TAX COMPLIANCE STATUS / TAX COMPLIANCE SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.	3.1. IS THE BIDDER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	☐ YES ☐ NO	3.2. DOES THE BIDDER HAVE A BRANCH IN THE RSA?	☐ YES ☐ NO	3.3. DOES THE BIDDER HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	☐ YES ☐ NO	3.4. DOES THE BIDDER HAVE ANY SOURCE OF INCOME IN THE RSA?	☐ YES ☐ NO
3.1. IS THE BIDDER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	☐ YES ☐ NO							
3.2. DOES THE BIDDER HAVE A BRANCH IN THE RSA?	☐ YES ☐ NO							
3.3. DOES THE BIDDER HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	☐ YES ☐ NO							
3.4. DOES THE BIDDER HAVE ANY SOURCE OF INCOME IN THE RSA?	☐ YES ☐ NO							

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



THE TENDERER

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TENDER NO: 8/2/2/411(2024-2027)

**PROJECT NAME: BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF
BULK WATER SUPPLY LINE IN MIDVAAL LOCAL MUNICIPALITY ON AS
AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD UNTIL 30
JUNE 2027**

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TENDER NO: 8/2/2/411(2024-2027)

**PROJECT NAME: BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF
BULK WATER SUPPLY LINE IN MIDVAAL LOCAL MUNICIPALITY ON AS
AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD UNTIL 30
JUNE 2027**

THE TENDER

PART T1: TENDERING PROCEDURES

PART T2: RETURNABLE DOCUMENTS



TENDER NO: 8/2/2/411(2024-2027)

**PROJECT NAME: BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF
BULK WATER SUPPLY PIPELINE IN MIDVAAL LOCAL MUNICIPALITY ON
AS AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD UNTIL 30
JUNE 2027**

T1: TENDERING PROCEDURES

T.1.1	TENDER NOTICE & INVITATION	7
T.1.2	TENDER DATA	8-20



T1.1 TENDER NOTICE AND INVITATION TO TENDER

TENDER NO:8/2/2/411(2024-2027)

PROJECT NAME: BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK WATER SUPPLY PIPELINE IN MIDVAAL LOCAL MUNICIPALITY ON AS AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD UNTIL 30 JUNE 2027

Tenders are hereby invited for the **BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK WATER SUPPLY LINE IN MIDVAAL LOCAL MUNICIPALITY ON AS AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD UNTIL 30 JUNE 2027**. Tenderers should have a CIDB contractor grading of **6 CEPE/ 7CE or higher will be considered**.

Bid documents will be available from **21 June 2024**, upon the payment of a non-refundable document fee of **R 595.00**. Only cash or bank transfers (EFT) made payable to the MIDVAAL LOCAL MUNICIPALITY will be accepted. Payment should be made at MIDVAAL LOCAL MUNICIPALITY main building, 25 Mitchell street , Meyerton 1960. Documents can be collected from Supply Chain Management offices at MIDVAAL LOCAL MUNICIPALITY, Address of Supply Chain, Midvaal during office hours between Monday – Friday 07:30 – 15:00.

Bids will be evaluated and adjudicated in terms of **Revised Preferential Procurement Regulations of 2022 and Midvaal Local Municipality Supply Chain Management Policy**. Evaluation Criteria will be based on 80/20 preference point system.

Bid documents should clearly have marked **“Bid No and Bid Description”** and must be submitted in sealed envelopes in the **tender box at MIDVAAL LOCAL MUNICIPALITY, 25 Mitchell Street, Meyerton ,1960 on the 23 July 2024 at 10H00**.

Late submissions of bids will not be accepted and will be returned unopened. Bids must only be submitted in the original bid document that is issued by the municipality.

MIDVAAL LOCAL MUNICIPALITY fully Reserves the right not to accept the lowest tender or accept the whole or part of any tender submitted. The Municipality will verify any information provided in these tenders by the bidder, whether by physical inspection or telephonically.

A compulsory site inspection and clarification meeting with representatives of the Employer will take place at **Midvaal Local Municipality, 56 Rooibok Street, Highbury, Randvaal, 1960 coordinates -26.515083, 28.044598. (Opposite Randvaal Clinic) on 03 July 2024 starting at 10H00 am**.

Prepared For:	Prepared By
Midvaal Local Municipality 25 Mitchell Street MEYERTON 1960 Tel: (016) 360 7400 Email: tenders@midvaal.gov.za	Musor Aphane JV P.O. Box 19964 Sunward Park 1470 Tel : 011 907 6700 Fax: 011 869 7434 Cell: 082 808 6811 Email: admin@aphane.co.za

Tender Notice and Invitation to Tender

BID 8/2/2/411(7CE/6CEPE OR HIGHER) (2024-2027) TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK WATER SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AS AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD UNTIL 30 JUNE 2027

Employer Tender Number: BID 8/2/2/411(7CE/6CEPE OR HIGHER) (2024-2027)

cidb Reference Number: 100095558

MIDVAAL LOCAL MUNICIPALITY INVITES TENDERS FOR THE CONSTRUCTION OF BULK WATER SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AS AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD UNTIL 30 JUNE 2027

It is estimated that tenderers should have a cidb contractor grading of 7CE or higher. 6CE Potentially Emerging Enterprises who satisfy criteria stated in the Tender Data may submit Tender offers.

Preferences are offered to tenderers who have suitable experience and suitably qualified employees and resources to render the services.

The council reserves the right to accept any bid or part thereof and does not bind itself to accept the lowest or any bid and not to consider any bid not suitably endorsed or comprehensively completed.

Bids completed in pencil or re-typed will be regarded as invalid bids.

Bids must also be submitted in full, i.e with all pages attached, failure thereof will result in your bid being disqualified.

IMPORTANT INFORMATION:

Midvaal Local Municipality hereby requests all bidders to take note of the following process relating to bid documents requests and clarification notes:

- Bidding documents will be available for purchase during working hours after 12:00PM or via electronic request at tenders@midvaal.gov.za (no payment required for electronic requests) from the 21st of June 2024.
- A non-refundable tender deposit of R 595.00 payable by proof of deposit or cash is required on collection of the Tender documents, payments for the documents can be made at the municipality's rates and taxes hall during office hours Monday – Friday, 07:30 – 15:00 or alternatively direct deposits (no cheques accepted) to:

Midvaal Local Municipality Bank: Nedbank

Account Number: 1224797469,

Branch: Public Sector - Central Gauteng

NB: Please use the bid/tender number as reference and remember to bring proof of payment for collection of bid documents.

Clarifications:

- Bidders will be given an opportunity to ask questions/clarifications by sending an email to tenders@midvaal.gov.za. Please quote the Bid No. on the subject line. The 8th of July 2024 will be the cut-off to asking questions/ requests for clarifications.
- The municipality will respond to all received queries/clarifications on the 12th of July 2024.

Responsive bids will then be evaluated on 80/20 preference point system as prescribed by Midvaal Local Municipality's Supply Chain Policy and Preferential Procurement Policy, and PPPFA and its 2022 regulations.

Bids will be evaluated and adjudicated according to the following criteria:

- relevant specifications and technical proposals,
- value for money,
- capability to execute the contract,
- Midvaal SCM policy, PPPFA regulations and any other relevant legislation's, As well as any supporting documents where required.

SPECIFIC GOALS:

LOCAL ENTERPRISE:10 BBB-EE STATUS:10

- Details of the specific goals' allocation are demonstrated in the bid document.

PLEASE NOTE:

- 1.No faxed or e-mailed tenders will be accepted.
- 2.All tenders must be submitted on the official forms (not to be re-typed). Only original signed tender documents will be accepted.
- 3.Bids must be completed in black ink. No correction fluid will be allowed. All alterations must be crossed out and initialed.
- 4.Where a compulsory briefing session is required, it is the onus of the bidder to attend and arrive on time. Late arrivals will not be allowed to sign the attendance register and will be deemed to be absent.
- 5.No bids will be considered from bidders Who did not attend the briefing session.
- 6.Midvaal local municipality will not accept any bid with missing pages and not fully completed with the required attachment.

Only tenderers who have read and signed the provisions of the rules and specifications which are included in the bid documents are eligible to submit tenders.

A non-refundable tender deposit of R595.00 payable by proof of deposit or cash is required on collection of the Tender documents.

Queries relating to the issues of these documents may be addressed to:

tenders@midvaal.gov.za

Tel No. 0163605861

E-mail. tenders@midvaal.gov.za

or

tenders@midvaal.gov.za

Tel No. 0163607484

E-mail. tenders@midvaal.gov.za

A compulsory clarification meeting with representatives of the Employer will take place at Midvaal Engineering Services (Opposite Randvaal Clinic), 56 Rooibok Street, Highbury, Randvaal. USE GPS Coordinates: -26.515083, 28.044598 on 03 July 2024 starting at 10h00.

The closing time for receipt of Tenders is 10h00 on Tuesday, July 23, 2024.

Emailed and Late Tenders will not be accepted.

Tenders may only be submitted on the tender documentation that is issued.

Requirements for sealing, addressing, delivering, opening and assessment of Tenders are stated in the Tender Data.

T1.2 TENDER DATA

The conditions of tender are the Standard Conditions of Tender as contained in Annex F of SANS 294:2004.

The Standard Conditions of Tender 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 of inconsistency between it and the Standard Conditions of Tender.

Each item of data given below is cross-referenced to the subclause in the Standard Conditions of Tender to which it mainly applies.

The additional conditions of tender are:

Subclause	Data
F.1.1	The employer is the MIDVAAL LOCAL MUNICIPALITY
F.1.2	The Project Document issued by the employer consists of the following: THE TENDER Part T1: Tendering procedures: T1.1 Tender notice and invitation to tender T1.2 Tender Data Part T2: Returnable documents T2.1 Returnable Schedules required for Tender Evaluation T2.2 Other Documents required for Tender Evaluation THE CONTRACT Part C1: Agreements and contract data C1.1 Form of Offer and Acceptance C1.2 Agreement in Terms of Occupational Health And Safety Act C1.3 Guarantee C1.4 Contract Data Part C2: Pricing data C2.1 Pricing instructions C2.2 Bills of quantities C2.3 Summary of Bills of Quantities C2.4 Calculation of Tender Sum Part C3: Scope of work C3.1 Description of Works C3.2 Engineering C3.3 Procurement C3.4 Construction C4.5 Management Part C4: Site information C4.1 Site Information C4.2 Locality Plan Part C5: Environmental Management Plan Part C6 : Requirements of the Occupational Health and Safety Act and Regulation

F.1.4	The employer's agent is: Name: Musor Aphane JV Address: No. 60 2nd Avenue, Alberton North, 1448 Tel: (011) 907 6700, Fax: (011) 869 7434 e-mail: admin@aphane.co.za
F.2.1	Only those tenderers who are registered with the CIDB, or can provide proof of having applied for registration, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a CIDB Class Grading of 6CEPE/7CE or Higher class of construction work, or by a contractor who is registered as a potentially emerging enterprise in terms of these Regulations at a contractor grading designation, one level lower than the contractor's registered grading designation, provided that the client (a) is satisfied that such a contractor has the potential to develop and qualify to be registered in that higher grade; and (b) ensures that financial, management or other support is provided to that contractor to enable the contractor to successfully execute that contract are eligible to submit tenders. Joint ventures are eligible to submit tenders provided that: 1. every member of the joint venture is registered with the CIDB or can provide proof of having registered; 2. the lead partner has a contractor grading designation in the CIDB Class Grading of 6CEPE/7CE or Higher class of construction work; and the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a CIDB Class Grading of 6CEPE/7CE or Higher class of construction work are eligible to submit tenders.
F.2.7	The clarification meeting is compulsory as stated in the Tender Notice
F2.10	Tenderers are required to state the rates and currencies in Rand.
F.2.12	
F2.13.1	No tenderer may submit more than one tender as set out in this clause in the Standard Conditions of tender
F2.13.2	Tender documents do not have to be returned should the purchaser of the document not wish to tender.
F.2.13.3	a) Submit original tender, no copies of tenders will be accepted b) Tenderers shall <u>not</u> disassemble this Tender Document apart. Additional documentation including certificates shall be submitted in a separate, properly bound, document
F2.13.4	The tenderer is required to submit the following: The tenderer is required to submit the following with his tender (1) an original valid Tax Clearance Certificate issued by the South African Revenue Services; and

	(2) Proof of Contractor Registration drawn from the Construction Industry Development Board website should be attached to Returnable Schedule Form A12; (3) evidence of registration and proof of good standing with a compensation insurer who is approved by the Department of Labour in terms of Section 80 of the Compensation for Occupational Injuries and Diseases Act (Act No 130 of 1993)(COIDA). The tenderer is required to disclose all inspections, investigations and their outcomes conducted by the Department of Labour into the conduct of the tenderer at a time during the 36 months preceding the date of this Tender; (4) Proof of Registration in respect of each partner, where a tenderer satisfied the CIDB contractor grading designation requirements through the formation of a joint venture; (5) Submit their Broad-Based Black Economic Empowerment status level certificate or certified copy thereof issued by a registered verification agency in accordance with the Preferential Procurement Policy Framework Act, 2000; Preferential Procurement Regulations, 2022. Joint ventures/consortiums will qualify for preference points, provided that the entity submits the relevant certificate/score card in terms of Preferential Procurement Regulations, 2022. Note that in the case of unincorporated entities, a verified score card must be submitted with the Tender. (6) A tender submitted jointly by two companies shall be accompanied by a copy of the document establishing the joint venture registered, joint venture bank account, and authenticated by an official who is authorized to witness sworn statements. The document shall clearly state the reason for the amalgamation, its period of validity and the persons who will represent it, how their assets will be legally obligated, and any further information that will explain the functions of the joint venture.
F.2.13.5	The employer's address for delivery of tender offers and identification details to be shown on each tender offer package are: Location of tender box: MIDVAAL LOCAL MUNICIPALITY, 25 Mitchell Street, Meyerton, before 10H00 on the closing date. The tenders will be opened in public. Identification details: BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK WATER SUPPLYLINE IN MIDVAAL LOCAL MUNICIPALITY ON AS AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD UNTIL 30 JUNE 2027 CONTRACT NUMBER: BID 8/2/2/411(7CE/6CEPE OR HIGHER) (2024-2027)
F.2.13. & F.3.5	A two-envelope procedure will not be followed.
F.2.15	Closing time for submission of tender offers is: 10H00 on 23 July 2024 Telephonic, telegraphic, telex, facsimile, e-mailed or postal tender offers will not be accepted.
F.2.16	2. 16.1a) Tenders shall remain valid for a period of ninety (90) days from the time set for the opening of Tenders and no Tender may be withdrawn during this period. 2.16.1b) Should a Tenderer amend (other than according to F 3.9) or withdraw his Tender after the time set for the receipt and opening of Tenders and during the period of its validity, but prior to his being notified of the acceptance of his original Tender, or should a Tenderer, after having been notified that his Tender has been accepted a) give notice of his inability to execute the Consultancy Agreement / Contract in terms of his tender; or b) fail to sign a Consultancy Agreement / Contract or furnish the security

	within the period fixed in the conditions reflected in the form of Tender or any extended period fixed by the Employer; or c) fail to execute the Consultancy Agreement / Contract according to the documents; He shall pay either the difference between his Tender and a less favourable Tender accepted in terms of the provisions of Tender sub Condition 3.1(d), or if the Employer decides to invite fresh Tenders, all additional expenses which the Employer has to incur in this regard, as well as any difference between his Tender and the accepted new Tender; provided that the Employer may fully or partly exempt a Tenderer from the provisions of this sub condition if he is of the opinion that the circumstances justify the exemption. 2.16.1c) When, in the circumstances mentioned in Tender sub Condition 3.10(c) it is not deemed desirable to invite fresh Tenders, the Employer may accept another Tender from those already received.
F.2.17	The tendered lump sums and rates shall be final and binding irrespective of the total tender price (See C2.1.11).
F.2.18	Any additional information requested under this clause must be provided within 5 working days of the date of request. The tenderer shall, when requested by the Employer to do so, submit the names of all management and supervisory staff that will be employed to supervise the labour-intensive portion of the Works together with satisfactory evidence that such staff members satisfy the eligibility requirements.
F.2.19	No access for tests and inspections are required during the tendering period.
F.2.20	The tenderer must submit to the Employer the names of all management and supervisory staff that will be employed to supervise the labour-intensive portion of the works together with satisfactory evidence that such staff members satisfy the eligibility requirement
F.2.23	The tenderer is required to submit with his tender an original valid Tax Clearance Certificate issued by the South African Revenue Services ("SARS"), certifying that the tenderer's taxes are in order. <u>This must be submitted with the Tender in order to be considered. The tenderer must also submit with the tender a letter of good standing from Compensation Commissioner or FEMA and any other documents mentioned in these tender data.</u>
F2.24	TENDER WITHDRAWAL OR MODIFICATION PRIOR TO CLOSING DATE Any Tenderer has the right to withdraw, modify or correct his Tender after it has been delivered, provided that written request for such withdrawal, modification or correction, together with full details of such modification or correction is received at the address given for the submission of Tenders before the closing date and set for the receipt of Tenders. The original Tender as amended by such written or facsimile communication shall be considered Tenderer's offer.
F.3.4	The time and location for opening of tender offers: Time: 10H00 Location: MIDVAAL LOCAL MUNICIPALITY , 25 Mitchell Street, Meyerton
F.3.5	The two-envelope system will not be followed for this Tender.
F.3.7	In the event of disqualification, the Employer may, at his sole discretion, impose a

	specified period during which tender offers will not be accepted from the offending tenderer and report same to the CIDB and National Treasury.
F3.11.1	The procedure for the evaluation of responsive tenders is Method 3.
F.3.11.4	Objective criteria: A financial tender evaluation process will be conducted on the compliant and responsive tenders as described in Annexure A included after this Tender Data. This evaluation is conducted to identify unduly high or low rates that may expose the Employer to considerable financial risk. This may result that the tenderer with the highest score might not be re-commended.
F.3.11.7	The value of W_1 is: 1) 90 where the financial value, inclusive of VAT, of all responsive tender offers received has a value in excess of R50 000 000,00; or 2) 80 where the financial value, inclusive of VAT, of one or more responsive tender offers has a value that equals or is less than R50 000 000,00. The value of A will be calculated utilising the following formula: $A = (1 - (P - P_m) / P_m)$ Where P is the comparative offer of the tender offer under consideration and P_m is the comparative offer of the most favourable comparative offer In the event that the calculated value is negative, the allocated score shall be 0.
F.3.11.8	Up to 100 minus W_1 tender evaluation points will be awarded to tenderers who submit responsive tenders and who are found to be eligible for the preference claimed. Points are based on a tenderer's scorecard measured in terms of the Broad-Based Black Economic Empowerment Act (B-BBEE, Act 53 of 2003) and the Regulations (2017) to the Preferential Procurement Policy Framework Act (PPPFA, Act 5 of 2000). Points awarded will be according to a tenderer's B-BBEE status level of contributor and Local Enterprise summarised in the table below:

SPECIFIC GOALS – POINTS CLAIM				
Goal	Weight		Required Proof	Bidder's Checklist
Local Enterprise (10 Points)	10 Points, if the business operates within the jurisdiction of Midvaal Local Municipality		- Rates and Taxes statement in the name of the business, or that of its director(s); OR	☐ YES ☐ NO
	5 Points, if the business operates outside Midvaal but within the Sedibeng District jurisdiction			
	3 Points, if the business operates outside the Sedibeng jurisdiction		- Confirmation of the company's director(s) ward and voting district as per the IEC (Independent Electoral Commission of South Africa)	
	0 points for non-submission			
B-BBEE Status (10 Points)	Status Contributor	Points	B-BBEE certificate: - issued by the DTIC (The Department of Trade and Industry and Competition) through CIPC; OR - from an accredited institution registered with SANAS; OR - a valid sworn affidavit, as issued by the DTIC	☐ YES ☐ NO
	1	10		
	2	8		
	3	6		
	4	5		
	5	4		
	6	3		
	7	2		
8	1			

B-BBEE Status Level of contributor	Qualification	Number of Points for Contract value up to R50 000 000	Number of Points for Contract Value above R50 000 000
1	≥ 100 points	20	10
2	≥ 85 but < 100 points	18	9
3	≥ 75 but < 85 points	14	6
4	≥ 65 but < 75 points	12	5
5	≥ 55 but < 65 points	8	4
6	≥ 45 but < 55 points	6	3
7	≥ 40 but < 45 points	4	2
8	≥ 30 but < 40 points	2	1
Non-compliant Contributor	< 30 points	0	0

Eligibility for preference points is subject to the following conditions:

- A tenderer's scorecard shall be based on the Construction Sector Codes of Practice promulgated in Government Gazette 32305 of 5 June 2009, only if such certificate has been issued before 17 February 2016, alternatively a B-BBEE Certificate issued in accordance with the revised Notice of Clarification published in Notice 444 of 2015 of Government Gazette No.38799 on 15 May 2015 by the Department of Trade and Industry; and
- The scorecard shall be submitted as a certificate attached to Returnable Schedule Form C1; and
- The certificate shall:

	– be an original or an original certified copy of the original; and – have been issued by a verification agency accredited by the South African National Accreditation System (SANAS); or – have been issued by a registered auditor approved by the Independent Regulatory Board of Auditors (IRBA), and • The Verification Certificate must be valid at the tender closing date; and • The date of issue of the certificate must be less than 12 (twelve) months prior to the advertised tender closing date (see Tender Data 4.15); and • Compliance with any other information requested to be attached to Form C1; and • If a tenderer claims a preference score without submitting an acceptable verification certificate, a period of 24 hours will be granted to submit an acceptable verification certificate which was valid at date of tender closure; and • Failure to submit a valid verification certificate will result in the award of 0 (zero) points for preference; and In the event of a joint venture (JV), a consolidated B-BBEE verification certificate in the name of the JV shall be submitted.								
F.3.11.9	EVALUATION OF TENDER OFFERS <u>Functional Evaluation Criterion</u> The Bidders who fulfil the Pre-Qualifying Criteria will be evaluated for <u>Technical (Functionality) Criteria</u> as shown in the following table below: - The maximum points allocation per criterion is summarised in the following table: <table border="1"> <thead> <tr> <th>CRITERION</th><th>MAXIMUM POINTS TO BE ALLOCATED</th></tr> </thead> <tbody> <tr> <td>Company Experience</td><td>30</td></tr> <tr> <td>Experience of Key Staff</td><td>30</td></tr> <tr> <td>TOTAL</td><td>60</td></tr> </tbody> </table> Bidders must score a minimum of 40 points of the functionality points to be evaluated further. <u>Company Experience</u> Tenderer's experience: The scoring of the Tenderer's experience will be as shown in the table below. Should a tenderer score below the minimum points allowed, this will lead to the tenderer not being evaluated further for the next category. Bidders are to submit a minimum of Three (03) appointment letter with corresponding completion certificates for Construction of Bulk Water Supply Projects at a minimum value of (Five) R5 Million per project. The portfolio of evidence that will be considered is an appointment letter and a corresponding completion certificate (or Practical Completion Certificate) only.	CRITERION	MAXIMUM POINTS TO BE ALLOCATED	Company Experience	30	Experience of Key Staff	30	TOTAL	60
CRITERION	MAXIMUM POINTS TO BE ALLOCATED								
Company Experience	30								
Experience of Key Staff	30								
TOTAL	60								

Company Experience:					
Criteria	Max points	Description of requirements	Points Allocation		Minimum Qualifying Points
Company Experience	30	Bidders to submit both appointment letters and corresponding completion certificates indicating previous experience in Bulk Water Pipeline Construction projects, within the last 10 years (2013 to date). Note: The project value can either be indicated on the appointment letter or the completion certificate. Various completion certificates for one appointment letter will be considered. Projects where bidders were subcontracted on will only be accepted if both the appointment letter and the completion certificate of the main contractor and the subcontractor are attached.	0 Projects Completed	0 points	20
			1 to 2 Projects Completed	10 points	
			3 to 5 Projects Completed	20 points	
			6 and above Projects Completed.	30 points	
Bidders must score a minimum of 20 qualifying points to be evaluated further.					
<u>KEY PERSONNEL</u>					
Bidders must Provide copies of their CV's and certified qualifications for their key staff to obtain points. Failure to submit the required documentation will result in the bidder not being evaluated further.					
<u>Site Agent</u>					
(Total Points 10) - Bidders must score a minimum of 5 qualifying points to be evaluated further.					
Bidders to note that the minimum required Engineering qualification for a Site Agent is B-Tech in Civil Engineering (NQF 7) and 5 years' experience on Bulk Water Projects. A minimum of 3 Projects to the value of R5 mil or more in Bulk water serves as a requirement for this evaluation.					
Scoring	Points	Site Agent			
Very Poor	0	Less than 1 years' Bulk Water Pipeline experience zero projects and/or no qualification.			

Poor	3	Bidders to submit B-Tech (NQF 7) or above in Civil Engineering or Built Environment qualification with 1 year to less than 5 years Bulk Water Supply experience.
Good	5	Bidders to submit B-Tech (NQF 7) or above in Civil Engineering or Built Environment qualification with 5 years Bulk Water Supply experience.
Very Good	10	Bidders to submit B-Tech (NQF 7) or above in Civil Engineering or Built Environment qualification with 6 years and above in Bulk Water Supply experience.

*** Experience must be relevant to the Construction of Bulk Water Supply Projects.**

***Copies of C.V. and certified copies of qualifications must be attached**

- **A minimum qualifying score of 5 is required to be evaluated further**

Site Foreman

Total Points 10) - Bidders must score a minimum of 5 qualifying points in order to be evaluated further.

Minimum required experience is five (5) years' in bulk water construction projects. Furthermore, the Foreman must be in possession of a plumber's trade with a RED SEAL CERTIFICATE (NQF 3).

Scoring	Points	Site Foreman
Very Poor	0	Less than 1 years Bulk Water Pipeline experience and/or no qualification.
Poor	3	Bidder to submit NQF level 3 or above with Red Seal Certificate (Plumber), with 1 year to less than 5 years' experience in Bulk Water Pipeline Project
Good	5	Bidders to submit NQF level 3 or above with Red Seal Certificate (Plumbing), with 5 years' experience in Bulk Water Pipeline Project.
Very Good	10	Bidders to submit NQF level 3 or above with Red Seal Certificate (Plumbing), with 6 years experience and above in Bulk Water Pipeline Project.

*** Experience must be relevant to the Construction of Bulk Water Pipeline Projects.**

*** Attach CV and certified copies qualifications of NQF level 3 or above.**

A minimum **score of 5** is required for the bid to be considered further. **A less than marginal score will lead to an automatic rejection of the tenderer.**

Safety Officer

Safety Officer (Total Points 10)- Maximum Qualifying Points (10 points). Bidders should note that the Required minimum qualification for OHS Officer is to be registered with SACPCMP (South African Council for the Project and Construction Management Professions) as a Pr. CHSA (construction health and safety agent) or Pr. CHSO (construction health and safety officer) and an NQF 5 in Occupational Health and Safety Management

Scoring	Points	
Very Poor	0	Bidders did not submit NQF 5 qualification in Occupational Health and Safety Management with no Pr. CHSA or Pr. CHSO registration
Poor	5	Bidders to submit NQF level 5 qualification or above in Occupational Health & Safety or Safety Management without Pr. CHSA or Pr. CHSO.
Good	10	Bidders to submit NQF level 5 qualification or above in Occupational Health & Safety or Safety Management with Pr. CHSA or Pr. CHSO

***Experience must be in construction for the Safety Officer.**

***Attach CV and certified copies of Qualification of NQF level 5 or above in Occupational Health & Safety or Safety Management and Pr. CHSA or Pr. CHSO certificate**

Note: The bidders need to score a minimum of 40 points for Functionality to be evaluated further.

Please note that the personnel required on this tender shall remain valid for the duration of the project, approval from the municipality should be sourced for any change in personnel with equivalent or higher requirements.

The personnel required as above should be available for construction duration.

CERTIFICATE OF UNDERTAKING

I, the undersigned, in submitting the accompanying bid:

BID 8/2/2/411(6CEPE/7CE OR HIGHER) (2024-2027): BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK WATER SUPPLY LINE IN MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT.

in response to the invitation for the bid made by:

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

I certify, on behalf of:

_____ that:

(Name of Bidder)

1. I will ensure that all plant and equipment required for the duration of the project as per the prescribed scope of work, will be made available by myself (the bidder) upon award of contract for the entire duration of the contract as and when required for the purpose of executing the works. In the event of not owning the plant and / or equipment I will lease the required plant and equipment for use on an as and when required basis.

2. It is my (the bidder) responsibility to ensure that all plant and equipment available will be in good working condition and will not be older than 15 years (2008).

The following plant is required but not limited to, as per the list below:

Item No	Plant
1	Excavator
2	TLB
3	Tipper Trucks
4	Water Tanker
5	Horizontal Directional Drilling Machine
6	Packer
7	Roller / Compactor
8	Welding Machine
9	LDV Bakkie

3. All rates must include 15% VAT.

.....

Signature Date

.....

Position Name of Bidder

Clause Number	Tender Data
F.3.13	In addition to the requirements of the Condition of Tender, offers will only be accepted if: • The tenderer has in his or her possession an original valid Tax Clearance Certificate issued by the South African Revenue Services or has made arrangements to meet outstanding tax obligations; • The tenderer is registered with the Construction Industry Development Board with an appropriate contractor grading designation; • The tenderer or any of its directors is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector; • The tenderer has not abused the Employer's supply chain management system; • The tenderer has not failed to perform on any previous contract and has not been given a written notice to this effect; • The tenderer is registered on the National Treasury Central Supplier Database; • To attend a compulsory briefing session and site inspection. Signing the briefing and site inspection attendance register is mandatory; • The tenderer has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the Employer or potentially compromise the tender process; • Tenderers must submit proof of subcontracting arrangement between the main tenderer and subcontractors.
F.3.17	The number of paper copies of the signed contract to be provided by the Employer is 1.
F.3.19	All requests shall be in writing.



TENDER NO: 8/2/2/411(2024-2027)

**PROJECT NAME: BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF
BULK WATER SUPPLY PIPELINE IN MIDVAAL LOCAL MUNICIPALITY ON
AS AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD UNTIL 30
JUNE 2027**

T2: LIST OF RETURNABLE DOCUMENTS

The tenderer must complete the following returnable documents:

T2.1 LIST OF RETURNABLE SCHEDULES	21
T2.2 OTHER DOCUMENTS REQUIRED FOR TENDER EVALUATION	58



TENDER NO: 8/2/2/411(2024-2027)

PROJECT NAME: BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK WATER SUPPLY PIPELINE IN MIDVAAL LOCAL MUNICIPALITY ON AS AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD UNTIL 30 JUNE 2027

T 2.1 LIST OF RETURNABLE SCHEDULES

NB. Additional documentation including certificates shall be submitted in a separate, properly bound, document.

T2.1 A	CERTIFICATE OF AUTHORITY
T2.1 B	CERTIFICATE OF ATTENDANCE AT CLARIFICATION MEETING
T2.1 C	RECORD OF ADDENDA TO TENDER DOCUMENTS
T2.1 D	CONTRACTOR'S ESTABLISHMENT ON SITE
T2.1 E	CERTIFICATE OF NON-COLLUSIVE TENDER
T2.1 F	CERTIFICATE OF INDEPENDENT BID DETERMINATION
T2.1 G	COMPLIANCE WITH OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 AND CONSTRUCTION REGULATIONS, 2003
T2.1 H	FINANCIAL DETAILS, STATEMENTS AND BANK REFERENCES
T2.1 I	CONSTRUCTION INDUSTRIES DEVELOPMENT BOARD REGISTRATION
T2.1 J	COMPULSORY ENTERPRISE QUESTIONNAIRE
T2.1 K	DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES (MBD8)
T2.1 L	CERTIFICATE OF INDEPENDENT BID DETERMINATION (MBD9)
T2.1.M	DECLARATION FOR PROCUREMENT ABOVE R10M (VAT INCLUDED) (MBD 5)
T2.1 N	DECLARATION OF INTEREST (MBD 4)
T2.1 O	REGISTRATION ON NATIONAL TREASURY CENTRAL SUPPLIERS DATABASE
T2.1 P	ORIGINAL CERTIFIED COPIES OF DIRECTORS / MEMBERS / TRUSTEES IDENTITY DOCUMENTS
T2.1 Q	COPIES OF COMPANY REGISTRATION DOCUMENTS
T2.1 R	CURRICULUM VITAE OF THE SITE AGENT, SITE FOREMAN AND SAFETY OFFICER
T2.1 S	SCHEDULE OF LOCAL LABOUR CONTENT
T2.1 T	EMPLOYMENT OF SMME'S
T2.1 U	MUNICIPAL SERVICES, RATES AND TAXES CLEARANCE CERTIFICATE FOR SUPPLY CHAIN PURPOSE

T2.1A CERTIFICATE OF AUTHORITY

Indicate the status of the tenderer by ticking the appropriate box hereunder. The tenderer must complete the certificate set out below for the relevant category.

A Company	B Partnership	C Joint Venture	D Sole Proprietor	E Close Corporation

A. Certificate for company

I,....., chairperson of the board of directors of hereby confirm that by resolution of the board (copy attached) taken on20...., Mr/Ms.....acting in the capacity of.....,was authorised to sign all documents in connection with this tender and any contract resulting from it on behalf of the company.

As witness

1.....
Chairman

2.....
Date

B. Certificate of partnership

We, the undersigned, being the key partners in the business trading as hereby authorise Mr/Ms....., acting in the capacity of.....to sign all documents in connection with the tender for Contract.....and any contract resulting from it on our behalf.

NAME	ADDRESS	SIGNATURE	DATE

NOTE: This certificate is to be completed and signed by all of the key partners upon whom rests the direction of the affairs of the Partnership as a whole.

C. Certificate for Joint Venture

We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorise Mr/Ms....., authorised signatory of the company,

acting in the capacity of lead partner, to sign all documents in connection with the tender offer for Contract.....and any other contract resulting from it on our behalf.

This authorisation is evidenced by the attached power of attorney signed by legally authorised signatories of all the partners to the Joint Venture.

NAME OF FIRM	ADDRESS	AUTHORISING SIGNATURE, NAME & CAPACITY
Lead partner		

D. Certificate for sole proprietor

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

As Witness:

1.....
Signature: Sole owner

2.....
Date

E. Certificate for Close Corporation

We, the undersigned, being the key members in the business trading as.....hereby authorise Mr/Mrs.....

Acting in the capacity of....., to sign all documents in connection with the tender for Contract.....and any contract resulting from it on our behalf.

NAME	ADDRESS	SIGNATURE	DATE

NOTE: This certificate is to be completed and signed by all the key members upon whom rests the direction of the affairs of the Close Corporation as a whole

Notes to tenderer:

- The signatory for the tenderer shall confirm his/her authority thereto by attaching on the tendering company's letterhead a duly signed and dated copy of the relevant resolution of the board of directors/partners.**
- In the event that the tenderer is a joint venture, a certificate is required from each member of the joint venture clearly setting out:**
 - authority for signatory,
 - undertaking to formally enter into a joint venture contract should an award be made to the joint venture,
 - name of designated lead member of the intended joint venture, as required by tender conditions.
- The resolution above is given as an example of an acceptable format for authorisation, but submission of this page with the example completed shall not be accepted as authorisation of the tenderer's signatory.**

T2.1B CERTIFICATE OF ATTENDANCE AT CLARIFICATION MEETING

This is to certify that

.....(Tenderer)

of

.....(address)

.....
was represented by the person(s) named below at the compulsory meeting held for all tenderers at
.....(location) on.....(date), starting at.....

We acknowledge that the purpose of the meeting was to acquaint ourselves with the site of the works and / or matters incidental to doing the work specified in the tender documents in order for us to take account of everything necessary when compiling our rates and prices included in the tender.

Particulars of person(s) attending the meeting:

Name Signature.....

Capacity.....

Name..... Signature.....

Capacity.....

Attendance of the above persons at the meeting is confirmed by the employer's representative/ engineer, namely:

Name..... Signature.....

Capacity..... Date & Time.....

T2.1C RECORD OF ADDENDA TO TENDER DOCUMENTS

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

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

Attach additional pages if more space is required.

Signed..... Date

Name..... Position.....

Tenderer.....

T2.1 D CONTRACTOR'S ESTABLISHMENT ON SITE

The combined extended total tendered for Item 1.1 and Item 1.2 for the contractor's general obligations, i.e.

(1.1) Fixed changed Item.

(1.2) Time Related Item.

shall not exceed a maximum of 15 % of the tender sum (excluding VAT).

Total tendered for Item 1.1 and Item 1.2 expressed as a percentage of the tender sum (excluding VAT):% (insert percentage).

.

SIGNED ON BEHALF OF TENDERER

T2.1 E CERTIFICATE OF NON-COLLUSIVE TENDER

1 IN THE CASE OF A SINGLE CONSTRUCTION CONCERN:

I/We certify that this is a bona fide tender.

I/We also certify that I/We have not done and I/We undertake not to do any of the following at any time before the hour and date specified for the closure of submission of tenders for this contract.

- a) Fix or adjust the amount of this tender by or under or in accordance with any agreement or arrangement with any other person;
- b) communicate to a person other than the person calling for these tenders the amount or approximate amount of the proposed tender, except when the confidential disclosure of the approximate amount of the tender is necessary to obtain the insurance-premium quotations required for preparation of the tender;
- c) cause or induce any other person to communicate to me/us the amount or approximate amount of any rival tender for this contract;
- d) enter into any agreement or arrangement with any other person to induce him to refrain from tendering for this contract, or to influence the amount of any tender or the conditions of any tender to be submitted, nor cause or induce any other person to enter into any such agreement or arrangement;
- e) offer or pay or give or agree to pay or to give any sum of money or valuable consideration directly or indirectly to any person for doing or having done or causing or having caused to be done in relation to any tender or proposed tender for this contract, any action similar to those described above.

In this certificate the term "person" includes juristic or natural persons, body of persons or association, whether corporate or not, and the term "agreement or arrangement" includes any agreement or arrangement, whether formal or informal and whether legally binding or not.

SIGNED ON BEHALF OF TENDERER:

T2.1E: CERTIFICATE OF NON-COLLUSIVE TENDER (continued)

2 IN THE CASE OF A CONSORTIUM OF CONSTRUCTION CONCERNS:

We certify that this is a bona fide tender.

We also certify that we have not done and we undertake not to do any of the following at any time before the hour and date specified for the closure of submission of tenders for this contract:

- a) Fix or adjust the amount of this tender by or under or in accordance with any agreement or arrangement with any person outside this consortium;
- b) communicate to a person outside this consortium other than the person calling for these tenders, the amount or approximate amount of the proposed tender, except when the confidential disclosure of the approximate amount of the tender is necessary to obtain insurance premium quotations required for preparation of the tender;
- c) cause or induce any person outside this consortium to communicate to us the amount or approximate amount of any rival tender for this contract.
- d) enter into any agreement or arrangement with any person outside this consortium to induce him to refrain from tendering for this contract, or to influence the amount of any tender or the conditions of any tender to be submitted, nor cause or induce any person outside this consortium to enter into any such agreement or arrangement;
- e) offer or pay or give or agree to give any sum of money or valuable consideration directly or indirectly to any person outside this consortium for doing or having done or causing or having caused to be done in relation to any tender or proposed tender for this contract, any action similar to those described above.

In this certificate the term “person” includes juristic or natural persons , body of persons or association, whether corporate or not, the term “agreement or arrangement” includes any agreement or arrangement, whether formal or informal and whether legally binding or not, and the term “person outside this consortium” means, when the consortium is a partnership, a person other than a partner or an employee of a partner or the partnership, or when the consortium is a company, a person other than a person or company holdings shares in the consortium, or any employee of such a person, company or the consortium.

SIGNED ON BEHALF OF TENDERER:

T2.1 F CERTIFICATE OF INDEPENDENT BID DETERMINATION

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

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of Institution)

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

I certify, on behalf of:

at: _____th

(Name of Bidder)

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

- (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
- (f) bidding with the intention not to win the bid.

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

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

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

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

**T2.1 G COMPLIANCE WITH OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 AND
CONSTRUCTION REGULATIONS, 2003**

The tenderer shall attach evidence that he is registered and in good standing with a compensation insurer who is approved by Department of Labour in terms of section 80 of the Compensation for Injury and Disease Act (COID) (Act 130 of 1993).

The tenderer is required to disclose, by also attaching documentary evidence, all inspections, investigations and their outcomes conducted by the Department of Labour into the conduct of the tenderer at any time during the 36 months preceding the date of this tender.

Attach a valid letter of good standing from the Compensation Commissioner.

SIGNED ON BEHALF OF THE TENDERER:

Note to tenderer:

Discovery that the tenderer has failed to make proper disclosure may result in MLM terminating a contract.

T2.1 H FINANCIAL DETAILS, STATEMENTS AND BANK REFERENCES

1. FINANCIAL STATEMENTS

I/We agree, if required, to furnish a copy of the latest audited set of financial statement together with my/our Director's and Auditor's report for consideration by the RAL.

2. DETAILS OF TENDERER'S BANK ACCOUNT

MUST BE COMPLETED BY TENDERER'S BANK

- a) Account Holder Name:
- b) Name of Bank:
- c) Branch of Bank
- d) Town/city/suburb where bank is situated
- e) Contact Person at the Bank:
- f) Telephone number of Bank: Code: Number:
- g) Account Number:
- h) Bank rating:.....

SIGNED ON BEHALF OF THE BANK

NAME OF BANK OFFICIAL:.....

DESIGNATION:.....

SIGNATURE:.....

DATE:.....



BANK STAMP

- 3.** I/We hereby authorise the Employer to approach the above Bank for confirmation.

SIGNED ON BEHALF OF THE TENDERER:.....

DATE:.....

NB: ANY OTHER DOCUMENT WILL NOT BE ACCEPTED

T2.1 I CONSTRUCTION INDUSTRIES DEVELOPMENT BOARD REGISTRATION

The tenderer is to attach either:

- Written proof of his registration with the CIDB with the relevant grade as indicated/specified in the tender document

Or

- Written proof of his application to the CIDB for registration as a contractor in the category listed above.

Note:

1. Failure to attach such documentation as prescribed to this page shall result in this tender not being further considered for the award of the contract.
2. Should this tender be considered for award of the contract, based on proof of submission of application for registration in the appropriate category with the CIDB, and should proof of such subsequent registration not be forthcoming to the employer by the time of award of the contract, then this tender will no longer be considered for the award of the contract.

T2.1 J 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 OTHERWISE THE TENDER WILL BE DECLARED NON-RESPONSIVE

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:

Section 3: CIDB registration number, if any:

Section 4: 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 in the 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 stake holder 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 provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| ☐ A member of any provincial legislature | |
| ☐ A member of the National Assembly or the National Council of Province | ☐ A member of an accounting authority of any national or provincial public entity |
| ☐ A member of the board of directors of any municipal entity | ☐ An employee of Parliament or a provincial legislature |
| ☐ An official of any municipal or municipal entity | |

If any of the above boxes are marked, disclose the following:

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

* 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 stake holder 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 provincial public entity or constitutional institution within the meeting of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| ☐ a member of any provincial legislature | |
| ☐ a member of the National Assembly or the National Council of Province | ☐ a member of an accounting authority of any national or provincial public entity |
| ☐ a member of the board of directors of any municipal entity | ☐ an employee of Parliament or a provincial legislature |
| ☐ an official of any municipal or municipal entity | |

Name of spouse, child or parent	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	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:

- i) authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my/our tax matters are in order;
- ii) confirms that neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
- iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- iv) confirms that I/we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and
- v) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed Date

Name Position

Enterprise name

T2.1. K DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

MBD 8

(Note that in this document, the words bid and tender, bidder and tenderer, bidders and tenderers should be used interchangeably)

1. The bid of any bidder may be disregarded if the bidder, or any of its directors have-
 - a. abused the Midvaal Local Municipality's supply chain management system;
 - b. committed fraud or any other improper conduct in relation to such system, or
 - c. failed to perform on any previous contract.
2. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

Item	Question	Yes	No
2.1	Is the bidder or any of its directors listed on the National Treasury's database as companies or persons prohibited from doing business with the public sector? (Companies or persons who are listed on this database were informed in writing of this restriction by the National Treasury after the <i>audi alteram partem</i> rule was applied).		
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 (No12 of 2004?) To assess this Register enter the National Treasury's website, www.treasury.gov.za, click on the icon "Register for Tender Defaulters" or submit your written request for a hard copy of the Register to facsimile number (012) 3265445		
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 outside of the Republic of South Africa) for fraud or corruption during the past five years?		
2.3.1	If so, furnish particulars:		
2.4	Was any contract between the bidder and any organ of state terminated during the past five years on account of failure to perform on or comply with the contract?		
2.4.1	If so, furnish particulars:		

CERTIFICATION

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

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

Signature

Date

Position

Name of Bidder

T2.1.L CERTIFICATE OF INDEPENDENT BID DETERMINATION (MBD 9)

1. This Municipal Bidding Document (MBD) must form part of all bids¹ invited.
2. Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
3. Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
 - a. take all reasonable steps to prevent such abuse;
 - b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
 - c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
4. This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
5. In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

¹Includes 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.

T.2.1.M DECLARATION FOR PROCUREMENT ABOVE R10 MILLION (VAT INCLUDED) (MBD 5)

TENDERERS MUST COMPLETE THE FOLLOWING QUESTIONNAIRE:

1. Are you by law required to prepare annual financial statements for auditing? **YES / NO**

1.1. If yes, submit audited annual financial statements for the past three years or since the date of establishment if established during the past three years.

.....
.....

1.2. If no, un-audited financial statements must be submitted with your tender.

.....
.....

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

2.1. If no, this serves to certify that the Tenderer 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.

2.2. If yes, provide particulars.

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

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

3.1. If yes, furnish particulars.

.....
.....

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME)

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

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

POSITION		SIGNATURE		DATE

T2.1.N DECLARATION OF INTEREST

MBD 4

1. Any legal person, including persons employed by the state¹, or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid (includes an advertised competitive bid, a limited bid, a proposal or written price quotation). In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where-
 - the bidder is employed by the state; and/or
 - the legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the bid.
2. **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**
 - 2.1 Full Name of bidder or his or her representative:
 - 2.2 Identity Number:.....
 - 2.3 Position occupied in the Company (director, trustee, shareholder², member):
.....
 - 2.4 Registration number of company, enterprise, close corporation, partnership agreement or trust:
 - 2.5 Tax Reference Number:
 - 2.6 VAT Registration Number:
 - 2.6.1 The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / PERSAL numbers must be indicated in paragraph 3 below.

¹“State” means –

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

(e) Parliament.

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

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

2.7.1 If so, furnish the following particulars:

Name of person / director / trustee / shareholder/ member:

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

.....

Position occupied in the state institution:

Any other particulars:

.....

.....

.....

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

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

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

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

.....

.....

.....

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

2.8.1 If so, furnish particulars:

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

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

2.9.1 If so, furnish particulars.

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

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

2.10.1 If so, furnish particulars.

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

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

2.11.1 If so, furnish particulars:

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

3 FULL DETAILS OF DIRECTORS / TRUSTEES / MEMBERS / SHAREHOLDERS.

Full Name	Identity Number	State Employee Number / Persal Number

DECLARATION

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

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

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

.....
Signature

.....
Date

.....
Position

.....
Name of bidder

T2.1.O REGISTRATION ON NATIONAL TREASURY CENTRAL SUPPLIERS DATABASE

The tenderer shall provide a printed copy of the Active Supplier Listing on the National Treasury Central Supplier Database. (www.treasury.gov.za). In the case of a joint venture (JV), the tenderer shall provide printed copies of the Active Supplier Listing on the National Treasury Central Supplier Database for each member of the JV. In the case of a Joint Venture, a printed copy of the Active Supplier Listing must be provided for each member of the Joint Venture.

Name of Contractor:

Central Supplier Database Supplier Number:

Supplier Commodity:

Delivery Location:

**T2.1 P ORIGINAL CERTIFIED COPIES OF DIRECTORS / MEMBERS /
TRUSTEES IDENTITY DOCUMENTS**

The tenderer shall attach to this page **original certified** copies of the directors / members trustee's identity documents of the tendering entity.

In the case of joint ventures, the required documents shall be submitted for each member of the joint venture.

Failure to submit the required documentation in the prescribed format will render the tenderer's offer non-responsive in terms of tender condition

T2.1 Q COPIES OF COMPANY REGISTRATION DOCUMENTS

The tenderer shall attach to this page copies of the registration documents of the tendering entity.

Any of the following documents for the tendering entity is sufficient:

- CK1: Founding Statement for a Close Corporation.
- CK2: Amended founding statement for a Close Corporation.
- CM1: Certificate of Incorporation for a company.
- CM2: Memorandum of Association for a company.
- CM9: Certificate of Change of name for a company.

Trust Deed and Letter of Authority to Act as Trustees certified by the High Court.

In the case of joint ventures, the required documents shall be submitted for each member of the joint venture.

Note:

The tenderer is to ensure that the documentation submitted meets the following criteria:

- The name of the active directors/members appears on the documents.
- The ID documents correspond with the names of active directors/members.

If the above criteria are not met the tenderers offer will be rendered non-responsive in terms of tender condition.

T2.1 R CURRICULUM VITAE OF THE SITE AGENT

Tenderer to supply curriculum Vitae of the Site Agent. These curricula vitae shall provide evidence of relevant experience of the Site Agent. The personnel included here shall be used on the project unless otherwise agreed to by the Engineer.

T2.1 R CURRICULUM VITAE OF THE SITE FOREMAN

Tenderer to supply curriculum Vitae of the Site Foreman. These curricula vitae shall provide evidence of relevant experience of the Site Foreman. The personnel included here shall be used on the project unless otherwise agreed to by the Engineer.

T2.1 R CURRICULUM VITAE OF THE SAFETY OFFICER

Tenderer to supply curriculum Vitae of the Safety Officer. These curricula vitae shall provide evidence of relevant experience of the Safety Officer. The personnel included here shall be used on the project unless otherwise agreed to by the Engineer.

T2.1 S SCHEDULE OF LOCAL LABOUR CONTENT

TENDERER'S PARTICIPATION IN JOB CREATION USING LOCAL LABOUR

The Contractor shall be required to participate in job creation (employment of local labour) by executing various portions of the Works using local labour (unskilled or semi-skilled), recruited from the local community, who are South African Citizens or foreigners in possession of a work visa issued by the Department of Home Affairs (only one such foreigner may be employed on any project). Proof of citizenship or work visa may be audited during the contract period.

The creation of one job shall mean the temporary employment, for any period of time, of one such unskilled or semi-skilled labourer from the local community.

The Tenderer shall note the requirements for Job Creation Reporting for EPWP as set out in the Requirements of the Expanded Public Works Programme (EPWP) of the project specifications.

The number of jobs to be created using such local labour is inclusive of the local labour employed to execute various portions of the Works by both the main Contractor and any subcontractors, including the small development subcontractors.

The number of jobs to be created using such local labour shall include for a minimum percentage allocation to the following individual targeted groups:

- 60% Women.
- 55% Youth; and
- 2% Disabled.

The minimum required content of such local labour for this project shall be calculated as follows:

Minimum required content of such local labour (%)

$$= \frac{(100 \times \text{amount spent on wages for such local labour (excluding VAT)})}{(\text{total value of the project (excluding VAT)})}$$

The minimum required content of such local labour for this project shall be ____%.

(Compiler to insert the target minimum percentage based on detailed calculations of the local labour component anticipated for each scheduled pay item, including the pay items contributing to the provisional sum associated with the construction Works carried out by Targeted Enterprise subcontractors appointed).

For purposes of completing the table on the next page containing the Tenderer's declaration with respect to participation in job creation using local labour, the total value of the project shall be the amount of the Tender Offer.

.1 TENDERER'S DECLARATION WITH RESPECT TO PARTICIPATION IN JOB CREATION USING LOCAL LABOUR:

.2

The Tenderer shall complete the table below reflecting the anticipated local labour force to be employed on this contract, including such local labour employed by subcontractors.

I/We hereby tender to participate in job creation through the employment of local labour by creating the following number of jobs using unskilled or semi-skilled labourers, recruited from the local community, who are South African Citizens or foreigners in possession of a work visa issued by the Department of Home Affairs (only one such foreigner may be employed on any project), including for a minimum allocation of 60% Women, 55% Youth and 2% Disabled:

Local labour comprising unskilled or semi-skilled labourers recruited from the local community	Anticipated number of jobs to be created	Total number of person-days anticipated	Wage rate per person-day (excluding VAT) (Rand)	Total wage cost (excluding VAT) (Rand)
Contractor's local labour content				
Subcontractors' local labour content				
Total anticipated wage cost of local labour content (excluding VAT)				R
Tender Offer (excluding VAT)				R
Hence anticipated local labour content expressed as a percentage of the Tender Offer (excluding VAT)				%
<i>Note: Should this percentage not equal or exceed the specified minimum percentage, the tender will be considered non-responsive in terms of subclause F.3.8 of the Conditions of Tender and such a tender shall be rejected.</i>				
Specified minimum local labour content <i>(Compiler to insert the specified minimum percentage)</i>				x %

A penalty shall be applied to any shortfall in the local labour content achieved, as set out in the Requirements of the Expanded Public Works Programme (EPWP) of the project specifications. The penalty shall not apply to shortfalls in the allocations to the individual target groups (i.e., Women/Youth/Disabled), only to shortfalls in the total local labour content achieved.

The undersigned, who warrants that he/she is duly authorized to do so on behalf of the Tenderer, confirms that he/she understands the conditions for such participation and confirms that the tender satisfies the conditions for participation in job creation through the employment of local labour.

Name:

Duly authorized to sign on behalf of:

SIGNATURE:

DATE:

(Of person authorised to sign on behalf of the Tenderer)

Failure to complete, sign and date this form shall result in the tender being considered non-responsive in terms of subclause F.3.8 of the Conditions of Tender and such a tender shall be rejected.

SIGNED ON BEHALF OF THE TENDERER:

T2.1 T EMPLOYMENT OF SMME'S

It is a requirement of this contract that participation in the contract must be granted to local SMME companies. Local is defined as "having their head office within the MIDVAAL LOCAL MUNICIPALITY boundaries, however preference will be given to local businesses within the vicinity of the project". **The minimum target for participation is thirty (30%) of the tender sum including VAT and this can be achieved through one or more sub-contractors. MLM reserves the right to apply penalties to the value of 300% of the difference between the set target values and the actual values achieved when the contractor does not honour the commitment as stipulated by the contractor on this page**

ONLY SMME subcontractors/suppliers should be employed to do the work listed in the table below.

Total percentage of the tender sum committed to SMME companies	%

Signed.....

Date.....

Name.....

Position.....

T2.1 U MUNICIPAL SERVICES, RATES AND TAXES CLEARANCE CERTIFICATE FOR SUPPLY CHAIN MANAGEMENT PURPOSE

The purpose of this form is to obtain prove that municipal services, rates and taxes of the service provider are **not more than three months in arrears** with the relevant municipality / landlord in the municipal area where the service provider conduct his / her business.

Where bidders are not owners of a property and cannot submit a copy of the municipal account, the following must be completed together with a lease agreement:

(TO BE COMPLETED BY THE LANDLORD)		
Name of the Landlord:		
Property Physical Address:		
Please tick below	Yes	No
Rental: in arrears for more than 3 months		
Municipal services: in arrears for more than 3 months		
Landlord Signature:		
Date: _____		
Landlord's business stamp here (where applicable)		

MUNICIPAL SERVICES, RATES AND TAXES CLEARANCE CERTIFICATE, OR LEASE AGREEMENT MUST BE ATTACHED BEHIND THIS PAGE.



TENDER NO: 8/2/2/411 (2024-2027)

**PROJECT NAME: BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF
BULK WATER SUPPLY PIPELINE IN MIDVAAL LOCAL MUNICIPALITY
ON AS AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD
UNTIL 30 JUNE 2027**

T2.2 OTHER DOCUMENTS REQUIRED FOR TENDER EVALUATION

- T2.2 A SCHEDULE OF PLANT AND EQUIPMENT**
- T2.2 B SCHEDULE OF THE TENDERER'S EXPERIENCE**
- T2.2 C DEVIATIONS OR QUALIFICATIONS BY THE TENDERER**
- T2.2 D PROJECT PROGRAMME AND METHOD STATEMENT**
- T2.2 E SCHEDULE OF ESTIMATED MONTHLY EXPENDITURE**
- T2.2 F RATES FOR SPECIAL MATERIALS**
- T2.2 G PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL
PROCUREMENT REGULATIONS 2011 (MBD6.1)**
- T2.2. H PERFORMANCE MANAGEMENT SYSTEMS**
- T2.2. I POPI ACT**
- T.2.2. J JOINT VENTURE DISCLOSER FORM**

T2.2 A SCHEDULE OF PLANT AND EQUIPMENT

The following are lists of major items of relevant equipment that I/we presently own or lease and is required for this contract or will acquire or hire for this contract if my/our tender is accepted.

(a) Details of major equipment that is owned by and immediately available for this contract.

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

(b) Details of major equipment that will be hired, or acquired for this contract if my/our tender is acceptable

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required

Signed..... Date.....

Name..... Position.....

Tenderer.....

T2.2 B SCHEDULE OF THE TENDERER'S EXPERIENCE

The following is a statement of similar work successfully executed by myself/ ourselves in the last ten years:

Employer, contact person and telephone number	Description of contract	Value of work Inclusive of VAT (Rand)	CIDB Classification	Date Completed

NB.: Completion certificates and appointment letters MUST be attached

Signed..... Date

Name..... Position.....

Tenderer.....

T2.2 C DEVIATIONS OR QUALIFICATIONS BY THE TENDERER

Note: Tenderers will be declared to be non-responsive should any proposed deviation or qualification, in the employer's opinion:

- a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
- b) change the employer's or the tenderer's risks and responsibilities under the contract, or
- c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.

PAGE	DESCRIPTION

SIGNED ON BEHALF OF TENDERER:

T2.2 D PROJECT PROGRAMME AND METHOD STATEMENT

Tenderer to supply project programme, using acceptable software, in sufficient detail to cover the various facets of the work.

SIGNED ON BEHALF OF TENDERER:

Note to Tenderer

If a tenderer wishes to submit an alternative tender then this form, appropriately completed, shall be attached to the bill of quantities for the alternative proposal.

T2.2 E SCHEDULE OF ESTIMATED MONTHLY EXPENDITURE

The tenderer shall state his estimated value of the work to be completed every month, based on his preliminary programme and his tendered unit rates, in the table below. The amounts for contingencies and contract price adjustment shall not be included.

MONTH	VALUE (INCLUDING VAT)
1	R
2	R
3	R
4	R
5	R
6	R
7	R
8	R
9	R
10	R
11 (FINAL)	R
(Compiler to add months if required)	
TOTAL: R.....	
(EXCLUDING CONTINGENCIES AND CONTRACT PRICE ADJUSTMENT (CPA))	

SIGNED ON BEHALF OF TENDERER:

T2.2 F RATES FOR SPECIAL MATERIALS

The rates and prices for the special materials shall be furnished by the contractor, which rates and prices shall exclude VAT but shall include all other obligatory taxes and levies.

The Compiler should state the Base Month.

SPECIAL MATERIALS	UNIT *	RATE OR PRICE FOR THE BASE MONTH

* Indicate whether the material will be delivered in bulk or in containers.

When called upon to do so, the contractor shall substantiate the above rates or prices with acceptable documentary evidence from the applicable refinery supplying the bitumen.

SIGNED ON BEHALF OF TENDERER:

T2.2G

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017 (PURCHASES) (MBD 6.1)

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 90/10 preference point system. OR
- b) The applicable preference point system for this tender is the 80/20 preference point system.
- c) Either the 90/10 or 80/20 preference point system will be applicable in this tender. The lowest/ highest acceptable tender will be used to determine the accurate system once tenders are received.

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**

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	
SPECIFIC GOALS	
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 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
$Ps = 80 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)$	or	$Ps = 90 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of bid under consideration

Pmin = Price of lowest 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:
- 4.2 If it is unclear whether the 80/20 or 90/10 preference point system applies, the following will apply:—
 - (a) an invitation for tender for income-generating contracts, either the 80/20 or 90/10 preference point system will apply and the highest acceptable tender will be used to determine the applicable preference point system; or
 - (b) any other invitation for tender, either the 80/20 or 90/10 preference point system will apply and 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 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)
Local Enterprise	N/A	5	N/A	
B-BBEE	N/A	10	N/A	
Woman Enterprise	N/A	5	N/A	

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

G.1. BIDDER'S ATTACHMENTS CHECKLIST

ADMINISTRATIVE COMPLIANCE:

DESCRIPTION			BIDDER'S CHECKLIST
1	Certified copy of the signed resolution by all directors authorising a director/ other official of the company to sign the documents on behalf of the company.		YES NO
2	Current Water and Lights / Rates and Taxes obtainable from the local or metropolitan municipality.		YES NO
3	In a case of a Joint Venture (JV)/ Consortium, the JV agreement.		YES NO
4	Valid B-BBEE certificate or Completed or signed Sworn Affidavit The municipality only considers B-BBEE certificates from SANAS accredited agencies as well as certificates and sworn affidavits from the DTI.		YES NO
SPECIFIC GOALS – POINTS CLAIM			
Goal	Weight		Bidder's Checklist
Local Enterprise (5 Points)	5 Points, if the business operates within the jurisdiction of Midvaal Local Municipality		YES NO
	3 Points, if the business operates outside Midvaal but within the Sedibeng District jurisdiction		
	1 Points, if the business operates outside the Sedibeng jurisdiction		
	0 points for non-submission		
B-BBEE Status (5 Points)	Status Contributor	Points	B-BBEE certificate: - issued by the DTIC (The Department of Trade and Industry and Competition) through CIPC; OR - from an accredited institution registered with SANAS; OR - a valid sworn affidavit, as issued by the DTIC YES NO
	1	5	
	2	4	
	3	3	
	4	2.5	
	5	2	
	6	1.5	
	7	1	
	8	0.5	
	Non-Compliant Contributor	0	

NAME

SIGNATURE

DATE

T.2.2.H

PERFORMANCE MANAGEMENT SYSTEM

The Municipal Finance Management Act (No. 56 of 2003) Section 116 (2) (d) determines that a Municipality must enter into a Performance Management System (PMS) with all service providers.

An assignment specific PMS has been drafted and needs to be signed by the appointed signatory as part of this tender document and the costing for this project will run during the 2024/2025, 2025/2026 and 2026/2027 financial budget year.

ACCEPTANCE OF PMS AGREEMENT

You are hereby requested to sign this document as acceptance of the agreement. Failure to sign this document will lead to disqualification.

CONTRACTOR

SIGNATURE

NAME

DESIGNATION

DATE

MIDVAAL LOCAL MUNICIPALITY

SIGNATURE

NAME

DESIGNATION

DATE

T2.2.H 1 PERFORMANCE MANAGEMENT SYSTEMS

PERFORMANCE MANAGEMENT SYSTEM EXTERNAL SERVICE PROVIDERS

(in terms of Section 116 of the Municipal Finance Management Act, Act 56 of 2003)

CONTRACT	BID to appoint a service provider for the construction of Bulk Water Supply line in Midvaal Local Municipality on an as and when basis from date of award till 30 June 2027	
COMPANY	Consultant Name	
TENDER NO	BID 8/2/2/411	DATE APPROVED
TERM OF CONTRACT		
RESPONSIBLE PERSON FOR ASSESSMENT & COMPLETION OF PERFORMANCE REPORT		

KEY PERFORMANCE AREA	KEY PERFORMANCE INDICATOR	RESPONSIBLE PERSON & TARGET DATE	COMPLIANCE & DATE	DEVIATIONS, IF ANY, PROVIDE REASONS	AGREED RECTIFICATION MEASURES TO COMPLY
A. OPERATIONAL KPI's (TO BE COMPLETED BY RELEVANT DEPARTMENT ACCORDING TO APPROVED TENDER SPECIFICATIONS)					
Project Initiation	1. Obtain Health & Safety file from the Contractor and have approved. 2. Confirm that the department of labour is informed about the project. 3. Approve the construction programme. 4. Confirm that construction guarantees and the necessary insurances are in place.	Consultant Within 14 days of contract award.			
Contract Administration	1. Provide monthly progress report. 2. Obtain monthly labour reports as required for both MIG and EPWP reporting and forward to MLM by 7th of the month. 3. Evaluate the contractor updated construction programme. 4. Check & process invoices within 7 days. 5. Arrange and chair site meetings at least monthly.	Consultant Within 14 days of contract award. Monthly.			

Construction	1. Monitor compliance with health and safety requirements. 2. Monitor compliance with quality requirements. 3. Monitor progress in accordance with approved construction programme. 4. Provide information and interpretation of designs as required. 5. Promptly attend to all contract completion activities.	Consultant Within 14 days of contract award. Monthly or as required.			
Contract Administration	6. Provide monthly progress report. 7. Obtain monthly labour reports as required for both MIG and EPWP reporting and forward to MLM by 7th of the month. 8. Evaluate the contractor updated construction programme. 9. Check & process invoices within 7 days. 10. Arrange and chair site meetings at least monthly.	Consultant Within 14 days of contract award. Monthly.			
Construction	6. Monitor compliance with health and safety requirements. 7. Monitor compliance with quality requirements. 8. Monitor progress in accordance with approved construction programme. 9. Provide information and interpretation of designs as required. 10. Promptly attend to all contract completion activities.	Consultant Within 14 days of contract award. Monthly or as required.			

3. Submission of Invoices	The Original Tax Invoices submitted for payment reflects the following information: 1. On letterhead 2. Business street/physical address 3. Business telephone and fax number 4. Quotation reference number 5. Company VAT Registration Number (if applicable) 6. Midvaal Local Municipality's VAT Registration Number: 4700193503 7. Tax Reference Number 8. Company Registration Number	Service Provider Monthly			
4. Indemnity Clause	Indemnification of Midvaal Local Municipality of any injuries or losses that may occur during the execution of work	Service Provider Annually			
5. Occupational Health & Safety Act	Compliance to Occupational Health & Safety Act at all times	Service Provider Ongoing			
6. Construction Industry Development Board (on CIDB bids)	Construction Guarantee submitted within the stipulated time-frame in the form of: 1. Valid bank guaranteed cheques; or 2. An official bank construction guarantee on letterhead from the bank or institution	Service Provider Annually			

Accepted and agreed upon:

ON BEHALF OF SERVICE PROVIDER

SIGNATURE: HOD

DATE

DATE

T2.2 I POPI ACT

CONSENT AND ACKNOWLEDGMENTS IN TERMS OF THE PROTECTION OF PERSONAL INFORMATION ACT 2013 (POPI)

This section sets out how personal information will be collected, used and protected by Midvaal Local Municipality hereinafter referred to as “MLM”, as required by the Protection of Personal Information Act. The use of the words “the individual” for the purposes of this document shall be a reference to any individual (bidder) communicating with MLM and/or concluding any agreement, registration or application, with the inclusion of each of those individuals referred to or included in terms of such agreement, registration or application.

1. What is personal information?

The personal information that MLM requires relate to names and surnames, birth dates, identity numbers, passport numbers, demographic information, education information, occupation information, health information, addresses, memberships, and personal and work email and contact details.

2.What is the purpose of the collection, use and disclosure (the processing) of personal information?

MLM is legally obligated to collect, use and disclose personal information for the purposes of:

- reporting MLM initiatives to the Gauteng Provincial Treasury and Sedibeng District Municipality.
- reporting to National Treasury all contracts awarded;
- obtaining information related to Tax Compliance information from SARS;
- Verifying information on the National Treasury database of defaulters;
- evaluating and processing applications for registration on the database;
- compiling statistics and other reports; • providing personalised communications;
- complying with the law; and/or
- for a purpose that is ancillary to the above. Personal information will not be processed for a purpose other than what is identified (the purpose) above without obtaining consent beforehand.

3.How will MLM process personal information?

MLM will only collect personal information for the purpose as stated above. Information will be collected in the following manner:

- directly from the individual;
- from service providers who provided with services or goods to MLM;
- from MLM’s own records relating to previous supply of services or goods; and/or
- from a relevant public or equivalent entity.

4.To whom will personal information be disclosed?

The personal information may be disclosed to other relevant public or other entities on whose behalf we act as intermediaries, other third parties referred to above in relation to the purpose or who are sources of personal information, service providers such as professional bodies who operate across the borders of this country (transborder flow of information) where personal

information must be sent in order to provide the information and/or services and/or benefits requested or applied for. In the event of another party/ies acquiring all of or a portion of MLM's mandate or functions, personal information will be disclosed to that party but they will equally be obliged as we are, to protect personal information in terms of this policy and the law.

5. Consent and Permission to process personal information:

I hereby agree with the policy and provide authorisation to MLM to process the personal information provided for the purpose stated.

- I understand that withholding of or failure to disclose personal information will result in MLM being unable to perform its functions and/or any services or benefits I may require from MLM.
- Where I shared personal information of individuals other than myself with MLM I hereby provide consent on their behalf to the collection, use and disclosure of their personal information in terms of this personal information policy and I warrant that I am authorised to give this consent on their behalf.
- To this end, I indemnify and hold MLM not responsible in respect of any claims by any other person on whose behalf I have consented, against MLM should they claim that I was not so authorised.
- I understand that in terms of POPI and other laws of the country, there are instances where my express consent is not necessary in order to permit the processing of personal information, which may be related to police investigations, litigation or when personal information is publicly available.
- I will not hold MLM responsible for any improper or unauthorised use of personal information that is beyond its reasonable control.

6. Rights regarding the processing of personal information:

· The individual may withdraw consent to the processing of personal information at any time, and should they wish to do so, must provide MLM with reasonable notice to this effect. Please note that withdrawal of consent is still subject to the terms and conditions of any contract that is in place. Should the withdrawal of consent result in the interference of legal obligations, then such withdrawal will only be effective if MLM agrees to same in writing. MLM specifically draws to the attention that the withdrawal of consent may result in it being unable to provide the requested information and/or services and/or financial or other benefits. · In order to withdraw consent, please contact the Information Officer at Johannesm@midvaal.gov.za ·

A copy of the full MLM policy is available at our offices, situated at Head Office, 25 Mitchell Street, Meyerton, 1961, South Africa.

· Individuals are encouraged to ensure that where personal information has changed in any respect to notify MLM so that our records may be updated. MLM will largely rely on the individual to ensure that personal information is correct and accurate.

· The individual has the right to access their personal information that MLM may have in its possession and are entitled to request the identity of which third parties have received and/or processed personal information for the purpose. Please note however, that any request in this regard may be declined if:

- the information comes under legal privilege in the course of litigation,
- the disclosure of personal information in the form that it is processed may result in the disclosure of confidential or proprietary information,
- giving access may cause a third party to refuse to provide similar information to MLM,

- the information was collected in furtherance of an investigation or legal dispute, instituted or being contemplated,
- the information as it is disclosed may result in the disclosure of another person's information,
- the information contains an opinion about another person and that person has not consented, and/or
- the disclosure is prohibited by law.

7. Requesting access and lodging of complaints:

- Please submit any requests for access to personal information in writing to MLM's information officer at Johannesm@midvaal.gov.za
- With any request for access to personal information, MLM will require the individual to provide personal information in order to verify identification and therefore the right to access the information.
- There may be a reasonable charge for providing copies of the information requested.
- If any request has not been addressed to satisfaction a complaint may be lodged at the office of the Information Regulator.

SIGNED BY/ON BEHALF OF TENDERER

Name		Signature	Date

T.2.2.J JOINT VENTURE DISCLOSURE FORM

GENERAL

- i) All the information requested must be filled in the spaces provided. If additional space is required, additional sheets may be used and attached to the original documents.
- ii) A copy of the joint venture agreement must be attached to this form, in order to demonstrate the Affirmable, Joint Venture Partner's share in the ownership, control, management responsibilities, risks and profits of the joint venture, the proposed joint venture agreement must include specific details relating to:
 - a. the contributions of capital and equipment
 - b. work items to be performed by the Affirmable Joint Venture Partner's own forces
 - c. work items to be performed under the supervision of the Affirmable Joint Venture Partner.
- iii) Copies of all written agreements between partners concerning the contract must be attached to this form including those, which relate to ownership options and to restrictions/limits regarding ownership and control.
- iv) ABE partners must complete ABE Declaration Affidavits.
- v) The joint venture must be formalised. All pages of the joint venture agreement must be signed by all the parties concerned. A letter/ notice of intention to formalise a joint venture once the contract has been awarded will not be considered.
- vi) Should any of the above not be complied with, the joint venture will be deemed null and void and will be considered non-responsive.

1. JOINT VENTURE PARTICULARS

- a) Name.....
- b) Postal address.....
.....
.....
- c) Physical address
.....
.....
- d) Telephone
- e) Fax

2. IDENTITY OF EACH NON-AFFIRMABLE JOINT VENTURE PARTNER

- 2.1(a)**..... Name of Firm
- Postal Address

Physical Address

Telephone

Fax

Contact person for matters pertaining to Joint Venture Participation Goal requirements:

.....

2.2(a).....Name of Firm

Postal Address

Physical Address

Telephone

Fax

Contact person for matters pertaining to Joint Venture Participation Goal requirements:

.....

(Continue as required for further non-Affirmable Joint Venture Partners)

3. IDENTITY OF EACH AFFIRMABLE JOINT VENTURE PARTNER

3.1(a).....Name of Firm

Postal Address

Physical Address

Telephone

Fax

Contact person for matters pertaining to Joint Venture Participation Goal requirements:

.....

3.2(a)..... Name of Firm

Postal Address

Physical Address

Telephone

Fax

Contact person for matters pertaining to Joint Venture Participation Goal requirements:

.....

3.3(a)..... Name of Firm

Postal Address

Physical Address

Telephone

Fax

Contact person for matters pertaining to Joint Venture Participation Goal requirements:

.....

4. **BRIEF DESCRIPTION OF THE ROLES OF THE AFFIRMABLE JOINT VENTURE PARTNERS IN THE JOINT VENTURE**

.....

.....

.....

5. **OWNERSHIP OF THE JOINT VENTURE**

a) Affirmable Joint Venture Partner ownership percentage(s) %

b) Non-Affirmable Joint Venture Partner ownership percentage(s) %

c) Affirmable Joint Venture Partner percentages in respect of : *

i) Profit and loss sharing.....

ii) Initial capital contribution in Rands

(*Brief descriptions and further particulars should be provided to clarify percentages).

iii) Anticipated on-going capital contributions in Rands

iv) Contributions of equipment (specify types, quality, and quantities of equipment) to be provided by each partner.

.....

.....

.....

6. **RECENT CONTRACTS EXECUTED BY PARTNERS IN THEIR OWN RIGHT AS PRIME CONTRACTORS OR AS PARTNERS IN OTHER JOINT VENTURES**

	NON-AFFIRMABLE JOINT VENTURE PARTNERS	PARTNER NAME
a)		
b)		
c)		
d)		
e)		

	AFFIRMABLE JOINT VENTURE PARTNERS	PARTNER NAME
a)		
b)		

c)		
d)		
e)		

7. **CONTROL AND PARTICIPATION IN THE JOINT VENTURE**

(Identify by name and firm those individuals who are, or will be, responsible for, and have authority to engage in the relevant management functions and policy and decision making, indicating any limitations in their authority e.g. co-signature requirements and Rand limits).

a) Joint Venture cheque signing

.....

.....

.....

b) Authority to enter into contracts on behalf of the Joint Venture

.....

.....

.....

c) Signing, co-signing and/or collateralising of loans

.....

.....

.....

d) Acquisition of lines of credit

.....

.....

.....

e) Acquisition of performance bonds

.....

.....

.....

f) Negotiating and signing labour agreements

.....

.....
.....

8. MANAGEMENT OF CONTRACT PERFORMANCE

(Fill in the name and firm of the responsible person).

- a) Supervision of field operations Major purchasing

.....

- b) Estimating

.....

- c) Technical management

.....

9. MANAGEMENT AND CONTROL OF JOINT VENTURE

- a) Identify the “managing partner”, if any,

.....

.....

.....

.....

- b) What authority does each partner have to commit or obligate the other to financial institutions, insurance companies, suppliers, subcontractors and/or other parties participating in the execution of the contemplated works?

.....

.....

.....

.....

- c) Describe the management structure for the Joint Venture’s work under the contract

MANAGEMENT FUNCTION / DESIGNATION	NAME	PARTNER*

(Fill in “ex Affirmable Joint Venture Partner” or “ex non-Affirmable Joint Venture Partner”

10. PERSONNEL

- a) State the approximate number of operative personnel (by trade/function/discipline) needed to perform the Joint Venture work under the Contract.

TRADE/FUNCTION/ DISCIPLINE	NUMBER EX AFFIRMABLE JOINT VENTURE PARTNERS	NUMBER EX NON- AFFIRMABLE JOINT VENTURE PARTNERS

(Fill in “ex Affirmable Joint Venture Partner” or “ex non-Affirmable Joint Venture Partner”).

- b) Number of operative personnel to be employed on the Contract who are currently in the employ of partners.

(i) Number currently employed by Affirmable Joint Venture Partners

.....

(ii) Number currently employed by the Joint Venture

.....

- c) Number of operative personnel who are not currently in the employ of the respective partner and will be engaged on the project by the Joint Venture

.....

- d) Name of individual(s) who will be responsible for hiring Joint Venture employees

.....

.....

- e) Name of partner who will be responsible for the preparation of Joint Venture payrolls

.....

.....

11. CONTROL AND STRUCTURE OF THE JOINT VENTURE

Briefly describe the manner in which the Joint Venture is structured and controlled.

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

The undersigned warrants that he/she is duly authorised to sign this Joint Venture Disclosure Form and affirms that the foregoing statements are true and correct and include all material information necessary to identify and explain the terms and operations of the Joint Venture and the intended participation of each partner in the undertaking.

The undersigned further covenants and agrees to provide the Employer with complete and accurate information regarding actual Joint Venture work and the payment therefore, and any proposed changes in any provisions of the Joint Venture agreement, and to permit the audit and examination of the books, records and files of the Joint Venture, or those of each partner relevant to the Joint Venture, by duly authorised representatives of the Employer.

Signature.....

Duly authorised to sign on behalf of

Name

Address.....

Telephone

Date

Signature.....

Duly authorised to sign on behalf of

Name

Address.....

Telephone

Date

Signature.....

Duly authorised to sign on behalf of

Name

Address.....

Telephone

Date

Signature.....

Duly authorised to sign on behalf of

Name

Address.....

Telephone

Date

(Continue as necessary)



TENDER NO: 8/2/2/411 (2024-2027)

**PROJECT NAME: BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF
BULK WATER SUPPLY PIPELINE IN MIDVAAL LOCAL MUNICIPALITY
ON AS AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD
UNTIL 30 JUNE 2027**

THE CONTRACT

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TENDER NO: 8/2/2/411 (2024-2027)

**PROJECT NAME: BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF
BULK WATER SUPPLY PIPELINE IN MIDVAAL LOCAL MUNICIPALITY
ON AS AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD
UNTIL 30 JUNE 2027**

C1: AGREEMENT AND CONTRACT DATA

PART C1 AGREEMENT AND CONTRACT DATA

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C1.1 FORM OF OFFER AND ACCEPTANCE

Offer

The employer, identified in the acceptance signature block, has solicited offers to enter into a contract in respect of the following works:

THE CONSTRUCTION OF BULK WATER PIPELINE SUPPLY FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD UNTIL 30 JUNE 2027

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 the 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 PRICE INCLUSIVE OF VALUE ADDED TAX IS (CONTRACT PRICE)

.....
.....

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 the conditions of contract identified in the contract data.

For the Tenderer:

Signature(s)

Name(s)

Capacity

Name and address of organization

.....
.....

Signature and Name of Witness:

Signature

Name

Date

Acceptance

By signing this part of this form of offer and acceptance, the employer identified below accepts the tenderer's offer. In consideration thereof, the employer shall pay the 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
- PART C4 Site information

and drawings and documents or parts thereof, which may be incorporated by reference into Parts C1 to C4 above.

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, which must be signed by the authorised representative(s) of both parties.

The tenderer shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the employer's agent (whose details are given in the contract data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data at, or just after, the date this agreement comes into effect. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one copy of the fully signed original document, including the schedule of deviations (if any). Unless the tenderer (now contractor) within five 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.

For the Employer

Signature

Name

Capacity

Name and address of organization

.....

.....

.....

Signature and Name of Witness

Signature

Name

Capacity

Schedule of Deviations

Notes:

1. The extent of deviations from the tender documents issued by the Employer prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender,
2. A Tenderer's covering letter shall not be included in the final contract document. Should any matter in such, letter, which constitutes a deviation as aforesaid become the subject of agreements reached during the process of, offer and acceptance, the outcome of such agreement shall be recorded here,
3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here,
4. Any change or addition to the tender documents arising from the above agreements and recorded here, shall also be incorporated into the final draft of the Contract,

1 Subject

Details

2 Subject

Details

By the duly authorised representatives signing this schedule of deviations, the employer and the tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the tender schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance.

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

For the Tenderer:

..... Signature
..... Name
..... Capacity

Name and address of organisation:

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

..... Witness Signature
..... Witness Name
..... Date

For the Employer

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

Name and address of organisation

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

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

Confirmation of Receipt

The Tenderer, (now Contractor), identified in the Offer part of this Agreement hereby confirms receipt from the Employer, identified in the Acceptance part of this Agreement, of one fully completed original copy of this Agreement, including the Schedule of Deviations (if any) today:

the (day)

of (month)

20..... (year)

at (place)

For the Contractor:

.....
Signature

.....
Name

.....
Capacity

Signature and name of witness:

.....
Signature

.....
Name

C1.1.1 Form Agreement in terms of the Mine Health and Safety Act, (Act No. 29 of 1996) as amended by the Mine Health and Safety Amendment Act (Act No. 72 of 1997) and the Mineral Resources and Petroleum Development Act (Act No. 28 of 2002)

THIS AGREEMENT made at on this the day of in the year

Between the **MIDVAAL LOCAL MUNICIPALITY** (hereinafter) called "the Employer" of the one part, herein represented by in his capacity as

and delegate of the Employer in terms of the Employer's standard powers of delegation pursuant to the provisions of

Act No. 7 of 1998 and in his capacity as the Contractor and

being duly authorised by virtue of a resolution appended hereto as **ANNEXURE A**.

WHEREAS the Employer is desirous that certain works be constructed, as stated above and has accepted a tender by the Contractor for the construction, completion and maintenance of such works and whereas the Employer and the Contractor have agreed to certain arrangements and procedures to be followed in order to ensure compliance by the Contractor with the provisions of the Mine Health and Safety Act (Act No.29 of 1996); as amended by the Mine Health and Safety Amendment Act (Act No. 27 of 1997), the Mineral Resources and Petroleum Development Act (Act No. 28 of 2002) and all the applicable Regulations of the said Acts.

NOW THEREFORE THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. The Contractor declares himself conversant with all the requirements, regulations and standards of the said Acts and Amendments of the Acts, as well as with the procedures and safety rules of the Employer as pertaining to the Contractor and all his Sub-contractors.
2. The Contractor accepts responsibility for compliance with all the requirements, regulations and standards of the Acts and Amendments of the Acts, as well as with the procedures and safety rules of the Employer as pertaining to the Contractor and all his Sub-contractors.
3. The Contractor, as the appointed Mine Manager of the Employer (Owner of the mine / borrow pit / quarry), shall undertake all the duties and accept all the responsibilities of the owner in compliance with the said Acts, Amendments and its Regulations.
4. The Contractor, as the appointed Mine Manager of the Owner, shall in turn appoint a Sub-Ordinate Mine Manager, a Responsible Mine Surveyor/Competent Person and a Competent Person in Charge of Machinery who shall undertake the duties as delegated to them in terms of their appointments.
5. The Contractor shall himself obtain the necessary authorisation for mining, quarrying, blasting and crushing for all the borrow pit sites.
6. The Contractor shall assume responsibility for the Environmental Management Programme (EMP) in respect of all the borrow pit sites and quarries (mines) and shall ensure that the sites are rehabilitated at the conclusion of the contract.
7. The Contractor shall comply with all the provisions and requirements as set out in the EMP and in the said Acts, Amendments and its Regulations.
8. This Agreements shall hold good from the date of signature until the date on which a Closure Certificate is issued by the Mining Authority (Department of Minerals and Energy).

In witness thereof, the parties have set their signature hereon in the presence of the subscribing witnesses:

SIGNED ON BEHALF OF THE EMPLOYER.....

AS WITNESS:

SIGNATURE:

NAME(PRINT):

SIGNED ON BEHALF OF THE CONTRACTOR

AS WITNESS:

SIGNATURE:

NAME(PRINT):

C1.1.2. Appointment in Terms of Section 3(1) of the Mine Health and Safety Act (Act No. 29 of 1996) as amended by the Mine Health and Safety Amendment Act (Act No. 72 of 1997)

I, in my capacity as,
having been appointed, in terms of **Section 4(1)** of the Act (as amended), by the
..... of the
....., who is the owner of the Mine(s) to be worked under the
requirements of the abovementioned Acts, hereby, in terms of **Section 3(1)** of the Act (as amended), appoint
in his capacity as
..... of the Contractor,
..... of address:
..... and
contact number: to perform all the functions entrusted to the Employer by
Sections 2 and 3 of the Act (as amended) for all the borrow pits on Contract No: ☹ project number and project description)

SIGNED:

DATE:

WITNESS: 1..... 2.

NAME(Print): 1..... 2.

I, , having been appointed in terms of Section 3(1) of the Act (as amended)
to perform all functions entrusted to the Employer by Sections 2 and 3 of the Act (as amended) hereby accept the above
appointment.

SIGNED:

DATE:

WITNESS: 1..... 2.

NAME(Print): 1..... 2.

C1.2 Agreement in Terms of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)

THIS AGREEMENT made at on this the day
of in the year between
MIDVAAL LOCAL MUNICIPALITY (hereinafter called "the Employer") on the one part, herein
represented by in his capacity as and
delegate of the Employer and
(hereinafter called "the Principal Contractor") of the other part, herein represented by
..... in his capacity as

WHEREAS the Employer is desirous that certain works be constructed, (insert project description) viz and has accepted a tender by the Principal Contractor for the construction, completion and maintenance of such works and whereas the Employer and the Principal Contractor have agreed to certain arrangements and procedures to be followed in order to ensure compliance by the Principal Contractor with the provisions of the Occupational Health and Safety Act 1993 (Act 85 of 1993 and the Construction Regulation, February 2014);

NOW THEREFORE THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. The Principal Contractor shall execute the work in accordance with the contract documents pertaining to this contract.
2. This Agreement shall hold good from its commencement date, which shall be the date of a written notice from the Employer or Employer's Agent requiring him to commence the execution of the Works, to either:
 - a) the date of the final certificate issued in terms of the relevant clauses of the General Conditions of Contract (hereinafter referred to as "the GCC"), as contained in the contract documents pertaining to this contract, or
 - b) the date of termination of the contract.
3. The Principal Contractor declares himself to be conversant with the following:-
 - a) All the requirements, regulations and standards of the Occupational Health and Safety Act (Act 85 of 1993), hereinafter referred to as "The Act", together with its amendments and with special reference to the following Sections of The Act.
 - i) Section 8: General duties of employers to their employees.
 - ii) Section 9: General duties of employers and self-employed persons to persons other than employees.
 - iii) Section 37: Acts or omissions by employees or mandatories and
 - iv) Sub-section 37(2) relating to the purpose and meaning of this Agreement.
 - v) Construction Regulations 2014, and other safety regulations, as applicable.
 - b) The procedures and safety rules of the Employer as pertaining to the Principal Contractor and to all his sub-contractors.

4. The Principal Contractor is responsible for the compliance with the Act by all his sub-contractors, whether or not selected and/or approved by the Employer.
5. The Principal Contractor warrants that all his and his sub-contractors' employees are covered in terms of the Compensation for Occupational Injuries and Diseases Act 1993 which cover shall remain in force whilst any such employees are present on site. A letter of good standing from the Compensation Commissioner to this effect must be produced to the Employer upon signature of the agreement.
6. The Principal Contractor undertakes to ensure that he and/or his sub-contractors and/or their respective employees will at all times comply with the following conditions:
 - a) The Principal Contractor shall assume the responsibility in terms of Section 16.1 of the Occupational Health and Safety Act. The Principal Contractor shall not delegate any duty in terms of Section 16.2 of this Act without the prior written approval of the Employer. If the Principal Contractor obtains such approval and delegates any duty in terms of section 16.2 a copy of such written delegation shall immediately be forwarded to the Employer.
 - b) All incidents referred to in the Occupational Health and Safety Act shall be reported by the Principal Contractor to the Department of Labour as well as to the Employer. The Employer will further be provided with copies of all written documentation relating to any incident.
 - c) The Employer hereby obtains an interest in the issue of any formal enquiry conducted in terms of section 32 of the Occupational Health and Safety Act into any incident involving the Principal Contractor and/or his employees and/or his sub-contractors.

In witness thereof the parties hereto have set their signatures hereon in the presence of the subscribing witnesses:

SIGNED FOR AND ON BEHALF OF THE EMPLOYER:.....

WITNESS:

1.	2.
NAME (Print)	NAME (Print)

SIGNED FOR AND ON BEHALF OF THE PRINCIPAL CONTRACTOR:

WITNESS:

1.	2.
NAME (Print)	NAME (Print)

C1.3 PERFORMANCE GUARANTEE

“Guarantor” means:

Physical address:

“Employer” means:

“Contractor” means:

“Engineer” means:

“Works” means:

“Site” means:

“Contract” means: The Agreement made in terms of the Form of Offer and Acceptance and such amendments or additions to the Contract as may be agreed in writing between the parties.

“Contract Sum” means: The accepted amount inclusive of tax of R

Amount in words:

“Guaranteed Sum” means: The maximum aggregate amount of R

Amount in words:

“Expiry Date” means:

CONTRACT DETAILS

Engineer issues: Interim Payment Certificates, Final Payment Certificate and the Certificate Completion of the Works as defined in the Contract.

PERFORMANCE GUARANTEE

1. The Guarantor’s liability shall be limited to the amount of the Guaranteed Sum.
2. The Guarantor’s period of liability shall be from and including the date of issue of this Performance Guarantee and up to and including the Expiry Date or the date of issue by the Engineer of the Certificate of Completion of the Works or the date of payment in full of the Guaranteed Sum, whichever occurs first. The Engineer and/or the Employer shall advise the Guarantor in writing of the date on which the Certificate of Completion of the Works has been issued.
3. The Guarantor hereby acknowledges that:
 - 3.1 any reference in this Performance Guarantee to the Contract is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a suretyship;
 - 3.2 its obligation under this Performance Guarantee is restricted to the payment of money.
4. Subject to the Guarantor’s maximum liability referred to in 1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 4.1 to 4.3:
 - 4.1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Engineer in an Interim or Final Payment Certificate has not been made in terms of the Contract and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 4.2;
 - 4.2 A first written demand issued by the Employer to the Guarantor at the Guarantor’s physical address with a copy to the Contractor stating that a period of seven (7) days has elapsed since the first written demand in terms of 4.1 and the sum certified has still not been paid;

- 4.3 A copy of the aforesaid payment certificate which entitles the Employer to receive payment in terms of the Contract of the sum certified in 4.
5. Subject to the Guarantor's maximum liability referred to in 1, the Guarantor undertakes to pay to the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand from the Employer to the Guarantor at the Guarantor's physical address calling up this Performance Guarantee, such demand stating that:
- 5.1 the Contract has been terminated due to the Contractor's default and that this Performance Guarantee is called up in terms of 5; or
- 5.2 a provisional or final sequestration or liquidation court order has been granted against the Contractor and that the Performance Guarantee is called up in terms of 5; and
- 5.3 the aforesaid written demand is accompanied by a copy of the notice of termination and/or the provisional/final sequestration and/or the provisional liquidation court order.
6. It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 4 and 5 shall not exceed the Guarantor's maximum liability in terms of 1.
7. Where the Guarantor has made payment in terms of 5, the Employer shall upon the date of issue of the Final Payment Certificate submit an expense account to the Guarantor showing how all monies received in terms of this Performance Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Performance Guarantee shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer until the date of refund.
8. Payment by the Guarantor in terms of 4 or 5 shall be made within seven (7) calendar days upon receipt of the first written demand to the Guarantor.
9. Payment by the Guarantor in terms of 5 will only be made against the return of the original Performance Guarantee by the Employer.
10. The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer may deem fit and the Guarantor shall not have the right to claim his release from this Performance Guarantee on account of any conduct alleged to be prejudicial to the Guarantor.
11. The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
12. This Performance Guarantee is neither negotiable nor transferable and shall expire in terms of 2, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired.
13. This Performance Guarantee, with the required demand notices in terms of 4 or 5, shall be regarded as a liquid document for the purposes of obtaining a court order.
14. Where this Performance Guarantee is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrate's Courts Act No 32 of 1944, as amended, to the jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act, notwithstanding that the amount of the claim may exceed the jurisdiction of the Magistrate's Court.

Signed at
Date
Guarantor's signatory (1)
Capacity.....
Guarantor's signatory (2)
Capacity
Witness signatory (1)
Witness signatory (2)

C1.4 CONTRACT DATA

C1.4.1 Contract Specific Data

The Conditions of Contract are the General Conditions of Contract for Construction Works (2015) published by the South African Institution of Civil Engineering. (GCC).

Section 1: Data provided by the Employer

Clause	
1.1.1.5	Clause 1.1.1.5 of the GCC is replaced by the following: The "Commencement date" shall be the date the site is handed over to the Contractor. Duplicate to C1.5.2
1.1.1.15	The employer is the MIDVAAL LOCAL MUNICIPALITY
1.1.1.15	The Midvaal Local Municipality Engineer is Aphane Consulting Engineers
1.1.1.16	The Engineer's Representative is Mr V. Rakosa
1.2.1	The employer's address for receipt of communication is: Midvaal Local Municipality 25 Mitchell Street, Meyerton MEYERTON 1960 Tel: (016) 3607400
1.2.1	The engineer's address for receipt of communication is: Telephone: (011) 907 6700 Facsimile: (011) 869 7434 e-mail: admin@aphane.co.za Address: No. 60 2 nd Avenue Alberton North, 1448
3.1.3	The engineer is required in terms of his appointment with the employer to obtain the following specific approvals from the employer:- 1. Approval of extension of time; 2. Approval of additional costs; 3. Approval of variation orders; 4. Approval from Midvaal Local Municipality for the utilization of any Contingencies Etc.....
4.3	The Health and Safety Plan shall be delivered and approved before the site hand-over/commencement date.
5.3.1.	The Works are to be commenced within fourteen (14) Days of the Commencement Date taken as Date of Site Hand-over.

Clause							
5.6	The Works programme is to be delivered within fourteen (14) days of the Commencement Date taken as Date of Site Hand-over						
5.8.1	The special non-working days are all designated public holidays (including all foreseeable statutory declared election days), Saturdays and Sundays.						
5.13.1	The penalty for delay is R 7,000.00 per working day or part thereof (<i>Guideline for compiler: R7000 for projects < R50m; R10000 for projects > R50m</i>). Penalties will be enforced as a deduction in money owed to the Contractor in terms of Penalty % of tendered rate per turnaround time allocated to complete various categories of work. Tenderer's / Contractor's should take note, the Municipality shall without prejudice to any other method of recovery deduct the amount of Such Penalty Stipulation from any monies in his hands due or which may become due to the Contractor. SCHEDULE INDICATING SERVICE LEVELS AND PENALTIES APPLICABLE FOR NON - FULFILMENT <table><tr><th>Task Description As Per Tender</th><th>Time allocated</th><th>Task completion time and Penalty % of tendered rate</th></tr><tr><td>CONSTRUCTION OF BULK WATER SUPPLY LINE</td><td>7 working days</td><td>8 – 10 days 5% 10 - 15 days 10% Over 15 days 20% >30 days Termination</td></tr></table>	Task Description As Per Tender	Time allocated	Task completion time and Penalty % of tendered rate	CONSTRUCTION OF BULK WATER SUPPLY LINE	7 working days	8 – 10 days 5% 10 - 15 days 10% Over 15 days 20% >30 days Termination
Task Description As Per Tender	Time allocated	Task completion time and Penalty % of tendered rate					
CONSTRUCTION OF BULK WATER SUPPLY LINE	7 working days	8 – 10 days 5% 10 - 15 days 10% Over 15 days 20% >30 days Termination					
5.14.5.2	The Defects Liability Period is twelve (12) calendar months after the date of the final certificate of completion.						
6.2.1.	The Guarantee is to contain the same wording as indicated in the document included as C1.3 under returnable documents. The Guarantee is to be delivered fourteen days (14) days after the Letter of Acceptance. In the event of failure to submit the guarantee within the stipulated 14 days, the Midvaal Local Municipality reserves the right to cancel the contract and award the Bid to the tenderer who scored the second highest points. The amount of the Guarantee is to be: No surety for projects between R0 and R 500 000 1% surety for projects between R500 000 and R1 million 2,5% surety for projects between R1 million and R2 million 5% surety for projects above R2 million not exceeding R5 million						

Clause	
	10% surety for projects above R5 million of the Contract Price.
6.5.1.2.3	Daywork allowances as tendered in the Bill of Quantities: Materials at cost plus a maximum of 15%.
6.8.2	The value of payment certificates is to be adjusted in accordance with the Contract Price Adjustment Schedule, where The value of “x” is 0,150 The values of the co-efficient are: Note : The Project is subjected to “CPA” $(1-x) \left[\frac{aLt}{Lo} + \frac{bPt}{Po} + \frac{cMt}{Mo} + \frac{dFt}{Fo} - 1 \right]$ Fixed : Estimate less than R10 000 000 or period less than 6 months CPA: Estimate more than R10 000 000 or a contract period of more than 6 months. a = 0,30 (labour) b = 0,30 (plant) c = 0,35 (material) d = 0,05 (fuel) “L” is the “Labour Index” and shall be the “Consumer Price Index” for the urban area nearest to the Site as specified by the Engineer in the Appendix to the Tender and as published in the Statistical News Release, P0141, Table 7.1 (previously P0141.1 Table 21) of Statistics South Africa. “P” is the “Plant Index” and shall be the “Civil Engineering Plant Index” as published in the Statistical News Release P0142.1, Table 12 (previously P0142.1 Table 16) of Statistics South Africa. “M” is the “Materials Index” and shall be the “Civil Engineering Materials Index” as published in the Statistical News Release P0142.1, Table 11 (previously P0142.1 Table 15) of Statistics South Africa. “F” is the “Fuel Index” and shall be the “Diesel at wholesale level – Coast/Witwatersrand Index” as published in the Statistical News Release P0142.1, Table 12 (previously P0142.1 Table 16) of Statistics South Africa. The suffix “o” denotes the basic indices applicable to the base month, which shall be the month prior to the month in which the closing date for the tender falls. The suffix “t” denotes the current indices applicable to the month in which the last day of the period falls to which the relevant payment certificate relates. If any index relevant to any particular certificate is not known at the time when the certificate is prepared, the Engineer shall estimate the value of such index. Any correction, which may be necessary when the correct indices become known, shall be made by the Engineer in subsequent payment certificates.

Clause	
	The urban area nearest the site is Meyerton The base month is June 2024 . <i>(the month prior to the month in which the closing date of the tender falls)</i>
6.8.3	The rates and prices for the special materials shall be furnished by the contractor, which rates and prices ex refinery with the base date specified under 6.8.2 and shall exclude VAT but shall include all other obligatory taxes and levies on the basis specified in the contract price adjustment schedule (paragraph 4(i) and 4(ii)).
6.10.1.5	The percentage limit on materials not yet built into the Permanent Works is 80%.
6.10.3	The percentage retention is 10% of the certified work done (including VAT).
6.10.3	The limit of retention money is 10% of the certified work done (including VAT).
6.10.3	A Retention Money Guarantee is compulsory. A penalty will be applied for non-delivery of the Retention Money Guarantee as required. The penalty will be 10% of the value of the completion Retention Money Amount per calendar month for late delivery of the said Retention Money Guarantee.
8.6.1.	The amount to be included in the sum insured to cover the value of:
8.6.1.1.2	a) Materials supplied by the employer for incorporation into the works is R0.00
8.6.1.1.3	b) Professional fees not included in the Contract Price is R0.00
8.6.1.2	The following additional and varied insurances are required: CAR & SASRIA.
8.6.1.3	The Limit of the liability insurance required should not be less than the contract amount
9.2.1.3.2	Clause 9.2.1.3.2 is replaced by the following “Has failed to submit documentation or to commence the Works in terms of Clause 5.3, or has suspended the progress of the Works for fourteen (14) consecutive days after receiving from the Engineer written notice to proceed,”
10.5.1/2	Disputes are to be referred to a standing adjudication board/ ad-hoc adjudication
10.5.3	The number of adjudication board members shall be 3.
10.7	Disputes are to be referred for final settlement to arbitration .

Section 2: Data provided by the Contractor

Clause	
1.1.1.9	The contractor is
1.2.1.2	The contractor's address for receipt of communication is: Telephone:Facsimile:..... e-mail:..... Address:.....
5.5.1	The Works shall be completed within months as proposed by the contractor.
6.5.1.2.3	The percentage allowances to cover all charges for the contractor's and subcontractor's profits, timekeeping, clerical work, insurance, establishment, superintendence and the use of hand tools is% (Maximum 15%).
6.8.3	The rate for special materials, exclusive of Value Added Tax is to be completed in Schedule T2.3 C.

C1.4.2 Variations to the General Conditions of Contract

The following amendments of the General Conditions of Contract 2015 apply to this contract. The headings in these Special Conditions of Contract shall not be deemed to be part thereof nor be taken into consideration in the interpretation or construction thereof or of the Contract.

4. CONTRACTOR'S GENERAL OBLIGATIONS

4.3 LEGAL PROVISIONS

Add the following sub-sub clauses:

4.3.1.1 Mine Health and Safety Act, number 29 of 1996

The Employer shall obtain the Mining Authorisation for all sites where mining activities, as defined in the Mine Health and Safety Act, number 29 of 1996 as amended, are to be conducted.

4.3.1.2 Mineral Resources Petroleum Development Act, number 28 of 2002

The Contractor shall assume responsibility for the Environmental Management Programme (EMPR) in respect of the sites and shall ensure that the sites are rehabilitated at the conclusion of the contract.”

4.4. SUBCONTRACTING

Add the following subclause:

4.4.8 Convert the subcontract

If the contract shall have been cancelled in terms of clause 9.2, the Employer shall have the right, by written notice given to any Selected Subcontractor not later than 28 days after the said cancellation, to convert the subcontract concerned to a direct contract between the Employer and the Subcontractor.

Provided that:

- (a) the terms of the said direct contract shall mutatis mutandis be those of the subcontract concerned, and
- (b) the Employer shall have the said right, notwithstanding any breach of the subcontract by the Contractor, subject to his forthwith paying to the Subcontractor all amounts then owing to the Subcontractor by the Contractor and perform any obligation which the Contractor has failed to perform.”

4.9 CONSTRUCTION EQUIPMENT

Add the following: sub clauses:

“4.9.2 Preclude seizure of construction equipment

In order to preclude seizure by the owner of any constructional plant being held by the Contractor on a hire or hire-purchase agreement for the purposes of the contract, the Employer shall be entitled to pay any such owner the amount of any outstanding instalment or other sum owing under any hire or hire-purchase agreement and in the event of his doing so, any amount thus paid by him shall be a debt payable to the Employer by the Contractor

and may be deducted by the Employer from any moneys owing or that may become owing to the Contractor in terms of the contract, or be recovered at law from the Contractor by the Employer.

4.9.3 Constructional plant brought to the site by the subcontractor

When entering into any subcontract agreement for the execution of any part of the works, the Contractor shall incorporate in such subcontract agreement, by reference or otherwise, the provisions of this clause in respect of construction equipment brought to the site by the subcontractor.”

5. TIME AND RELATED MATTERS

5.4 ACCESS TO THE SITE

Add the following subclause:

- 5.4.4** “If the site is insufficient for the needs and requirements of the work, the Contractor shall arrange with the owners or tenants for the additional land required and pay all rent and costs in connection therewith. The Contractor shall be responsible for all damage to such land and property, and he shall indemnify the Employer and hold him harmless in respect of all claims, demands proceedings, damages, costs, including attorneys and client costs, charges and expenses arising in respect thereof.”

6. PAYMENT AND RELATED MATTERS

6.6 PROVISIONAL SUMS AND PRIME COST SUMS

6.6.1.2.1 In the first line after the word "sums" insert “excluding VAT”

6.6.1.2.2 In the fourth line after the word "amount" insert “excluding VAT”

C1.5 CIDB Adjudicator’s Appointment

This document provides the basis by which the parties to contract may appoint an adjudicator

CIDB Adjudicator's Appointment

(For use with the GCC 2015 contract)

This agreement is made on the Day of Between:

..... (Name of company / organisation)

Of

..... (Address) and

..... (Name of company / organisation)

Of

..... (Address)

(The Parties) and (Name of adjudicator)

Of

..... (address)

(the Adjudicator).

Disputes or differences may arise/have arisen* between the Parties under a Contract dated

and known as

and these disputes or differences shall be/have been* referred to adjudication in accordance with the CIDB Adjudication Procedure, (hereinafter called "the Procedure") and the Adjudicator may be or has been requested to act.

*Delete as necessary

IT IS NOW AGREED as follows:

The rights and obligations of the Adjudicator and the Parties shall be as set out in the Procedure.

The Adjudicator hereby accepts the appointment and agrees to conduct the adjudication in accordance with the Procedure.

The Parties bind themselves jointly and severally to pay the Adjudicator's fees and expenses in accordance with the Procedure as set out in the Contract Data.

The Parties and the Adjudicator shall at all times maintain the confidentiality of the adjudication and shall endeavour to ensure that anyone acting on their behalf or through them will do likewise, save with the consent of the other Parties which consent shall not be unreasonably refused.

The Adjudicator shall inform the Parties if he intends to destroy the documents, which have been sent to him in relation to the adjudication, and he shall retain documents for a further period at the request of either Party.

SIGNED by: SIGNED by: SIGNED by:

Name: Name:..... Name:.....

who warrants that he / she is duly authorised to sign for and on behalf of the first Party in the presence of who warrants that he / she is duly authorised to sign for and behalf of the second Party in the presence of the Adjudicator in the presence of

Witness: Witness: Witness:.....

Name: Name:..... Name:.....

Address: Address: Address:

Date: Date: Date:.....

Contract Data

1	The Adjudicator shall be paid at the hourly rate as per ECSA guideline in respect of all time spent upon, or in connection with, the adjudication including time spent travelling.
2	The Adjudicator shall be reimbursed in respect of all disbursements properly made including, but not restricted to: (a) Printing, reproduction and purchase of documents, drawings, maps, records and photographs. (b) Telegrams, telex, faxes, and telephone calls. (c) Postage and similar delivery charges. (d) Travelling, hotel expenses and other similar disbursements. (e) Room charges. (f) Charges for legal or technical advice obtained in accordance with the Procedure.
3	The Adjudicator's fee shall be payable in equal amounts by each Party within 14 days of the appointment of the Adjudicator, subject to an Invoice being provided. This fee will be deducted from the final statement of any sums which shall become payable under item 1 and/or item 2 of the Contract Data. If the final statement is less than the appointment fee the balance shall be refunded to the Parties.
4	The Adjudicator is/is not* currently registered for VAT.
5	Where the Adjudicator is registered for VAT it shall be charged additionally in accordance with the rates current at the date of invoice.

*Delete as necessary.



TENDER NO: 8/2/2/411 (2024-2027)

**PROJECT NAME: BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF
BULK WATER SUPPLY PIPELINE IN MIDVAAL LOCAL MUNICIPALITY
ON AS AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD
UNTIL 30 JUNE 2027**

C2 PRICING DATA

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C2.1 PRICING INSTRUCTIONS

- 1 The General Conditions of Contract, the Contract Data, the Specifications (including the Project Specifications) and the Drawings shall be read in conjunction with the Bill of Quantities.
- 2 The Bill comprises items covering the Contractor's profit and costs of general liabilities and of the construction of Temporary and Permanent Works.

Although the Bidder is at liberty to insert a rate of his own choosing for each item in the Bill, he should note the fact that the Contractor is entitled, under various circumstances, to payment for additional work carried out and that the Engineer is obliged to base his assessment of the rates to be paid for such additional work on the rates the Contractor inserted in the Bill.

Clause 8 of each Standardized Specification, and the measurement and payment clause of each Particular Specification, read together with the relevant clauses of the Project Specifications, all set out which ancillary or associated activities are included in the rates for the specified operations.

- 3 Descriptions in the Bill of Quantities are abbreviated and may differ from those in the Standardized and Project Specifications. No consideration will be given to any claim by the Contractor submitted on such a basis. The Bill has been drawn up generally in accordance with the latest issue of Civil Engineering Quantities³. Should any requirement of the measurement and payment clause of the appropriate Standardized or Project Specification(s) be contrary to the terms of the Bill or, when relevant, to the Civil Engineering Quantities, the requirement of the appropriate Standardized, Project, or Particular Specification as the case may be, shall prevail.
- 4 Unless stated to the contrary, items are measured net in accordance with the Drawings without any allowance having been made for waste.
- 5 The amounts and rates to be inserted in the Bill of Quantities shall be the full inclusive amounts to the Employer for the work described under the several items. Such amounts shall cover all the costs and expenses that may be required in and for the construction of the work described, and shall cover the costs of all general risks, profits, taxes (but excluding value-added tax), liabilities and obligations set forth or implied in the documents on which the Bid is based.
- 6 The quantities set out in the schedule of quantities are only approximate quantities. The quantities of work finally accepted and certified for payment, and not the quantities given in the schedule of quantities, will be used to determine payments to the contractor.
- 7 An amount or rate shall be entered against each item in the Bill of Quantities, whether or not quantities are stated. An item against which no amount or rate is entered will be considered to be covered by the other amounts or rates in the Bill.

The Bidder shall also fill in a rate against the items where the words "rate only" appear in the amount column. Although no work is foreseen under these items and no quantities are consequently given in the quantity column, the bided rates shall apply should work under these items actually be required.

Should the Bidder group a number of items together and bid one sum for such group of items, the single bided sum shall apply to that group of items and not to each individual item, or should he indicate against any item that full compensation for such item has been included in another item, the rate for the item included in another item shall be deemed to be nil.

³ The standard system of measurement of civil engineering quantities published by the South African Institution of Civil Engineers.

The bided rates, prices and sums shall, subject only to the provisions of the Conditions of Contract, remain valid irrespective of any change in the quantities during the execution of the Contract.

- 8 The quantities of work as measured and accepted and certified for payment in accordance with the Conditions of Contract, and not the quantities stated in the Bill of Quantities, will be used to determine payments to the Contractor. The validity of the Contract shall in no way be affected by differences between the quantities in the Bill of Quantities and the quantities certified for payment.

Ordering of materials are not to be based on the Bill of Quantities, but only on information issued for construction purposes.

- 9 For the purposes of this Bill of Quantities, the following words shall have the meanings hereby assigned to them:

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

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

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

C2.2 BILL OF QUANTITIES

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DATE :	

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 1

SANS 1200 A - PRELIMINARY AND GENERAL

ITEM No.	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT R C
	SANS 1200 A	CONTRACTORS ESTABLISHMENT AND PRELIMINARY AND GENERAL				
		(b) For Project value R10 Million up to and including R40 Million				
	8,3	<u>Fixed-charge and value related item</u>				
		All facilities as scheduled in Clause 8.3.2.2 of SANS 1200A				
A1	8.3.1	Contractual requirements for the provision of all sureties, Insurance of the works and Plant, Third Party Liability Insurance, Unemployment Insurance and any other statutory requirements	Sum	1,00		
A2	8.3.1	Political riot insurance	Sum	1,00		
	8.3.2	Establishment of Facilities on Site (Only on the written instruction of the Engineer)				
	PSA 8.3.2.1	<u>Facilities for the Engineer</u>				
A3		(a) Furnished offices (1 No.)	Sum	1,00		
A4		(b) Telephone (1 Cellphone with Simcard)	Prov. Sum	1,00		
A5		(c) Percentage mark-up on (c) above	%			
A6		(d) Nameboards (2 No.)	Sum	1,00		
A7	PSA 8.3.2.1(a)	(e) PPE for Engineer and assistants	Sum	1,00		
	PSA 8.3.2.1(b)	(f) Survey instruments, etc.	Sum	1,00		
	8.3.2.2	<u>Facilities for the Contractor</u>				
		All facilities as scheduled in Clause 8.3.2.2 of SANS 1200A				
A8		(a) Offices and storage sheds	Sum	1,00		
A9		(b) Workshops	Sum	1,00		
A10		(c) Laboratories	Sum	1,00		
A11		(d) Living accommodation	Sum	1,00		
A12		(e) Ablution and toilet facilities	Sum	1,00		
A13		(f) Tools and equipment	Sum	1,00		
A14		(g) Water supplies, electric power and communications	Sum	1,00		
A15		(h) Dealing with water (see 5.8)	Sum	1,00		
A16		(i) Access (see 5.8)	Sum	1,00		
A17		(j) Plant	Sum	1,00		
A18	PSA 8.3.2.2(c)	(k) PPE for Contractors staff, suppliers, subcontractors and visitors	Sum	1,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 1

SABS 1200A - PRELIMINARY AND GENERAL

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
A19	PSA 8.3.3	Other fixed-charge obligations	Sum	1,00		
A20	8.3.4	Removal of Site Establishment (On Instruction by Engineer)	Sum	1,00		
A21	PSA 8.3.5	Provision of a Safety Plan in terms of OHS Act and Safety Regulations	Sum	1,00		
	8.4	<u>Scheduled Time-related items</u>				
A22	8.4.1	Contractual requirements	Month	1,00		
	8.4.2	Operation and maintenance of facilities for the duration of construction				
	PSA 8.4.2.1	Facilities for the Engineer				
A23		(a) Furnished offices (1 No.)	Month	1,00		
A24		(b) Telephone (R900 per month airtime for cellphone)	Month	1,00		
A25		(c) Nameboards (2 No.)	Month	1,00		
A26		(d) Survey instruments, etc.	Month	1,00		
A27	PSA	(e) PPE for Engineer and assistants	Month	1,00		
A28		(a) Offices and storage	Month	1,00		
A29		(b) Workshops	Month	1,00		
A30		(c) Laboratories	Month	1,00		
A31		(d) Living accommodation	Month	1,00		
A32		(e) Ablution and toilet	Month	1,00		
A33		(f) Tools and equipment	Month	1,00		
A34		(g) Water supplies, electric power and communications	Month	1,00		
A35		(h) Dealing with water (Sub-clause 5.8)	Month	1,00		
A36		(i) Access (Sub-clause 5.8)	Month	1,00		
A37		(j) Plant	Month	1,00		
A38	PSA 8.4.3	Supervision for duration of construction	Month	1,00		
A39	PSA 8.4.4	Company and head office overhead costs for the duration of the contract	Month	1,00		
A40	PSA 8.4.5	Other time-related obligations	Month	1,00		
A41	PSA 8.4.6	Compliance with approved Safety Plan and Occupational Health and Safety Act Construction Regulations	Month	1,00		
A42	PSA 8.4.7	Compliance with Record of Decision issued by GDARD	Month	1,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 1

SABS 1200A - PRELIMINARY AND GENERAL

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
	PSA 8.5	<u>SUMS STATED PROVISIONALLY BY ENGINEER</u>				
	PSA 8.5.1	Control Testing requested by the Engineer				
A43		(i) Provisional Sum		1,00	Sum	10 000,00
A44		(ii) Contractors mark-up on (A) 88 above	%	10 000,00		
A45		Pipe and Manufacturing Inspection		Provisional	Sum	10 000,00
A46		Contractors Mark-up on A90 above	%	10 000,00		
A47		Pipe Site Inspection		Provisional	Sum	10 000,00
A48		Contractors Mark-up on A92 above	%	10 000,00		
A50		Contractors Mark-up on A94 above				
A51	PSA 8.5.2	Hire of land for Contractors Camp Site				
A52		(i) Leasing land for campsite, plant etc.	Month	1,00		
A53	PSA 8.5.3	CLO's				
		Payment for CLO				
A54		(i) Remuneration of CLO (based on R3650/month incl. traveling allowance)	Month	1,00		
A55		(ii) Cell phone allowance (R150 airtime per month)	Month	1,00		
A56		(iii) Contractors mark-up on items (i) and (ii) above for Contractor's overheads, liaison, making payments and supplying office space and associated facilities within his establishment	%			
	PSA 8.5.4	Training				
A57		(i) Training allowance paid to targetted labour in terms of formal training		Provisional	Sum	10 000,00
A58		(ii) Contractors marp-up on 102 above	%	10 000,00		
	PSA 8.5.5	Security Guards				
A59		Provide Security guard (armed response) for duration of the construction works after hours, and on instruction by the Engineer	Month	1,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 1

SABS 1200A - PRELIMINARY AND GENERAL

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
A60		TEMPORARY WORKS Provide and maintain access roads and adjacent streets including reinstatement of roads on completion of Works (or accommodation of traffic) Existing services				
A61		Excavate by hand in soft material to expose existing services	m³	1,00		
A62		Temporarily protection of existing services		Provisional	Sum	10 000,00
A63		Contractor's mark-up on A62 above	%	10 000,00		
A64		Cast insitu class 20/19 concrete for encasing of existing services	m³	1,00		
A65		Welded steel reinforcing mesh (Ref 395)	m²	1,00		
A66		Relocation of existing services		Provisional	Sum	10 000,00
A67		Contractor's mark-up on A67 above	%	10 000,00		
A68		POLITICAL UNREST SITUATIONS Allow for all costs which might arise due to the interruption of works and/or standing time in times of political unrest on site (rate to allow for transport of equipment and material)				
A69	PSA 8.6	Dayworks Note: Executed on Instruction of the Engineer Only	Days	1,00		
A70	8.6.1	Labour				
A71		(i) Un-skilled	hr	1,00		
A72		(ii) Semi-skilled	hr	1,00		
A73		(iii) Skilled (artisan - welder plumber etc.)	hr	1,00		
A74		(iv) Engineer	hr	1,00		
A75		(v) Technician	hr	1,00		
A76		(vi) Foreman	hr	1,00		
A77		(vii) Driver (LDV, machine, trucks, etc.)	hr	1,00		
A78		(viii) Certified Blaster	hr	1,00		
A79		(ix) Steelfixer	hr	1,00		
A80		(x) Concretor	hr	1,00		
A81		(xi) Chargehand	hr	1,00		
A82		(xii) Security guard	hr	1,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 1

SABS 1200A - PRELIMINARY AND GENERAL

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
	8.6.2	Plant and equipment				
		(a) Tractor loader backhoe (TLB)				
A83		(i) Tractor Loader Backhoe (Bigger than 45kW but smaller than 70kW)	hr	1,00		
		(b) Crawler Excavators				
A84		(i) Smaller than 93kW (small)	hr	1,00		
A85		(ii) Bigger than 93kW but smaller than 200kW (Meduim)	hr	1,00		
A86		(iii) Bigger than 200kW but smaller than 400kW (Large)	hr	1,00		
		(c) Tipper Trucks				
A87		(i) Tipper trucks (3m³) Small	hr	1,00		
A88		(ii) Tipper trucks (5m³) Meduim	hr	1,00		
A89		(iii) Tipper trucks (10m³) Large	hr	1,00		
		(d) Flat Bed Trucks				
A90		(i) Flat bed 5t capacity	hr	1,00		
A91		(ii) Flat bed 7t capacity	hr	1,00		
		(e) LDV				
A92		(i) 1t Pick-up	hr	1,00		
A93		(f) Mobile Crane 5t at 3m radius	hr	1,00		
		(g) Walk behind vibrating rollers				
A94		(i) Model - Bomag 60 or similar (small)	hr	1,00		
A95		(ii) Model - Bomag 76 or similar (medium)	hr	1,00		
A96		(iii) Model - Bomag 90 or similar	hr	1,00		
		(h) Plate compactors				
A97		(i) Vipac or similar	hr	1,00		
		(i) Rammers				
A98		(i) Model - Wacker or similar	hr	1,00		
		(j) Concrete mixers				
A99		(i) Volume 100 litre wet (small, towable)	hr	1,00		
A100		(ii) Volume 175 litre wet (medium)	hr	1,00		
A101		(iii) Volume 250 litre wet (large)	hr	1,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 1

SABS 1200A - PRELIMINARY AND GENERAL

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
		(k) Diesel compressors including hoses and tools				
A102		(i) Capacity smaller than 200 cfm (small)	hr	1,00		
A103		(ii) Capacity bigger than 200 cfm smaller than 400 cfm (medium)	hr	1,00		
A104		(iii) Capacity bigger than 400 cfm (large)	hr	1,00		
		(l) Waterpump				
A105		(i) Capacity smaller than 400 litre/min (medium)	hr	1,00		
				1,00		
A106		(ii) Capacity bigger than 400 but smaller than 600 litre/min (medium)	hr	1,00		
A107		(iii) Capacity bigger than 600 but smaller then 1 100 litre/sec (large)	hr	1,00		
		(m) Low-bed				
A108		(i) Low-bed (suitable for the largest piece of equipment above)	hr	1,00		
A109		(n) Grader (Cat 140 G or similar)	hr	1,00		
A110		(o) Poker vibrator	hr	1,00		
		(p) Water tankers				
A111		(i) Capacity 500 litre (small, towable)	hr	1,00		
A112		(ii) Capacity 8 000 litre (medium)	hr	1,00		
A113		(iii) Capacity 15 000 litre (large)	hr	1,00		
A114		Material to be used during execution of day works		Provisional	Sum	10 000,00
A115		Percentage adjustment to materials and plant not included in Daywork Schedule to cover contractor's expenses with regard to these items	%	10 000,00		
CARRIED FORWARD TO SUMMARY						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 2

SABS 1200C - SITE CLEARANCE

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
C	SABS 1200C	SECTION C: SITE CLEARANCE				
	PSC 8.2.1	Clear and Grub				
C1		Areas for chambers, structures, etc	m ²	1,00		
C2		Pipeline route 3m wide	m	1,00		
	8.2.2	Remove and grub large trees and tree stumps with girth between:				
C3	8.2.2	(a) Over 0.1m and up to and indicating 1.0m (stumps)	No.	1,00		
C4	8.2.2	(b) Over 0.1m and up to and indicating 2.0m (stumps)	No.	1,00		
C5	8.2.2	(c) Over 0.1m and up to and indicating 3.0m (stumps)	No.	1,00		
	8.2.7	Dismantle and remove pipelines, electricity transmission cables, cables etc. return salvaged material to Municipal stores				
	8.2.7.1	Pipelines regardless of type:				
C6		(a) 50mm Ø up to and including 300mm	m	1,00		
C7		(b) 300mm Ø up to and including 500mm	m	1,00		
C8		(c) 500mm Ø up to and including 750mm	m	1,00		
C9		(d) 750mm Ø up to and including 1 000mm	m	1,00		
C10		(e) 1 000mm Ø up to and including 1500mm	m	1,00		
	8.2.7.2	Cables (incl sleeves) :				
C11		(a) 16mm Ø up to and including 30mm	m	1,00		
C12		(b) 30mm Ø and larger	m	1,00		
	8.2.7.3	Valves complete with all fittings, specials, couplings and fasteners				
C13		(i) Isolation valves	No.	1,00		
C14		(ii) Control Valves	No.	1,00		
C15		(iii) Scour Valves	No.	1,00		
C16		(iv) Air Valves	No.	1,00		
C17		(v) Fire hydrant valves	No.	1,00		
	PSC8.2.8	Demolish and remove structures/buildings and dismantle steelwork, including all necessary appurtenances:				
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 1

SABS 1200C - SITE CLEARANCE

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
C18	PSC8.2.8	(a) Hawker shed regardless of type and size	m ²	1,00		
C19	PSC8.2.8	(b) Brick structures regardless of type and size including floors & foundations	m ²	1,00		
	PSC8.2.8	(c) Brickwork Manholes Complete (depth 0-2m) with Longest inside dimension:				
C20		(i) 0m < Ø < 1.5m	No.	1,00		
C21		(ii) 1.5m < Ø < 2.5m	No.	1,00		
C22		(iii) > 2.5m	No.	1,00		
	PSC8.2.8	(d) Circular Precast Concrete Manholes (depth 0-2m)				
		Chamber Sections complete with step irons in sections 250 or 500 or 1000 lengths				
C23		(i) ND 750mm	No.	1,00		
C24		(ii) ND 1 000mm	No.	1,00		
C25		(iii) ND 1 250mm	No.	1,00		
C26		(iv) ND 1 500mm	No.	1,00		
		Reducer Slabs (Reduce to 750 Ø) (0 - 2m depth)				
C27		(i) ND 1 000mm	No.	1,00		
C28		(ii) ND 1 250mm	No.	1,00		
C29		(iii) ND 1 500mm	No.	1,00		
		Concrete Lid - remove:				
C30		(i) ND 560mm heavy duty	No.	1,00		
C31		Base regardless of type, size and thickness.(0 - 2m depth)	No.	1,00		
	PSC8.2.8	(e) Concrete slab: 0mm up to 350mm thick regardless of type, reinforcement or position				
C32		(i) 0m < Ø < 1.5m	No.	1,00		
C33		(ii) 1.5m < Ø < 2.5m	No.	1,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 2

SABS 1200C - SITE CLEARANCE

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
C34		(iii) 2.5m < Ø < 3.5m	No.	1,00		
C35	PSC8.2.8	(f) Break out manhole frame & lid regardless of type, size or arrangement	No.	1,00		
C36	PSC8.2.8	(g) Manhole step irons (0 - 2m depth)	No.	1,00		
	PSC8.2.8	(h) Cast Iron (C.I.) Lid - remove:				
C37		(i) Circular Road manholes (550mm Ø) with C.I. Lid	No.	1,00		
C38		(ii) Circular Road manholes (650mm Ø) with C.I. Lid	No.	1,00		
C39		(iii) Circular Road manholes > 650mm Ø, max. 1m	No.	1,00		
C40	PSC8.2.8	(i) Concrete benching regardless of thickness (0 - 2m depth)	m ²	1,00		
		Extra-over item PSC8.2.8(c,d,e,g,i) Manholes for deep excavations				
C41		(i) Depth 2m up to and including 3m	m ³	1,00		
C42		(ii) Depth 3m up to and including 4m	m ³	1,00		
C43		(iii) Depth 4m and deeper	m ³	1,00		
C44	PSC8.2.8	(j) Segmented paving (Stack neatly for reinstatement measured separately)	m ²	1,00		
C45	8.2.9	Transport materials and debris to an unspecified site and dump (All haulage = freehaul)	m ³	1,00		
C46	8.2.10	Remove topsoil to a nominal depth of 150mm and stockpile	m ³	1,00		
CARRIED FORWARD TO SUMMARY						

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SCHEDULE 3

SABS 1200D - EARTHWORKS

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
DA	SABS 1200D PSD	SECTION D: EARTHWORKS				
		Restricted excavation: Excavate for chambers, restricted foundations,etc in in all materials, and use for backfill or embankment, or dispose:				
D1		(i) Depth up to 2,0 m	m³	1,00		
D2		(ii) Depth over 2,0 m and up to 4,0 m	m³	1,00		
D3		Excavate for gabion boxes or mattresses in all materials, and use for backfill or embankment, or dispose	m³	1,00		
		Extra over items D1 and D3 above for:				
D4		(i) Intermediate excavation	m³	1,00		
D5		(ii) Hard rock excavation	m³	1,00		
D6		(iii) Boulder excavation, class A	m³	1,00		
D7		(iv) Boulder excavation, class B	m³	1,00		
D8		Extra over item D1 and D2 for hand excavation	m³	1,00		
D9	8.3.5	Extra excavation in all materials to provide working space around structure	m³	1,00		
	PSD 8.3.8	Existing services: Hand excavation for locating and exposing existing services:				
D10		(i) In roadways	m³	1,00		
D11		(ii) In all other areas	m³	1,00		
D12	PSD	Topsoiling	m³	1,00		
D13	8.3.11	Grassing or other vegetation cover:				
D13		Planting of grass cuttings	m²	1,00		
D14		Hydroseeding	m²	1,00		
D15	PSD 8.3.14	Extra over item D1 and D2 for temporary stockpiling	m³	1,00		
D16	PSD 8.3.15	Extra over item D1 and D2 for disposing of spoil material on a site provided by the Contractor	m³	1,00		
CARRIED FORWARD TO SUMMARY						

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SCHEDULE 4

SABS 1200 DA, DB, PSDA & PSDB - EARTHWORKS (PIPE TRENCH)

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
DB1	SANS 1200 DA, DB, PSDA, PSDB	SECTION 4 : EARTHWORKS (PIPE TRENCH)				
		Excavation				
	8.3.2(a)	Excavation in all materials for trenches 1,2m deep, backfill and compact, and dispose of surplus material for water mains				
DB2		800 mm wide	m	1,00		
DB3	8.3.2(a) PSLF 4	Excavate in all materials for trenches 1,1m deep, backfill, compact and dispose of surplus material for erf connections (gravel road crossings)	m	1,00		
DB4	8.3.2(b)	Excavate in all materials for trenches 0.5m deep, backfill, compact and dispose of surplus material for erf connections inside stands for communication pipes	m	1,00		
	PSDB 8.3.2(c)	Excavate in all materials, backfill and compact to 90% mod AASHTO density, and dispose of surplus and unsuitable materials at spoil site arranged by the contractor, Over 1m and up to 2m wide				
DB6		Pipes over and up to:				
DB7		(i) Over 0 m up to 2,0 m	m	1,00		
DB8		(ii) Over 2.0 m up to 3.0 m	m	1,00		
DB9		(iii) Over 3.0 m up to 4.0 m	m	1,00		
		(iii) Over 4.0 m up to 5.0 m	m	1,00		
	8.3.2(b)	Extra over item D01 for:				
DB10		Intermediate excavation (Provisional)	m³	1,00		
DB11		Hard rock excavation (Provisional)	m³	1,00		
DB12		Boulder excavation, Class A)	m³	1,00		
DB13		Boulder excavation, Class B	m³	1,00		
	8.3.3	Excavation Ancillaries				
	8.3.3.1	Make up deficiency in backfill material				
DB14	8.3.3.1(a)	From other necessary excavations	m³	1,00		
DB15	8.3.3.1(b)	By importation from designated borrow pit	m³	1,00		
DB16	8.3.3.1(c)	By importation from commercial or off-site sources selected by the Contractor	m³	1,00		
DB17	8.3.3.2	Opening up and closing down of designated borrow pit	Sum	1,00		
DB18	PSDB 8	Extra over item DB4 for cement stabilization of backfill under roads	m³	1,00		
DB19	PSDB 11	Remove and store block or brick paving	m²	1,00		
DB20	PSDB 12	Cutting of existing concrete paving	m	1,00		
DB21	PSDB 13	Breaking out of existing concrete paving and dispose	m²	1,00		
DB22	8.3.3.3	Compaction in road reserves	m³	1,00		
	8.3.4	Overhaul				
DB23	8.3.3 (a)	Loimited overhaul (provisional)	m³	1,00		
DB24	8.3.3 (b)	Long overhaul (provisional)	m³.km	1,00		
DB25	PSDA 3	Excavate by hand	m³	1,00		
	8.3.4	Particular items				
DB26		a) Shore trench opposite structure	m	1,00		
	8.3.5	EXISTING SERVICES				
DB27	8.3.5.1	Services that intersect a trench including exposing by hand excavation	No	1,00		
TOTAL CARRIED FORWARD						

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SCHEDULE 4

SABS 1200 DA, DB, PSDA & PSDB - EARTHWORKS (PIPE TRENCH)

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
DB28	8.3.5.2	Services that adjoin a trench	m	1,00		
	8.3.6	FINISHING				
	8.3.6.1	Reinstate road surfaces complete with all courses				
DB29		a) Gravel roads	m ²	1,00		
DB30		b) 25mm Asphalt	m ²	1,00		
DB31		c) Double seal	m ²	1,00		
DB32		d) Cement stabilization (2%) of backfill under roads	m ³	1,00		
	PSDA 3					
	8.3.4	Particular items				
DB33		a) Shore trench opposite structure	m	1,00		
		Temporary Works: Control water inflow in various pipelines:				
		(a) For new tie-in connections to existing pipelines and relocation of pipes (liase with authority and close valves):				
DB34		(i) 100 mm dia to 500mm dia uPVC pipe	Prov. Sum	1,00	10 000,00	10 000,00
DB35		(ii) 500 mm dia to 1000mm dia uPVC pipe	Prov. Sum	1,00	10 000,00	10 000,00
DB36		(iii) 1000 mm dia to 1500mm dia uPVC pipe	Prov. Sum	1,00	10 000,00	10 000,00
DB37		(iv) 1500 mm dia to 2000mm dia uPVC pipe	Prov. Sum	1,00	10 000,00	10 000,00
DB38		(v) 2000 mm dia to 3000mm dia uPVC pipe	Prov. Sum	1,00	10 000,00	10 000,00
DB39		(vi) Percentage markup on item (i) to (v) above for handling, transportation and installation	%	50 000		
	PSDB 14	Reinstate paving with stored paving				
DB40		a) Half clay brick	m ²	1,00		
DB41		b) Full clay brick	m ²	1,00		
DB42		c) Interlocking concrete block paving	m ²	1,00		
	PSDB 16	Reinstate concrete (Class 20 Mpa) paving up to 100mm thick				
DB43		a) Wood float finish	m ²	1,00		
DB44		b) Steel float finish	m ²	1,00		
DB45		c) Imprint finish (any pattern)	m ²	1,00		
DB46	PSDB 16	Extra over 3.13 for colouring concrete paving to original colour	m ²	1,00		
	PSDB 15	Extra over item 3.12 for supplying paving only where original paving blocks has broken				
DB47		a) Clay bricks	m ²	1,00		
		b) Interlocking concrete bricks				
DB48		(i) 60mm thick	m ³	1,00		
DB49		(ii) 80mm thick	m ³	1,00		
DB50	PSDB 17	Reinstate green grass to the required standard	m ²	1,00		
TOTAL CARRIED FORWARD						50 000,00

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SCHEDULE 4

SANS 1200 DA, DB, PSDA & PSDB - EARTHWORKS (PIPE TRENCH)

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						50 000,00
	SANS 1200	Provision of bedding material from trench excavation				
	LB					
DB50	8.2.1	a) Selected granular material	m³	1,00		
DB51		b) Selected fill material	m³	1,00		
		Provision of bedding material from commercial sources				
DB52		a) Selected granular material	m³	1,00		
DB53		b) Selected fill material	m³	1,00		
DB54		c) Crushed stone	m³	1,00		
CARRIED FORWARD TO SUMMARY						50 000,00

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SCHEDULE 5

SANS 1200 DK - GABIONS AND PITCHING

ITEM NO.	REFERENCE	DESCRIPTION	UNIT	QUANT	RATE R C	AMOUNT R C
DK	SABS 1200DK	GABIONS				
DK 1	8.2.1(a)	Surface preparation for bedding of gabions and mattresses	m ²	1,00		
DK 2	8.2.2	Supply and install 2m long x 1m wide x 1m height, with 80 x 100 Mesh type and 3,0mm ø wire, galvanised to SANS 675 Class A, Gabions, filled with stone as per SABS 1200DK	m ³	1,00		
DK 3	8.2.2	Supply and install 2m long x 1m wide x 0,3m height, with 80 x 100 mesh type and 2,5mm dia. Wire, galvanised to SANS 675 Class A, Reno Mattresses filled with stone as per SABS 1200DK	m ³			
DK 4	8.2.4	Geotextile Supply and installation of U24 geotextile between the face contact of gabions or mattresses and fill material	m ²	1,00		
		Pitching				
		Grouted Pitching for:	m2			
		Stormwater V-Drain	m2	1,00		
CARRIED FORWARD TO SUMMARY						

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SCHEDULE 6

SANS 1200 GA - CONCRETE (Small Works)

ITEM NO.	REFERENCE	DESCRIPTION	UNIT	QUANT	RATE R C	AMOUNT R C
GA	SABS 1200GA	CONCRETE : SMALL WORKS				
	8.1.4.1	Pipeline Pipe Encasement				
GA 1		25MPa concrete bedding and encasing to all diameter of pipes, including shuttering and blinding. Excavation, stramps and reinforcing elsewhere	m³	1,00		
GA 2		20MPa concrete bedding and encasing to all diameter of pipes, including shuttering and blinding. Excavation, stramps and reinforcing elsewhere	m³	1,00		
GA 3	8.4.3	Mass Concrete 15MPa concrete to thrust blocks and the like, including shuttering. Excavation measured elsewhere.	m³	1,00		
CARRIED FORWARD TO SUMMARY						

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SCHEDULE 7

SANS 1200G - REINFORCED CONCRETE

ITEM NO.	REFERENCE	DESCRIPTION	UNIT	QUANT	RATE R C	AMOUNT R C
G	SABS 1200G 8,2	REINFORCED CONCRETE				
		<u>FORM WORK</u>				
G1	8,1	<u>Rough Formwork</u> To sides of wall foundations not exceeding 400mm high	m²	1,00		
	8.2.2	<u>Smooth Formwork</u>				
G2		To soffit of roof slab	m²	1,00		
G3		External faces of walls	m²	1,00		
G4		Internal faces of walls	m²	1,00		
G5		External faces of roof slab	m²	1,00		
G6	8.2.5	<u>Narrow widths up to 300mm wide in:</u> Sides of access manholes	m²	1,00		
	8.2.4	Box out openings in walls and allow for casting in once positioning is complete.				
		For pipes:				
G7		700mm dia steel pipe	No	1,00		
G8		600mm dia steel pipe	No	1,00		
G9		500mm dia steel pipe	No	1,00		
G10		450mm dia steel pipe	No	1,00		
G11		400mm dia steel pipe	No	1,00		
G12		350mm dia steel pipe	No	1,00		
G13		300mm dia steel pipe	No	1,00		
G14		250mm dia steel pipe	No	1,00		
G15		200mm dia steel pipe	No	1,00		
G16		150mm dia steel pipe	No	1,00		
G17		100mm dia steel pipe	No	1,00		
	8,3	<u>REINFORCEMENT</u>				
	8.3.1	<u>Mild Steel Bars</u>				
G18		a) 10mm	t	1,00		
		<u>High - tensile steel bars</u>				
G19		10mm	t	1,00		
G20		12mm	t	1,00		
G21		16mm	t	1,00		
G22		20mm	t	1,00		
	8,4	<u>CONCRETE</u>				
G22	8.4.2	Blinding layer in 15Mpa concrete up to a thickness of 75mm	m²	1,00		
G23	8.4.3	Strength concrete : 25 Mpa/19mm to:				
G24		Floor slabs	m³	1,00		
G25		Walls	m³	1,00		
G26		Roof Slabs	m³	1,00		
TOTAL CARRIED FORWARD						

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SCHEDULE 7

SANS 1200G - REINFORCED CONCRETE

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
		<u>Strength Concrete : 30MPa/19mm to:</u>				
		Floors slabs	m³	1,00		
		Walls	m³	1,00		
		Roof slabs	m³	1,00		
G27		<u>Manhole Cover and Frame</u>				
		Supply and cast in concrete roof slab, manhole cover and frame complete with locking device as per attached drawings AC 345/19/SD12	No	1,00		
G28		<u>Ventilators on roof slabs</u>				
		Supply and cast in concrete roof slab inlet and outlet ventilator as indicated as per attached drawings AC345/19/SD01	No	1,00		
G29		<u>Access Ladders</u>				
		Supply and install submerged GMS to Class A ladder or similar fixed to chamber walls as per attached drawings AC345/19/SD16				
		Ladder Type 1	No	1,00		
		Ladder Type 2	No	1,00		
CARRIED FORWARD TO SUMMARY						

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SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
L	SABS 1200L	SECTION L: MEDIUM - PRESSURE PIPELINES				
	8.2.1	Supply, lay and bed pipes complete with couplings and fittings				
	8.2.1.a	PVC-U spigot and socket pipe with integral socket and locked-in rubber ring seal				
		Class 12 with nominal size of:				
L1		(i) 110mm	m	1,00		
L2		(ii) 125mm	m	1,00		
L3		(iii) 140mm	m	1,00		
L4		(iv) 160mm	m	1,00		
L5		(v) 200mm	m	1,00		
L6		(vi) 250mm	m	1,00		
L7		(vii) 315mm	m	1,00		
L8		(viii) 355mm	m	1,00		
L9		(ix) 400mm	m	1,00		
L10		(x) 450mm	m	1,00		
L11		(xi) 500mm	m	1,00		
L12		Class 16 with nominal size of:				
L13		(i) 110mm	m	1,00		
L14		(ii) 125mm	m	1,00		
L15		(iii) 140mm	m	1,00		
L16		(iv) 160mm	m	1,00		
L17		(v) 200mm	m	1,00		
L18		(vi) 250mm	m	1,00		
L19		(vii) 315mm	m	1,00		
L20		(viii) 355mm	m	1,00		
TOTAL CARRIED FORWARD						

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SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L21	8.2.1.b	(ix) 400mm	m	1,00		
L22		(x) 450mm	m	1,00		
L23		(xi) 500mm	m	1,00		
		Class 12.50 HDPE Pipe PE 100 to be Butt-Welded with Nominal Size:				
L24		(i) 160mm	m	1,00		
L25		(ii) 180mm	m	1,00		
L26		(iii) 200mm	m	1,00		
L26		(iv) 225mm	m	1,00		
L27		(v) 250mm	m	1,00		
L28		(vi) 280mm	m	1,00		
L29		(vii) 315mm	m	1,00		
L30		(viii) 355mm	m	1,00		
L31		(ix) 400mm	m	1,00		
L32		(x) 450mm	m	1,00		
L33		(xi) 500mm	m	1,00		
L34		(xii) 500mm	m	1,00		
L35		(xiii) 500mm	m	1,00		
L36		(xiii) 700mm	m	1,00		
		Class 16 HDPE Pipe PE 100 to be Butt-Welded with Nominal Size:				
L36		(i) 160mm	m	1,00		
L37		(ii) 180mm	m	1,00		
L38		(iii) 200mm	m	1,00		
L39		(iv) 225mm	m	1,00		
L40		(v) 250mm	m	1,00		
L41		(vi) 280mm	m	1,00		
L42		(vii) 315mm	m	1,00		
TOTAL CARRIED FORWARD						

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SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L43	8.2.4.a	(viii) 355mm	m	1,00		
L44		(ix) 400mm	m	1,00		
L45		(x) 450mm	m	1,00		
L46		(xi) 500mm	m	1,00		
L47		(xii) 500mm	m	1,00		
L48		(xiii) 500mm	m	1,00		
L49		(xiii) 700mm	m	1,00		
		Steel Flanges complete to SABS 1123:1977 with all fasteners, gaskets and appurtenances. (Painted as above for corrosion protection). (1600/3)				
L50		DN100	No.	1,00		
L51		DN 125mm	No.	1,00		
L52		DN 150mm	No.	1,00		
L53		DN 200mm	No.	1,00		
L54		DN 250mm	No.	1,00		
L55		DN 300mm	No.	1,00		
L56		DN 350mm	No.	1,00		
L57		DN 400mm	No.	1,00		
L58		DN 450mm	No.	1,00		
L59		DN 500mm	No.	1,00		
L60		DN 600mm	No.	1,00		
L61		DN 700mm	No.	1,00		
L62		DN 100mm Blank flange	No.	1,00		
L63		DN 125mm Blank flange	No.	1,00		
L64		DN 150mm Blank flange	No.	1,00		
L65		DN 200mm Blank flange	No.	1,00		
L66		DN 250mm Blank flange	No.	1,00		
L67		DN 300mm Blank flange	No.	1,00		
L68		DN 350mm Blank flange	No.	1,00		
L69		DN 400mm Blank flange	No.	1,00		
L70		DN 450mm Blank flange	No.	1,00		
TOTAL CARRIED FORWARD						

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SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L71		DN 500mm Blank flange	No.	1,00		
L72		DN 600mm Blank flange	No.	1,00		
L73		DN 700mm Blank flange	No.	1,00		
		Extra-over item 8.2.4a for other types and sizes of flanges				
L74		(i) Provisional sum		Provisional	10 000,00	10 000,00
L75		(ii) Percentage markup on item (i) above for handling, transportation and installation	%	10 000,00		
	8.2.4b	Viking Johnson Type ('MaxiFit') Flange Adaptors: PN16 to SANS 1123 (1600/3) to fit pipe, step pipe and adapt to different types of material (VJ 'MaxiFit') or similar approved				
L76		DN100	No.	1,00		
L77		DN 125mm	No.	1,00		
L78		DN 150mm	No.	1,00		
L79		DN 200mm	No.	1,00		
L80		DN 250mm	No.	1,00		
L81		DN 300mm	No.	1,00		
L82		DN 350mm	No.	1,00		
L83		DN 400mm	No.	1,00		
L84		DN 450mm	No.	1,00		
L85		DN 500mm	No.	1,00		
L86		DN 600mm	No.	1,00		
L87		DN 700mm	No.	1,00		
L88		DN 100mm Restrained	No.	1,00		
L89		DN 125mm Restrained	No.	1,00		
L90		DN 150mm Restrained	No.	1,00		
L91		DN 200mm Restrained	No.	1,00		
L92		DN 250mm Restrained	No.	1,00		
TOTAL CARRIED FORWARD						10 000,00

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SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						10 000,00
L93		DN 300mm Restrained	No.	1,00		
L94		DN 350mm Restrained	No.	1,00		
L95		DN 400mm Restrained	No.	1,00		
L96		DN 450mm Restrained	No.	1,00		
L97		DN 500mm Restrained	No.	1,00		
L98		DN 600mm Restrained	No.	1,00		
L99		DN 700mm Restrained	No.	1,00		
		Extra-over item 8.2.4b for other types and sizes of flange adaptors				
L100		(i) Provisional sum		Provisional	Sum	10 000,00
L101		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
	8.2.4c	Hydrant Tee: C.I. Flanged to SANS 1123 (1600/3), complete with all fasteners, gaskets & appurtenances				
L102		ND 110mm	No.	1,00		
L103		ND 160mm	No.	1,00		
L104		ND 200mm	No.	1,00		
L105		ND 250mm	No.	1,00		
L106		ND 315mm	No.	1,00		
L107		ND 355mm	No.	1,00		
L108		ND 400mm	No.	1,00		
L109		ND 450mm	No.	1,00		
L110		ND 500mm	No.	1,00		
		Extra-over item 8.2.4c for other types and sizes of hydrant tees				
L111		(i) Provisional sum		Provisional	Sum	10 000,00
L112		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
	8.2.4d	Scour Tee: C.I. Flanged to SABS 1123 (1600/3), complete with all fasteners, gaskets & appurtenances				
L113		ND 110mm	No.	1,00		
L114		ND 160mm	No.	1,00		
L115		ND 200mm	No.	1,00		
L116		ND 250mm	No.	1,00		
L117		ND 315mm	No.	1,00		
L118		ND 355mm	No.	1,00		
L119		ND 400mm	No.	1,00		
L120		ND 450mm	No.	1,00		
L121		ND 500mm	No.	1,00		
L122		ND 450mm	No.	1,00		
L123		ND 500mm	No.	1,00		
L124		ND 600mm	No.	1,00		
L125		ND 700mm	No.	1,00		
		Extra-over item 8.2.4d for other types and sizes of scour tees				
L126		(i) Provisional sum		Provisional	Sum	10 000,00
L127		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
	8.2.4e	Equal Tee: C.I. Flanged to SABS 1123 (1600/3) complete with all fasteners, gaskets & appurtenances				
L128		ND 110mm	No.	1,00		
L129		ND 125mm	No.	1,00		
L130		ND 140mm	No.	1,00		
L131		ND 160mm	No.	1,00		
L132		ND 200mm	No.	1,00		
L133		ND 250mm	No.	1,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L134		ND 315mm	No.	1,00		
L135		ND 355mm	No.	1,00		
L136		ND 400mm	No.	1,00		
		Equal Tee: Spigot and socket complete with all appurtenances				
L137		ND 110mm	No.	1,00		
L138		ND 125mm	No.	1,00		
L139		ND 140mm	No.	1,00		
L140		ND 160mm	No.	1,00		
L141		ND 200mm	No.	1,00		
L142		ND 250mm	No.	1,00		
L143		ND 315mm	No.	1,00		
L144		ND 355mm	No.	1,00		
L145		ND 400mm	No.	1,00		
L146		ND 450mm	No.	1,00		
		Extra-over item 8.2.4e for other types and sizes of equal tees				
L147		(i) Provisional sum		Provisional	Sum	10 000,00
L148		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
	8.2.4f	Reducing Tee: C.I Spigot and socket (PN16) complete with all appurtenances with ND:				
L149		125mm x 110mm	No.	1,00		
L150		140mm x 110mm	No.	1,00		
L151		140mm x 125mm	No.	1,00		
L152		160mm x 110mm	No.	1,00		
L153		160mm x 125mm	No.	1,00		
L154		160mm x 140mm	No.	1,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L155		200mm x 110mm	No.	1,00		
L156		200mm x 125mm	No.	1,00		
L157		200mm x 140mm	No.	1,00		
L158		200mm x 160mm	No.	1,00		
L159		250mm x 110mm	No.	1,00		
L160		250mm x 125mm	No.	1,00		
L161		250mm x 140mm	No.	1,00		
L162		250mm x 160mm	No.	1,00		
L163		250mm x 200mm	No.	1,00		
		Reducing Tee: C.I. Flanged to SANS 1123 (1600/3) complete with all fasteners, gaskets & appurtenances with ND:				
L164		125mm x 110mm	No.	1,00		
L165		140mm x 110mm	No.	1,00		
L166		140mm x 125mm	No.	1,00		
L167		160mm x 110mm	No.	1,00		
L168		160mm x 125mm	No.	1,00		
L169		160mm x 140mm	No.	1,00		
L170		200mm x 110mm	No.	1,00		
L171		200mm x 125mm	No.	1,00		
L172		200mm x 140mm	No.	1,00		
L173		200mm x 160mm	No.	1,00		
L174		250mm x 110mm	No.	1,00		
L175		250mm x 125mm	No.	1,00		
L176		250mm x 140mm	No.	1,00		
L177		250mm x 160mm	No.	1,00		
L178		250mm x 200mm	No.	1,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L179		Extra-over item 8.2.4f for other types and sizes of reducing tees				
		(i) Provisional sum		Provisional	Sum	10 000,00
L180		(ii) Percentage markup on item (i) above for handling, transportation and installation	%	10 000,00		
	8.2.4g	Reducers: C.I.Spiqot and socket (PN16) complete with all appurtenances with ND:				
L181		125mm x 110mm	No.	1,00		
L182		140mm x 110mm	No.	1,00		
L183		140mm x 125mm	No.	1,00		
L184		160mm x 110mm	No.	1,00		
L185		160mm x 125mm	No.	1,00		
L186		160mm x 140mm	No.	1,00		
L187		200mm x 110mm	No.	1,00		
L188		200mm x 125mm	No.	1,00		
L189		200mm x 140mm	No.	1,00		
L190		200mm x 160mm	No.	1,00		
L191		250mm x 110mm	No.	1,00		
L192		250mm x 125mm	No.	1,00		
L193		250mm x 140mm	No.	1,00		
L194		250mm x 160mm	No.	1,00		
L195		250mm x 200mm	No.	1,00		
L196		315mm x 250mm	No.	1,00		
L197		Reducers: C.I. Flanged to SANS 1123 (1600/3) complete with all fasteners, gaskets & appurtenances with ND:				
L198		125mm x 110mm	No.	1,00		
L199		140mm x 110mm	No.	1,00		
L200		140mm x 125mm	No.	1,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L205		160mm x 110mm	No.	1,00		
L206		160mm x 125mm	No.	1,00		
L207		160mm x 140mm	No.	1,00		
L208		200mm x 110mm	No.	1,00		
L209		200mm x 125mm	No.	1,00		
L210		200mm x 140mm	No.	1,00		
L211		200mm x 160mm	No.	1,00		
L212		250mm x 110mm	No.	1,00		
L213		250mm x 125mm	No.	1,00		
L214		250mm x 140mm	No.	1,00		
L215		250mm x 160mm	No.	1,00		
L216		250mm x 200mm	No.	1,00		
L217		700mm x 600mm	No.	1,00		
L218		250mm x 200mm	No.	1,00		
		Extra-over item 8.2.4g for other types and sizes of reducers				
L219		(i) Provisional sum		Provisional	Sum	10 000,00
L220		(ii) Contractors markup on item (i) above for handling,transportation and installation	%	10 000,00		
	8.2.4h	Flange adaptors: C.I flange drilled to SANS 1123 (1600/3) with nominal size:				
L221		(i) 110mm	No.	1,00		
L222		(ii) 125mm	No.	1,00		
L223		(iii) 140mm	No.	1,00		
L224		(iv) 160mm	No.	1,00		
L225		(v) 200mm	No.	1,00		
L226		(vi) 250mm	No.	1,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
	8.2.4h	Flange adaptors: C.I flange drilled to SANS 1123 (1600/3) with nominal size:				
L227		(i) 300mm	No.	1,00		
L228		(ii) 350mm	No.	1,00		
L229		(iii) 400mm	No.	1,00		
L230		(iv) 450mm	No.	1,00		
		Extra-over item 8.2.4h for other types and sizes of flange adaptors				
L231		(i) Provisional sum		Provisional	Sum	10 000,00
L232		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
	8.2.4i	Bends - uPVC class 16				
		(a) 90° Bend with OD:				
L233		(i) 110mm	No.	1,00		
	8.2.4i	Bends - uPVC class 16				
		(a) 90° Bend with OD:				
L234		(i) 110mm	No.	1,00		
L235		(ii) 125mm	No.	1,00		
L236		(iii) 140mm	No.	1,00		
L237		(iv) 160mm	No.	1,00		
L238		(v) 200mm	No.	1,00		
L239		(vi) 250mm	No.	1,00		
L240		(vii) 315mm	No.	1,00		
		(b) 45° Bend with OD:				
L241		(i) 110mm	No.	1,00		
L242		(ii) 125mm	No.	1,00		
L243		(iii) 140mm	No.	1,00		
TOTAL CARRIED FORWARD						

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BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L244		(iv) 160mm	No.	1,00		
L245		(v) 200mm	No.	1,00		
L246		(vi) 250mm	No.	1,00		
L247		(vii) 315mm	No.	1,00		
		(c) 22.5° Bend with OD:				
L248		(i) 110mm	No.	1,00		
L249		(ii) 125mm	No.	1,00		
L250		(iii) 140mm	No.	1,00		
L251		(iv) 160mm	No.	1,00		
L252		(v) 200mm	No.	1,00		
L253		(vi) 250mm	No.	1,00		
L254		(vii) 315mm	No.	1,00		
		(d) 11.25° Bend with OD:				
L255		(i) 110mm	No.	1,00		
L256		(ii) 125mm	No.	1,00		
L257		(iii) 140mm	No.	1,00		
L258		(iv) 160mm	No.	1,00		
L259		(v) 200mm	No.	1,00		
L260		(vi) 250mm	No.	1,00		
L261		(vii) 315mm	No.	1,00		
		Extra-over item 8.2.4i for other types and sizes of bends				
L262		(i) Provisional Sum		Provisional	Sum	10 000,00
L263		(ii) Copntractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
	8.2.4j	Bends - Steel (drilled to SANS 1123 Table 1600/3, both ends flanged)				
		(a) 90° Bend with ND:				
L264		(i) 110mm	No.	1,00		
L265		(ii) 125mm	No.	1,00		
L266		(iii) 140mm	No.	1,00		
L267		(iv) 160mm	No.	1,00		
L268		(v) 200mm	No.	1,00		
L269		(vi) 250mm	No.	1,00		
L270		(vii) 315mm	No.	1,00		
L271		(viii) 355mm	No.	1,00		
L272		(ix) 400mm	No.	1,00		
L273		(x) 450mm	No.	1,00		
L274		(xi) 500mm	No.	1,00		
		(b) 45° Bend with ND:				
L275		(i) 110mm	No.	1,00		
L276		(ii) 125mm	No.	1,00		
L267		(iii) 140mm	No.	1,00		
L268		(iv) 160mm	No.	1,00		
L269		(v) 200mm	No.	1,00		
L270		(vi) 250mm	No.	1,00		
L271		(vii) 315mm	No.	1,00		
L272		(viii) 355mm	No.	1,00		
L273		(ix) 400mm	No.	1,00		
L274		(x) 450mm	No.	1,00		
L275		(xi) 500mm	No.	1,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
		(c) 22.5° Bend with ND:				
L276		(i) 110mm	No.	1,00		
L277		(ii) 125mm	No.	1,00		
L278		(iii) 140mm	No.	1,00		
L279		(v) 200mm	No.	1,00		
L280		(vi) 250mm	No.	1,00		
L281		(vii) 315mm	No.	1,00		
L282		(viii) 355mm	No.	1,00		
L283		(ix) 400mm	No.	1,00		
L284		(x) 450mm	No.	1,00		
L285		(xi) 500mm	No.	1,00		
		(d) 11.25° Bend with ND:				
L286		(i) 110mm	No.	1,00		
L287		(ii) 125mm	No.	1,00		
L288		(iii) 140mm	No.	1,00		
L289		(iv) 160mm	No.	1,00		
L290		(v) 200mm	No.	1,00		
L291		(vi) 250mm	No.	1,00		
L292		(vii) 315mm	No.	1,00		
L293		(viii) 355mm	No.	1,00		
L294		(ix) 400mm	No.	1,00		
L295		(x) 450mm	No.	1,00		
L296		(xi) 500mm	No.	1,00		
TOTAL CARRIED FORWARD						

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BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
	8.2.4K	Bends - Steel (drilled to SANS 1123 Table 2500/3, both ends flanged)				
L297		(a) 90 Bend with ND: (ii) 150mm	No.	1,00		
L298		(iii) 200mm	No.	1,00		
L299		(iv) 250mm	No.	1,00		
L300		(v) 300mm	No.	1,00		
L301		(vi) 350mm	No.	1,00		
L302		(vii) 400mm	No.	1,00		
L303		(viii) 450mm	No.	1,00		
L304		(ix) 500mm	No.	1,00		
L305		(x) 600mm	No.	1,00		
L306		(xi) 700mm	No.	1,00		
		(b) 45 Bend with ND:				
L307		(ii) 150mm	No.	1,00		
L308		(iii) 200mm	No.	1,00		
L309		(iv) 250mm	No.	1,00		
L310		(v) 300mm	No.	1,00		
L311		(vi) 350mm	No.	1,00		
L312		(vii) 400mm	No.	1,00		
L313		(viii) 450mm	No.	1,00		
L314		(ix) 500mm	No.	1,00		
L315		(x) 600mm	No.	1,00		
L316		(xi) 700mm	No.	1,00		
TOTAL CARRIED FORWARD						

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BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
		(c) 22.5 Bend with ND:				
L317		(ii) 150mm	No.	1,00		
L318		(iii) 200mm	No.	1,00		
L319		(iv) 250mm	No.	1,00		
L320		(v) 300mm	No.	1,00		
L321		(vi) 350mm	No.	1,00		
L322		(vii) 400mm	No.	1,00		
L323		(viii) 450mm	No.	1,00		
L324		(ix) 500mm	No.	1,00		
L325		(x) 600mm	No.	1,00		
L326		(xi) 700mm	No.	1,00		
		(d) 11.25 Bend with ND:				
L327		(ii) 150mm	No.	1,00		
L328		(iii) 200mm	No.	1,00		
L329		(iv) 250mm	No.	1,00		
L330		(v) 300mm	No.	1,00		
L331		(vi) 350mm	No.	1,00		
L332		(vii) 400mm	No.	1,00		
L333		(viii) 450mm	No.	1,00		
L334		(ix) 500mm	No.	1,00		
L335		(x) 600mm	No.	1,00		
L337		(xi) 700mm	No.	1,00		
		Extra-over item 8.2.4k for other types and sizes of bends				
L338		(i) Provisional sum		Provisional	Sum	10 000,00
L339		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
TOTAL CARRIED FORWARD						

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BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
	8.2.4k	Steel End Caps with ND:				
L340		110mm	No.	1,00		
L341		160mm	No.	1,00		
L342		200mm	No.	1,00		
L343		250mm	No.	1,00		
L344		315mm	No.	1,00		
L345		355mm	No.	1,00		
L346		400mm	No.	1,00		
		Extra-over item 8.2.4ℓ for other types and sizes of end caps				
L347		(i) Provisional sum		Provisional	Sum	10 000,00
L348		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
	8.2.4m	Saddle Clamp Complete with bolts, nuts, flat gaskets, stiffened ring. Include drilling hole to DN of fitting Ø. Suitable Polypropylene Copolymer Compression fittings and specials for coupling of HDPE pipes: BSP Include for painting bolts with bituminous corrosion resisting paint :				
L349		110mm	No.	1,00		
L350		125mm	No.	1,00		
L351		160mm	No.	1,00		
L352		200mm	No.	1,00		
		Extra-over item 8.2.4m for other types and sizes of saddles				
L353		(i) Provisional sum		Provisional	Sum	10 000,00
L354		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
	8.2.4n	Steel Repair couplings with ND:				
L355		110mm	No.	1,00		
L356		160mm	No.	1,00		
TOTAL CARRIED FORWARD						

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SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L357		200mm	No.	1,00		
L358		250mm	No.	1,00		
L359		315mm	No.	1,00		
L360		355mm	No.	1,00		
L361		450mm	No.	1,00		
L362		500mm	No.	1,00		
		Extra-over item 8.2.4n for other types and sizes of repair couplings				
L363		(i) Provisional sum		Provisional	Sum	10 000,00
L364		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
	8.2.4O	HDPE specials, fittings and couplings				
		(a) HDPE Segmented bends 90°with nominal Size:				
L365		(i) 160mm	No.	1,00		
L366		(ii) 180mm	No.	1,00		
L367		(iii) 200mm	No.	1,00		
L368		(iv) 225mm	No.	1,00		
L369		(v) 250mm	No.	1,00		
L370		(vi) 280mm	No.	1,00		
L371		(vii) 315mm	No.	1,00		
L372		(viii) 355mm	No.	1,00		
L373		(ix) 400mm	No.	1,00		
L374		(x) 450mm	No.	1,00		
L375		(xi) 500mm	No.	1,00		
		(b) HDPE Segmented bends 45° with nominal size:				
L376		(i) 160mm	No.	1,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L377		(ii) 180mm	No.	1,00		
L378		(iii) 200mm	No.	1,00		
L379		(iv) 225mm	No.	1,00		
L380		(v) 250mm	No.	1,00		
L3381		(vi) 280mm	No.	1,00		
L382		(vii) 315mm	No.	1,00		
L383		(viii) 355mm	No.	1,00		
L384		(ix) 400mm	No.	1,00		
L385		(x) 450mm	No.	1,00		
L386		(xi) 500mm	No.	1,00		
		(c) HDPE Seamless bends 90° with nominal size				
L387		(i) 160mm	No.	1,00		
L388		(ii) 180mm	No.	1,00		
L389		(iii) 200mm	No.	1,00		
L390		(iv) 225mm	No.	1,00		
L391		(v) 250mm	No.	1,00		
L392		(iv) 225mm	No.	1,00		
L393		(v) 250mm	No.	1,00		
L394		(vi) 280mm	No.			
L395		(vii) 315mm	No.	1,00		
L396		(viii) 355mm	No.	1,00		
L397		(ix) 400mm	No.	1,00		
L398		(x) 450mm	No.	1,00		
L400		(xi) 500mm	No.	1,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
		(c) HDPE Seamless bends 90° with nominal size				
L401		(i) 160mm	No.	1,00		
L402		(ii) 180mm	No.	1,00		
L403		(iii) 200mm	No.	1,00		
L404		(iv) 225mm	No.	1,00		
L405		(v) 250mm	No.	1,00		
L406		(vi) 280mm	No.	1,00		
L407		(vii) 315mm	No.	1,00		
L408		(viii) 355mm	No.	1,00		
L409		(ix) 400mm	No.	1,00		
L410		(x) 450mm	No.	1,00		
L411		(xi) 500mm	No.	1,00		
		(d) HDPE Seamless bends 45° with nominal size				
L412		(i) 160mm	No.	1,00		
L413		(ii) 180mm	No.	1,00		
L414		(iii) 200mm	No.	1,00		
L415		(iv) 225mm	No.	1,00		
L416		(v) 250mm	No.	1,00		
L417		(vi) 280mm	No.	1,00		
L418		(vii) 315mm	No.	1,00		
L419		(viii) 355mm	No.	1,00		
L420		(ix) 400mm	No.	1,00		
L421		(x) 450mm	No.	1,00		
L422		(xi) 500mm	No.	1,00		
L423		Extra-over item 8.2.4o (a,b,c,d) for other types and sizes of bends				
L424		(i) Provisional sum		Provisional	Sum	10 000,00
TOTAL CARRIED FORWARD						

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SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L425		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
		(e) HDPE Tees with nominal size:				
L426		(i) 160mm	No.	1,00		
L427		(ii) 180mm	No.	1,00		
L428		(iii) 200mm	No.	1,00		
L429		(iv) 225mm	No.	1,00		
L430		(v) 250mm	No.	1,00		
L431		(vi) 280mm	No.	1,00		
L432		(vii) 315mm	No.	1,00		
L434		(viii) 355mm	No.	1,00		
L435		(ix) 400mm	No.	1,00		
L436		(x) 450mm	No.	1,00		
L437		(xi) 500mm	No.	1,00		
		Extra-over item 8.2.4n (e) for other types and sizes of tees				
L438		(i) Provisional sum		Provisional	Sum	10 000,00
L439		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
		(f) HDPE reducing tees with nominal size:				
L440		125mm x 110mm	No.	1,00		
L441		140mm x 110mm	No.	1,00		
L442		140mm x 125mm	No.	1,00		
L443		160mm x 110mm	No.	1,00		
L444		160mm x 125mm	No.	1,00		
L445		160mm x 140mm	No.	1,00		
L446		200mm x 110mm	No.	1,00		
L447		200mm x 125mm	No.	1,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L448		200mm x 140mm	No.	1,00		
L449		200mm x 160mm	No.	1,00		
L450		250mm x 110mm	No.	1,00		
L451		250mm x 125mm	No.	1,00		
L452		250mm x 140mm	No.	1,00		
L453		250mm x 160mm	No.	1,00		
L454		250mm x 200mm	No.	1,00		
		Extra-over item 8.2.4n (f) for other types and sizes of reducing tees				
L455		(i) Provisional sum		Provisional	Sum	10 000,00
L456		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
		(g) HDPE stub flange with nominal size:				
L457		(i) 160mm	No.	1,00		
L458		(ii) 180mm	No.	1,00		
L459		(iii) 200mm	No.	1,00		
L460		(iv) 225mm	No.	1,00		
L461		(v) 250mm	No.	1,00		
L462		(vi) 280mm	No.	1,00		
L463		(vii) 315mm	No.	1,00		
L464		(viii) 355mm	No.	1,00		
L465		(ix) 400mm	No.	1,00		
L466		(x) 450mm	No.	1,00		
L467		(xi) 500mm	No.	1,00		
		Extra-over item 8.2.4n (g) for other types and sizes of tees				
L468		(i) Provisional sum		Provisional	Sum	10 000,00
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L469		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
		(h) HDPE Reducers with nominal size:				
L470		125mm x 110mm	No.	1,00		
L471		140mm x 110mm	No.	1,00		
L472		140mm x 125mm	No.	1,00		
L473		160mm x 110mm	No.	1,00		
L474		160mm x 125mm	No.	1,00		
L475		160mm x 140mm	No.	1,00		
L476		200mm x 110mm	No.	1,00		
L477		200mm x 125mm	No.	1,00		
L478		200mm x 140mm	No.	1,00		
L479		200mm x 160mm	No.	1,00		
L480		250mm x 110mm	No.	1,00		
L481		250mm x 125mm	No.	1,00		
L482		250mm x 140mm	No.	1,00		
L483		250mm x 160mm	No.	1,00		
L484		250mm x 200mm	No.	1,00		
L485		Extra-over item 8.2.4n (h) for other types and sizes of reducers				
L486		(i) Provisional sum		Provisional	Sum	10 000,00
L487		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
		(i) HDPE end caps with nominal size:				
L488		110mm	No.	1,00		
L489		125mm	No.	1,00		
L490		140mm	No.	1,00		
L491		160mm	No.	1,00		
TOTAL CARRIED FORWARD						

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BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

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SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L492		180mm	No.	1,00		
L493		200mm	No.	1,00		
L494		225mm	No.	1,00		
		Extra-over item 8.2.4n (i) for other types and sizes of end caps				
L495		(i) Provisional sum		Provisional	Sum	10 000,00
L496		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
		(j) Puddle flanges				
L497		DN 100mm	No.	1,00		
L498		DN 150mm	No.	1,00		
L499		DN 200mm	No.	1,00		
L500		DN 225mm	No.	1,00		
L501		DN 250mm	No.	1,00		
L502		DN 300mm	No.	1,00		
L503		DN 375mm	No.	1,00		
L504		DN 450mm	No.	1,00		
L505		DN 500mm	No.	1,00		
L506		DN 600mm	No.	1,00		
L507		DN 750mm	No.	1,00		
		Extra-over item 8.2.4n (j) for other types and sizes of puddle flanges				
L508		(i) Provisional Sum		Provisional	Sum	10 000,00
L509		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
		Extra-over item 8.2.4 for Ductile Iron fittings and specials				
L510		(i) Provisional sum		Provisional	Sum	10 000,00
L511		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
	8.2.5	Supply and Place Pipes, Valves & Specials Supply, Install & Finish installation -Suitable Cast Iron, Mild steel (minimum wall thickness of 4,5mm) & uPVC fittings for coupling onto pipes. Complete with bolts, nuts, gaskets, seals & corrosion protection. If flanged : drilled to SANS 1123(1600/3) Boss flanges: Drilled to SANS 1123(1600/4) If screwed: BSP thread Bolts: Stainless steel grade 304 Pipes to SANS 62 Corrosion protection: Powder coated Final surface shall be smooth, glossy and uniform before powder coating, clean the surface - sand blast to Sa 3 Cl. 10.2 Primer: to manufacturer's specification Materials: Powder coating - High build Epoxy (SABS 1217 Type 2): DFT: 300 to 500 micron - Polyurethane (SABS 1578) on G.I DFT: 50 to 100 micron Alternative corrosion protection: Hot-dipped galvanized to SANS ISO 1461 and SANS EN 10240.				
	8.2.5a	Isolating Valves (a) Resilient seal gate valve non-rising spindle with stem cap, flanges drilled to SANS1123 (1600/3) Anti-clockwise closing. Complete with all components and gaskets and appurtenances				
L512		(i) DN 80mm	No.	1,00		
L513		(ii) DN 100mm	No.	1,00		
L514		(iii) DN 150mm	No.	1,00		
L515		(iv) DN 200mm	No.	1,00		
L516		(v) DN 250mm	No.	1,00		
L517		(vi) DN 300mm	No.	1,00		
L518		(vii) DN 350mm	No.	1,00		
L519		(viii) DN 400mm	No.	1,00		
		(b) Resilient seal gate valve non-rising spindle with stem cap, flanges drilled to SANS1123 (2500/3) Anti-clockwise closing. Complete with all components and gaskets and appurtenances				
L520		(i) DN 80mm	No.	1,00		
TOTAL CARRIED FORWARD						

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BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

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SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L520		(ii) DN 100mm	No.	1,00		
L521		(iii) DN 150mm	No.	1,00		
L522		(iv) DN 200mm	No.	1,00		
L523		(v) DN 250mm	No.	1,00		
L524		(vi) DN 300mm	No.	1,00		
L525		(vii) DN 400mm	No.	1,00		
L526		(viii) DN 450mm	No.	1,00		
L527		(viii) DN 500mm	No.			
L528		(ix) DN 700mm	No.			
L529		(c) Resilient seal gate valve non-rising spindle with stem cap, spigot and socket Anti-clockwise closing. Complete with all appurtenances				
		(i) DN 80mm	No.	1,00		
L530		(ii) DN 100mm	No.	1,00		
L531		(iii) DN 150mm	No.	1,00		
L532		(iv) DN 200mm	No.	1,00		
L533		(v) DN 250mm	No.	1,00		
L534		(vi) DN 300mm	No.	1,00		
L535		(c) Wedge gate valve non rising spindle PN 16 rated-hand wheel operated, anitclockwise closing, epoxy coated Flanges drilled to SANS 1123 (1600/3) complete with all gaskets and appurtenances				
L536		(i) DN 80mm	No.	1,00		
L537		(ii) DN 100mm	No.	1,00		
L538		(iii) DN 150mm	No.	1,00		
L539		(iv) DN 200mm	No.	1,00		
L540		(v) DN 250mm	No.	1,00		
TOTAL CARRIED FORWARD						

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SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L541		(vi) DN 300mm	No.	1,00		
L542		(vii) DN 350mm	No.	1,00		
L533		(viii) DN 400mm	No.	1,00		
		(d) Wedge gate valve non rising spindle PN 16 rated-hand wheel operated, anti-clockwise closing, epoxy coated Flanges drilled to SANS 1123 (1600/3) complete with all gaskets and appurtenances				
L544		(i) DN 80mm	No.	1,00		
L545		(ii) DN 100mm	No.	1,00		
L546		(iii) DN 150mm	No.	1,00		
L547		(iv) DN 200mm	No.	1,00		
L548		(v) DN 250mm	No.	1,00		
L549		(vi) DN 300mm	No.	1,00		
L550		(vii) DN 350mm	No.	1,00		
L551		(viii) DN 400mm	No.	1,00		
		Extra-over item 8.2.5a for other types and sizes of isolating valves				
L552		(i) Provisional sum		Provisional	Sum	10 000,00
L553		(ii) Contractors mark-up on item (i) above for handling, transportation and installation	%	10 000,00		
	8.2.5b	Scour valves				
		Supply and install complete with all components scour valves, epoxy coated, anticlockwise closing PN16 flanged with all components and gaskets and appurtenances				
L554		(i) DN 80mm	No.	1,00		
L555		(ii) DN 100mm	No.	1,00		
L556		(iii) DN 150mm	No.	1,00		
L557		(iv) DN 200mm	No.	1,00		
L558		(v) DN 250mm	No.	1,00		
L559		(vi) DN 300mm	No.	1,00		
L560		(iii) DN 450mm	No.	1,00		
TOTAL CARRIED FORWARD						

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BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

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SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
		Supply and install complete with all components scour valves, epoxy coated, anticlockwise closing PN 25 flanged with all components and gaskets and appurtenances				
L561		(i) DN 350mm	No.	1,00		
L562		(ii) DN 400mm	No.	1,00		
L563		(iii) DN 450mm	No.	1,00		
L564		(iv) DN 500mm	No.	1,00		
L565		(v) DN 650mm	No.	1,00		
L566		(vi) DN 700mm	No.	1,00		
		Extra-over item 8.2.5b for other types and sizes of scour valves				
L567		(i) Provisional sum		Provisional	Sum	10 000,00
L568		(ii) Contractors mark-up on item (i) above for handling, transportation and installation	%	10 000,00		
	8.2.5c	Control valves				
		(a) Rate of flow control valve CLA-VAL SERIES 40/640 (or similar approved) flanged complete with all components and gaskets and appurtenances				
L569		(i) DN 80mm	No.	1,00		
L570		(ii) DN 100mm	No.	1,00		
L571		(iii) DN 125mm	No.	1,00		
L572		(iv) DN 150mm	No.	1,00		
L573		(v) DN 200mm	No.	1,00		
L574		(vi) DN 250mm	No.	1,00		
L575		(vii) DN 300mm	No.	1,00		
L576		(viii) DN 350mm	No.	1,00		
L577		(xv) DN 400mm	No.	1,00		
TOTAL CARRIED FORWARD						

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SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
		(b) Pressure sustaining valve CLA-VAL SERIES 50/650 (or similar approved) flanged complete with all components and gaskets and appurtenances				
L578		(i) DN 80mm	No.	1,00		
L579		(ii) DN 100mm	No.	1,00		
L580		(iii) DN 125mm	No.	1,00		
L581		(iv) DN 150mm	No.	1,00		
L582		(v) DN 200mm	No.	1,00		
L583		(vi) DN 250mm	No.	1,00		
L584		(vii) DN 300mm	No.	1,00		
L585		(viii) DN 350mm	No.	1,00		
L586		(xv) DN 400mm	No.	1,00		
		(c) Pump control valve CLA-VAL SERIES 60/660 flanged complete with all components and gaskets and appurtenances				
L587		(i) DN 80mm	No.	1,00		
L588		(ii) DN 100mm	No.	1,00		
L589		(iii) DN 125mm	No.	1,00		
L590		(iv) DN 150mm	No.	1,00		
L591		(v) DN 200mm	No.	1,00		
L592		(vi) DN 250mm	No.	1,00		
L593		(vii) DN 300mm	No.	1,00		
L594		(viii) DN 350mm	No.	1,00		
L595		(xv) DN 400mm	No.	1,00		
		(d) Pressure Reducing valve CLA-VAL SERIES 90/690 (or similar approved) flanged complete with all components and gaskets and appurtenances				
L596		(i) DN 80mm	No.	1,00		
L597		(ii) DN 100mm	No.	1,00		
TOTAL CARRIED FORWARD						

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BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

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SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L598		(iii) DN 125mm	No.	1,00		
L599		(iv) DN 150mm	No.	1,00		
L600		(v) DN 200mm	No.	1,00		
L601		(vi) DN 250mm	No.	1,00		
L602		(vii) DN 300mm	No.	1,00		
L603		(viii) DN 350mm	No.	1,00		
L604		(xv) DN 400mm	No.	1,00		
		(e) Non Return/Check valve CLA-VAL SERIES 81 (or similar approved) flanged complete with all components and gaskets and appurtenances				
L605		(i) DN 80mm	No.	1,00		
L606		(ii) DN 100mm	No.	1,00		
L607		(iii) DN 125mm	No.	1,00		
L608		(iv) DN 150mm	No.	1,00		
L609		(v) DN 200mm	No.	1,00		
L610		(vi) DN 250mm	No.	1,00		
L611		(vii) DN 300mm	No.	1,00		
L612		(viii) DN 350mm	No.	1,00		
L613		(xv) DN 400mm	No.	1,00		
		Extra-over item 8.2.5c for other types and sizes of Control Valves				
L614		(i) Provisional sum		Provisional	Sum	10 000,00
L615		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
	8.2.5d	Air Valves				
TOTAL CARRIED FORWARD						

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SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
		Air and vacuum break valve, Vent-o-Mat Series RBX or similar approved complete with mounting flange gaskets and bolts and nuts and appurtenances				
L616		ND 25 (2511) - Screwed	No.	1,00		
L617		ND 50 (2511) - Screwed	No.	1,00		
L618		ND 80 (1601) - Flanged	No.	1,00		
L619		ND 80 (2501) - Flanged	No.	1,00		
L620		ND 100 (1601) - Flanged	No.	1,00		
L621		ND 100 (2501) - Flanged	No.	1,00		
L622		ND 150 (1601) - Flanged	No.	1,00		
L623		ND 150 (2501) - Flanged	No.	1,00		
L624		ND 200 (1601) - Flanged	No.	1,00		
L625		ND 200 (2501) - Flanged	No.	1,00		
		Extra-over item 8.2.5d for other types and sizes of Air Valves				
L626		(i) Provisional Sum		Provisional	Sum	10 000,00
L627		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
	8.2.5e	Fire Hydrant Valves				
		Supply and install complete with all components and gaskets and appurtenances				
L628		(i) Below ground level type	No.	1,00		
L629		(ii) Above ground level type	No.	1,00		
		Extra-over item 8.2.5e for other types and sizes of fire hydrant valves				
L630		(i) Provisional sum		Provisional	Sum	10 000,00
L631		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L632	8.2.5f	Manzi Lock Supply and install complete to fit onto Resilient Seal Gate Valve stem cap	No.	1,00		
L633	8.2.5g	Pressure Gauge Supply and install complete to it onto G.I pipe complete with couplers and fasteners and appurtenances Pressure Gauge: DN15mm Extra-over item 8.2.5g for other types and sizes of pressure gauges	No.	1,00		
L634		(i) Provisional sum	—	Provisional	Sum	10 000,00
L635		(ii) Contractors markup on item (i) above for handling, transportation and installation	%	10 000,00		
L636	8.2.5h	Fire Hydrant Fittings: above ground level Complete as per Drawing No. AC345/19/FD01	No.	1,00		
L637	8.2.5i	Fire Hydrant Fittings: Below ground level Complete as per Drawing No. AC345/19/FD01	No.	1,00		
L638	8.2.5j	Fire Hydrant Fittings: Woodland type or similar Complete as per Drawing No. AC345/19/FD01	No.	1,00		
L639	8.2.11	Anchor/Thrust blocks and pedestals Complete as per Drawing No. AC345/19/SD/10 Concrete (20MPa/19mm)	m³	1,00		
L640		Formwork	m²	1,00		
L6641	8.2.13	Valve and hydrant chambers Valve chamber as per Drawing No. AC345/19/CD01	No.	1,00		
L642		Air Valve chamber as per Drawing No. AC345/19/SD01	No.	1,00		
L643		Scour Valve chamber as per Drawing No. AC345/19/SD03	No.	1,00		
TOTAL CARRIED FORWARD						

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SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L644		Formwork	m²	1,00		
L645	8.2.13	Valve and hydrant chambers				
L646		Valve chamber as per Drawing No. AC345/19/CD02	No.	1,00		
L647		Air Valve chamber as per Drawing No. AC345/19/SD02	No.	1,00		
L648		Scour Valve chamber as per Drawing No. AC345/19/SD03a	No.	1,00		
L649		Formwork	m²	1,00		
L650	8.2.13	Valve and hydrant chambers				
L651		Air Valve chamber 1500mm dia. Rings with 650mm dia Composite Fiber lid, painted yellow with 75mm blackstenciled letters, stating chainage and marked AV No.	No.	1,00		
L652		Valve chamber minimum scour pipe of 160mm dia. With 650mm dia. Composite Fiber lid, painted yellow with 75mm black tenciled letters, stating chainage and marked SV No.	No.	1,00		
		Scour Valve chamber as per Drawing No. AC	No.	1,00		
	PSL8.2.15	Special Wrapping (Denso lay flat or similar approved in writing)				
L653		(a) Buried Flanges				
L654		DN50 to DN150	No.	1,00		
L655		DN150 to DN200	No.	1,00		
L656		DN200 to DN250	No.	1,00		
L657		DN250 to DN300	No.	1,00		
L658		DN300 to DN350	No.	1,00		
L659		DN350 to DN400	No.	1,00		
L660		DN400 to DN450	No.	1,00		
L661		DN450 to DN500	No.	1,00		
L662		(b) Viking Johnson Type coupling: Buried				
TOTAL CARRIED FORWARD						

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SCHEDULE 8

SANS 1200L - MEDIUM PRESSURE PIPELINES

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L663		DN50 to DN150	No.	1,00		
L664		DN150 to DN200	No.	1,00		
L665		DN200 to DN250	No.	1,00		
L666		DN250 to DN300	No.	1,00		
L667		DN300 to DN350	No.	1,00		
L668		DN350 to DN400	No.	1,00		
L669		DN400 to DN450	No.	1,00		
L670		DN450 to DN500	No.	1,00		
L671		(c) Buried steel pipes: only where directed by Engineer in writing				
L672		DN50 to DN150	m	1,00		
L673		DN150 to DN200	m	1,00		
L674		DN200 to DN250	m	1,00		
L675		DN250 to DN300	m	1,00		
L676		DN300 to DN350	m	1,00		
L677		DN350 to DN400	m	1,00		
L678		DN400 to DN450	m	1,00		
L679		DN450 to DN500	m	1,00		
L680	PSL8.2.16	Marker Posts	No.	1,00		
CARRIED FORWARD TO SUMMARY						

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BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 9

SANS 1200LB - BEDDING

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
LB	SABS 1200 LB	SECTION LB: BEDDING PROVISION OF BEDDING Available from trench within 0,5 km (Subclause 3.4.1)				
LB1	8.2.1	(a) Selected granular material	m³	1,00		
LB2		(b) Selected fill material	m³	1,00		
	8.2.2	Supply only of bedding by Importtation				
	8.2.2.2	From Commercial sources (Provisional)				
LB3		(1) Selected granular material	m³	1,00		
LB4		(2) Selected fill material	m³	1,00		
LB5		(3) 19mm stone	m³	1,00		
	8.2.2.3	From Commercial sources (Provisional)				
LB3		(1) Selected granular material	m³	1,00		
LB4		(2) Selected fill material	m³	1,00		
LB5		(3) 19mm stone	m³	1,00		
LB6	PSA	Extra-over items LB3 to LB9 for screening of bedding materials	m³	1,00		
LB7		Extra-over items LB3 to LB 9 for bedding stabilized with 5% cement	m³	1,00		
LB8		Extra-over items LB9 for geotextile (Bidem U19 or similar)	m²	1,00		
LB9	8.2.3	Concrete Bedding Cradle	m³	1,00		
LB10	8.2.4	Encasing of pipes in concrete	m³	1,00		
	8.2.5	Overhaul of material for bedding (Provisional) where ordered Extra-over items LB3 TO LB4				
LB11		a) Selected granular material	m³.km	1,00		
LB12		b) Selected fill material	m³.km	1,00		
	SABS 1200 G 8.3.2	High-tensile welded mesh in the following: Ref 395 in concrete encasing around pipes	m²	1,00	-	
CARRIED FORWARD TO SUMMARY						

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BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 10

SANS 1200 LC : CABLE DUCTS

ITEM NO.	REFE- RENCE	DESCRIPTION	UNIT	QUANT	RATE R C	AMOUNT R C
	SANS 1200 LF	SECTION 5 : CABLE DUCTS				
		Supply, Lay, Bed and Prove Duct:				
	8.2.2	Excavation				
LC01		(a) Excavate in all material for trenches, backfill, compact and dispose of surplus	m³	1,00		
LC02		(b) Extra over items (a) above for:				
LC03		(i) Intermediate excavation	m³	1,00		
LC04		(ii) Hard rock excavation	m³	1,00		
LC05		(iii) Boulder excavation, class A	m³	1,00		
LC06		(iv) Boulder excavation, class B	m³	1,00		
LC07	8.2.3	Shore trench at structures	m	1,00		
LC08	8.2.5	Supply, Lay, Bed and Prove Duct:	m	1,00		
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 10

SANS 1200 LF : WATER -ERF CONNECTION

ITEM NO.	REFERENCE	DESCRIPTION	UNIT	QUANT	RATE R C	AMOUNT R C
	SANS 1200 LF	SECTION 5 : WATER - ERF CONNECTIONS				
LF1	8.2.1	Provide erf connection complete as per drawing AC265/11/10				
LF1.1		a) Double	No	1,00		
LF1.2		b) Single	No	1,00		
LF2	8.2.2	Supply, lay and test erf connection				
LF2.1		a) Type V, Class 12 PN 12.5 PE 80 HDPE pipes including all fittings, couplings and saddles:				
LF2.1		20 mm dia	m	1,00		
LF2.1.1		25 mm dia	m	1,00		
LF2.1.3		32 mm dia	m	1,00		
LF2.2		b) Galvanized mild steel, medium class pipes, including all fittings and couplings:				
LF2.2.1		20 mm dia	m	1,00		
LF2.2.2		25 mm dia	m	1,00		
LF2.2.3		40 mm dia	m	1,00		
LF3	8.2.3	Extra over item 8.2.2 for specials				
LF3.1		a) GMS - 90° Bends				
LF3.1.1		½ "	No	1,00		
LF3.1.2		¾ "	No	1,00		
LF3.2		b) Plasson 90° elbow with male offtake				
LF3.2.1		25 x ¾ "	No	1,00		
LF3.3		c) Plasson 90° elbow with female offtake				
LF3.3.1		32 x 1"	No	1,00		
LF3.4		d) GMS Nipples				
LF3.4.1		½ "	No	1,00		
LF3.4.2		¾ "	No	1,00		
LF3.5		e) Plasson female adapter				
LF3.5.1		25 x ½ "	No	1,00		
LF3.5.2		25 x ¾ "	No	1,00		
TOTAL CARRIED FORWARD						

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BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 10

SANS 1200 LF : WATER -ERF CONNECTION

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
LF3.6		f) Plasson male adapter				
LF3.6.1		25 x ½ "	No	1,00		
LF3.6.2		25 x ¾ "	No	1,00		
LF3.6.3		32 x 1¼"	No	1,00		
LF3.7		g) Plasson 90° Tee with female offtake				
LF3.7.1		25 x 1¼" x 25	No	1,00		
LF3.8		h) Cobra brass ball valve (Ball-o-stop)				
LF3.8.1		¾ "	No	1,00		
LF3.9		i) Plasson saddles				
LF3.9.1		75 x 32 mm	No	1,00		
LF3.9.2		90 x 32 mm	No	1,00		
LF3.9.3		110 x 32 mm	No	1,00		
LF3.9.4		160 x 32 mm	No	1,00		
LF3.9.5		200 x 32 mm	No	1,00		
LF3.9.6		250 x 32 mm	No	1,00		
LF3.10		j) Mild steel saddles				
LF3.10.1		315 x 32 mm	No	1,00		
LF3.10.2		355 x 32 mm	No	1,00		
LF3.10.3		400 x 32 mm	No	1,00		
LF3.11		k) Cast iron saddles				
LF3.11.1		50 x 32 mm	No	1,00		
LF3.11.2		75 x 32 mm	No	1,00		
LF3.11.3		90 x 30 mm	No	1,00		
LF3.11.4		100 x 32 mm	No	1,00		
LF3.11.5		150 x 32 mm	No	1,00		
LF3.11.6		200 x 32 mm	No	1,00		
LF3.11.7		250 x 32 mm	No	1,00		
LF3.12	PSLF 7	l) Collect, store and installation of water meters	No	1,00		
LF3.13	PSLF 8	m) Secure and deliver old of water meters to MLM depot	No	1,00		
LF3.14	PSLF 9	n) Provision of Pillar type meter box complete with Class C 15mm water meter	No	1,00		
TOTAL CARRIED FORWARD						

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BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 10

SANS 1200 LF : WATER -ERF CONNECTION

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
LF3.15		p) 110 mm dia Polyethylene round valve box	No	1,00		
LF.3.16		q) GMS End Caps				
LF3.16.1		½ "	No	1,00		
LF3.16.2		¾ "	No	1,00		
LF3.16.3		1 "	No	1,00		
LF.3.17		r) Plasson End Caps				
LF3.17.1		20 mm	No	1,00		
LF3.17.2		25 mm	No	1,00		
LF3.17.3		32 mm	No	1,00		
LF.4		Ancillaries				
LF4.1		Remove existing water meter	No	1,00		
LF4.2		Connect, new communication pipe at old water meter connection	No	1,00		
CARRIED FORWARD TO SUMMARY						

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BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SCHEDULE 11

PSLV - PIPE JACKING AND BORING

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	PSLV	SECTION 11: PIPE JACKING AND BORING				
		<u>PIPE BORING</u>				
LG1	13,1	Establishment on site for:				
LG1.1	13.1.2	Pipe boring	No	1,00		
LG2	13,2	Access to and from the thrust and reception pits	No	1,00		
LG3	13,3	Excavating in soft material for:				
LG3.1	13.3.2	Pipe boring pits	m³	1,00		
LG4	13,4	Extra over item 13.3 for excavating hard material	m³	1,00		
LG5	13,5	Backfilling the:				
LG5.1	13.5.2	Pipe boring pits with:				
LG5.1.1		a) Excavated material	m³	1,00		
LG5.1.2		b) Imported material	m³	1,00		
LG6	13,8	Boring of holes through:				
LG6.1	13.8.1	Soft material				
LG6.1.1		a) 50 mm Diameter	m	1,00		
LG6.1.3		c) 110 mm Diameter	m	1,00		
LG6.1.4		d) 160 mm Diameter	m	1,00		
LG6.1.5		e) 250 mm Diameter	m	1,00		
LG6.1.6		f) 315 mm Diameter	m	1,00		
LG6.1.8		(b) 400mm Diameter	m	1,00		
LG6.1.10		(c) 500 mm Diameter	m	1,00		
LG6.1.12		(d) 600 mm Diameter	m	1,00		
LG6.1.14		(e) 700mm Diameter	m	1,00		
LG6.1.10		(f) 800mm Diameter	m	1,00		
LG6.1.12		(g) 900mm Diameter	m	1,00		
LG6.2	13.8.2	Hard material				
LG6.2.1		a) 50 mm Diameter	m	1,00		
LG6.2.3		c) 110 mm Diameter	m	1,00		
LG6.2.4		d) 160 mm Diameter	m	1,00		
LG6.2.5		e) 250 mm Diameter	m	1,00		
LG6.2.6		f) 315 mm Diameter	m	1,00		
TOTAL CARRIED FORWARD						

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SCHEDULE 11

PSLV - PIPE JACKING AND BORING

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
LG6.1.8		(b) 400mm Diameter	m	1,00		
LG6.1.10		(c) 500 mm Diameter	m	1,00		
LG6.1.12		(d) 600 mm Diameter	m	1,00		
LG6.1.14		(e) 700mm Diameter	m	1,00		
LG6.1.10		(f) 800mm Diameter	m	1,00		
LG6.1.12		(g) 900mm Diameter	m	1,00		
LG7	13,9	Supplying, jointing and inserting pipes				
LG7.1	13.9.1	50 mm dia. HDPE PE63 (TYPE IV) Class 12	m	1,00		
LG7.2	13.9.2	75 mm dia. HDPE PE63 (TYPE IV) Class 12	m	1,00		
LG7.3	13.9.3	110 mm dia. HDPE PE63 (TYPE IV) Class 12	m	1,00		
LG7.4	13.9.4	160 mm dia. HDPE PE63 (TYPE IV) Class 12	m	1,00		
LG7.5	13.9.5	250 mm dia. HDPE PE63 (TYPE IV) Class 12	m	1,00		
LG7.6	13.9.6	315 mm dia. HDPE PE63 (TYPE IV) Class 12	m	1,00		
LG7.8	13.9.8	400 mm dia. HDPE PE63 (TYPE IV) Class 12	m	1,00		
LG7.10	13.9.10	500 mm dia. HDPE PE63 (TYPE IV) Class 12	m	1,00		
LG7.12	13.9.12	600 mm dia. HDPE PE63 (TYPE IV) Class 12	m	1,00		
LG7.14	13.9.14	800 mm dia. HDPE PE63 (TYPE IV) Class 12	m	1,00		
LG7.14	13.9.14	900 mm dia. HDPE PE63 (TYPE IV) Class 12	m	1,00		
LG8	13,11	The grouting of voids for pipe boring				
LG8.1	13.11.1	50 mm Diameter	m	1,00		
GL8.2	13.11.2	75 mm Diameter	m	1,00		
GL8.3	13.11.3	110 mm Diameter	m	1,00		
GL8.4	13.11.4	160 mm Diameter	m	1,00		
LG8.5	13.11.5	250 mm Diameter	m	1,00		
LG8.6	13.11.6	315 mm Diameter	m	1,00		
LG6.1.8		(b) 400mm Diameter	m	1,00		
LG6.1.10		(c) 500 mm Diameter	m	1,00		
LG6.1.12		(d) 600 mm Diameter	m	1,00		
LG6.1.14		(e) 700mm Diameter	m	1,00		
LG6.1.10		(f) 800mm Diameter	m	1,00		
LG6.1.12		(g) 900mm Diameter	m	1,00		
TOTAL CARRIED FORWARD						

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SCHEDULE 11

PSLV - PIPE JACKING AND BORING

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
LG9	13,9	Butt weld of sleeve				
LG9.1		110 mm Diameter	No	1,00		
LG9.2		160 mm Diameter	No	1,00		
LG9.3		250 mm Diameter	No	1,00		
LG9.4		315 mm Diameter	No	1,00		
		400mm Diameter	No	1,00		
		500 mm Diameter	No	1,00		
		600 mm Diameter	No	1,00		
		700mm Diameter	No	1,00		
		800mm Diameter	No	1,00		
		900mm Diameter	No	1,00		
TOTAL CARRIED FORWARD						

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SCHEDULE 11

PSLV - PIPE JACKING AND BORING

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
	LG	PIPE JACKING				
	8.2.1	Jacking Establishment				
		(a) Fixed charges	Sum	1,00		
		(b) Time related charges	Sum	1,00		
	8.2.2	Supply of concrete pipes to be jacked - D-Load designation 100D		1,00		
		(a) 300mm Diameter	m	1,00		
		(b) 400mm Diameter	m	1,00		
		(c) 500 mm Diameter	m	1,00		
		(d) 600 mm Diameter	m	1,00		
		(e) 700mm Diameter	m	1,00		
		(f) 800mm Diameter	m	1,00		
		(g) 900mm Diameter	m	1,00		
		(h) 1000mm Diameter	m	1,00		
	8.2.3	Jacking of concrete pipes - D-Load designation 100D				
		(a) 300mm Diameter	m	1,00		
		(b) 400mm Diameter	m	1,00		
		(c) 500 mm Diameter	m	1,00		
		(d) 600 mm Diameter	m	1,00		
		(e) 700mm Diameter	m	1,00		
		(f) 800mm Diameter	m	1,00		
		(g) 900mm Diameter	m	1,00		
		(h) 1000mm Diameter	m	1,00		
	8.2.4	Excavation for Jacking				
		(i) soft excavation	m³	1,00		
		(ii) intermediate excavation	m³	1,00		
	8.2.5	Extra-Over 8.2.1 and 8.2.4 for unseen rock and boulders	Pov Sum	10 000,00		
	8.2.9	Engineer				
		(a) Provision and establishment of plant on site...	Sum	1,00		
		(b) Operation of equipment	Day	1,00		
		(c) Materials used	kg	1,00		
	8.2.10	Standing time for pipe Jacking Gang and the Jacking Equipment covered by 8.2.1	hr	1,00		
TOTAL CARRIED FORWARD TO SUMMARY						

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SCHEDULE 12

SANS 0400 - PUMP STATION BUILDING

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
PSB 1	SANS 0400	<u>BRICKWORK</u>				
		<u>BRICKWORK</u>				
PSB 2		One brick wall in clay bricks , minimum 7MPa compressive strength complying to SANS 227 in cement sand mortar 1:6	m²	1,00		
PSB 3		Brick on edge window cill	m	1,00		
		FACINGS				
PSB 4		Extra over common brick as described above for facebrickwork in dark facebrick 'corobrick country classic traventine.	m²	1,00		
		<u>Builders Work In Connection with</u>				
PSB 5		Form hole in facebrick size 860x860mm for 500mm diameter steel pipe, enclose pipe in concrete (10Mpa) , including all formwork as necessary making good around brickwork and finishing as specified.	no	1,00		
PSB 6		Form hole in common brick size 860x860mm for 500mm diameter steel pipe, enclose pipe in concrete (10Mpa) , including all formwork as necessary making good around brickwork and finishing as specified.	no	1,00		
PSB 7		Pin or build in end of steel joists to brickwork in cement mortar. Cotts' or other equal and approved mesh brick reinforcement lapped at all angles and junctions (measured nett)	no	1,00		
PSB 8		Ref. C2 in one brick walls	m	1,00		
		Building In				
PSB 9		Set up in position, cross brace and build in pressed steel door frame not exceeding 5 square metres.	no	1,00		
PSB 10		Set up in position, cross brace and build in roller shutter doors.	no	1,00		
PSB 11	Ditto steel louvres	no	1,00			
PSB 12	Set up in position and build in steel window and frame not exceeding 5 square metres.	no	1,00			
	Damp Proofing					
PSB 13	One layer of three ply bituminous felt sheeting laid on walls, lapped and sealed at all angles and junctions on and including a bed of mortar trowelled smooth (measured nett).	m2	1,00			
PSB 14	Ditto laid under cills including dressing as required (ditto)	m2	1,00			
TOTAL CARRIED FORWARD						

CONTRACT NO.: 8/2/2/411 (2024 -2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK SUPPLY LINE FOR MIDVAAL LOCAL MUNICIPALITY ON AN AS AND WHEN REQUIRED BASIS FROM DATE OF APPOINTMENT

SUMMARY TO SCHEDULE OF QUANTITIES

SECTION	DESCRIPTION	AMOUNT (RAND)
A	Preliminary and General	
C	Site Clearance	
D	Earthworks	
DB	Earthworks (Pipe Trenches)	
DK	Gabions	
GA	Concrete : Small Works	
L	Medium Pressure Pipelines	
G	Reinforced Concrete	
LB	Bedding	
LC	CABLE DUCTS	
LF	Water Erf Connection	
LG	Pipe Jacking and Boring	
PSB	PUMP STATION BUILDING	
Total Carried Forward to Summary of Schedules		

N.B.

1. THREE YEARS FINANCIAL STATEMENTS MUST SUBMITTED WITH THIS BID
2. THE ESTIMATED QUANTITIES IN THIS BILL OF QUATINTIES ARE FOR EVALUATION PURPOSE ONLY
3. IT IS THE INTENTION OF THE EMM TO APPOINT A MINIMUM OF FOUR CONTRACTORS. EMM RESERVES THE RIGHT TO OFFER RATES TO BIDDERS WHOSE RATES EXCEED THAT OF THE HIGHEST SCORING BIDDER
- 4.ALL ITEMS IN THE BILL OF QUANTITIES MUST BE PRICED AS PER THE PRICING INSTRUCTIONS

BIDDING ENTITY:

ADDRESS:

AUTHORISED SIGNATORY:

CAPACITY OF SIGNATORY:

SIGNATURE:

DATE:

C2.3 CSUMMARY OF BILL OF QUANTITIES

SUMMARY TO SCHEDULE OF QUANTITIES

SECTION	DESCRIPTION	AMOUNT (RAND)
A	Preliminary and General	
C	Site Clearance	
D	Earthworks	
DB	Earthworks (Pipe Trenches)	
DK	Gabions	
GA	Concrete : Small Works	
L	Medium Pressure Pipelines	
G	Reinforced Concrete	
LB	Bedding	
LC	CABLE DUCTS	
LF	Water Erf Connection	
LG	Pipe Jacking and Boring	
PSB	PUMP STATION BUILDING	
Total Carried Forward to Summary of Schedules		



MIDVAAL LOCAL MUNICIPALITY

CONTRACT NUMBER: 8/2/2/411 (2024-2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK WATER SUPPLY PIPELINE IN MIDVAAL LOCAL MUNICIPALITY ON AS AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD UNTIL 30 JUNE 2027

C2.4 CALCULATION OF TENDER SUM

TOTAL SCHEDULE R

TENDER (CONTRACT) SUM (A) R

SUB-TOTAL (B) R

ADD 15% VAT FOR (B) R

TENDER (CONTRACT) PRICE CARRIED TO FORM OF OFFER
OF ACCEPTANCE R

Note: Tender Sum is the value of the offered total of the prices inclusive of VAT.



MIDVAAL LOCAL MUNICIPALITY

CONTRACT NUMBER: 8/2/2/411 (2024-2027)

BID TO APPOINT A SERVICE PROVIDER FOR THE CONSTRUCTION OF BULK WATER SUPPLY PIPELINE IN MIDVAAL LOCAL MUNICIPALITY ON AS AND WHEN REQUIRED BASIS FROM THE DATE OF AWARD UNTIL 30 JUNE 2027

C3 SCOPE OF WORKS

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STATUS

In the event of any discrepancy between the Scope of Works and a part or parts of the SABS 1200 Standardized Specifications, the Bill of Quantities or the Drawings, the Project Specifications shall take precedence and prevail in the Contract.

C3.1 DESCRIPTION OF THE WORKS

C3.1.1 EMPLOYER'S OBJECTIVES

The Employer's main objective is to provide a steady and sustainable supply of clean potable water within its area of jurisdiction. The Employer is currently implementing a water scheme that will resolve water supply problems experienced in the Midvaal Local Municipality.

C3.1.2 OVERVIEW OF THE WORKS

The overall scope of work involves the construction of bulk water supply pipeline(s) with various diameters and connecting to the existing pipelines.

C3.1.3 EXTENT OF WORKS

The project entails but not limited to the following:

- The construction of the water meter chambers, air valve chambers and scour valve chamber.
- Construction of manhole chambers to required standards.
- Conduct environmental control.
- Reinstatement of roads where installation will occur under road surfaces;
- Conduct geotechnical studies.
- Accommodation of traffic.
- Installation of pipe markers
- Pipe jacking
- Reinstatement of existing services

This description of the Works is not necessarily complete and shall not limit the work to be carried out by the Contractor under this Contract.

C3.1.4 LOCATION OF THE WORKS

The project is situated in the central and other regions of Midvaal Local Municipality.

C3.1.5 TEMPORARY WORKS

The contractor is to make allowance for accommodation of traffic in accordance with the South African Road Traffic Signs Manual and the drawings contained in this document.

The contractor is to ensure that he obtains the necessary wayleaves and departmental approvals prior to commencing with any works within a road reserve or on public property.

C3.2 ENGINEERING

C3.2.1 DESIGN

- (a) The Engineer is responsible for the design of the permanent Works as reflected in the Contract Documents unless otherwise stated.
- (b) The Contractor is responsible for the design of the temporary Works and their compatibility with the permanent Works.
- (c) The Contractor shall supply all details necessary to assist the Engineer in the compilation of the as-built drawings.

C3.2.2 EMPLOYER'S DESIGN

The end user design is as detailed in the documentation and on the drawings to be provided.

C3.2.3 CONTRACTOR'S DESIGN

- (a) The Contractor is responsible for the design of the permanent Works as reflected in the Contract Documents and to be clarified in the letter of acceptance unless otherwise stated. Designs shall be reviewed by the Engineer and approved by the Employer. Professional liability for the designs remains with the contractor's design engineer. It is required that the contractor's design engineer be professionally registered with the Engineering Council of South Africa (ESCA) and that he certify all drawings issued for construction.
- (b) The Contractor is responsible for the design of the temporary Works and their compatibility with the permanent Works.
- (c) The Contractor shall compile the as-built drawings which will be certified by the professionally registered engineer.

Where contractor is to supply the design of designated parts of the permanent Works or temporary Works he shall supply full working drawings supported by a professional engineer's design certificate.

C3.2.4 DRAWINGS

The Contractor shall use **only** the dimensions stated in figures on the Drawings in setting out the Works, and dimensions shall not be scaled from the Drawings, unless required by the Engineer. The Engineer will, on the request of the Contractor in accordance with the provisions of the Conditions of Contract, provide such dimensions as may have been omitted from the Drawings.

The Contractor shall ensure that accurate as-built records are kept of all infrastructure installed or relocated during the contract. The position of pipe bends, junction boxes, duct ends and all other underground infrastructure shall be given by either co-ordinates, or stake value and offset. Where necessary, levels shall also be given.

A marked-up set of drawings shall also be kept and updated by the Contractor. This information shall be supplied to the Engineer's Representative on a regular basis.

All information in possession of the Contractor, required by the Engineer and/or the Engineer's Representative to complete the as-built/record drawings, must be submitted to the Engineer's Representative before a Certificate of Completion will be issued.

C3.2.5 DESIGN PROCEDURES

The following design procedure (not in any order) must be following:

- Wayleaves will need to be obtained from relevant authorities by the Contractor before any construction work can commence
- Pressure tests to be done
- Existing Services must be located and shown on the drawings
- Design Engineer to produce drawings for Engineer/employers approval
- Environmental and safety considerations
- Any temporary works requirements, in order to protect the works as well as person and property that will be affected by the construction activities.
- All designs and modifications thereto shall be communicated in writing and the contractor and engineer shall maintain lists to record and track all transactions.

C3.3 PROCUREMENT

C3.3.1 PREFERENTIAL PROCUREMENT

C3.3.1.1 Requirements

Refer to Form T.2.1 (MBD4, MBD5, MBD6.1, MBD8, MBD9)

C3.3.1.2 Resource standard pertaining to targeted procurement

C3.3.2 SUBCONTRACTING

C3.3.2.1 Scope of mandatory subcontract works

All matters pertaining to sub-contractors (including nominated sub-contractors) and the works executed by them shall be dealt with directly between the engineer and the contractor in the context of all sub-contractor's work being integral part of the works for the contractor is responsible. The engineer will neither liaise directly with any subcontractors nor issue instructions concerning the sub-contractor's works directly with any sub-contractor. All matters arising out of the sub-contractor agreements shall be dealt between the contractor and the sub-contractor and the engineer will become involved.

C3.3.2.2 Preferred subcontractors/suppliers

Preferably MIDVAAL LOCAL MUNICIPALITY (MLM) based.

C3.3.2.3 Subcontracting procedures

Not applicable

C3.3.2.4 Attendance on subcontractors

Not applicable

C3.4 CONSTRUCTION

C3.4.1 WORKS SPECIFICATIONS

C3.4.1.1 Applicable SANS 1200 Standardized Specifications

The following SANS 1200 Standardized Specifications for civil engineering construction are applicable:

SANS 1200 A	:	General (1986)
SANS 1200 C	:	Site clearance (1980)
SANS 1200 D	:	Earthworks (1988)
SANS 1200 DA	:	Earthworks (Small Works)
SANS 1200 DB	:	Earthworks (Pipe Trenches) (1989)
SANS 1200 DK	:	Gabions and Pitching
SANS 1200 DM	:	Earthworks (Roads, Subgrade) (1981)
SANS 1200 G	:	Concrete (Structures) (1982)
SANS 1200 GA	:	Concrete (Small Works)
SANS 1200 GF	:	Prestressed Concrete (1984)
SANS 1200HA	:	Structural Steelwork (Sundry Items) (1990)
SANS 1200 L	:	Medium-Pressure Pipelines (1983)
SANS 1200 LB	:	Bedding (Pipes) (1983)
SANS 1200 LE	:	Stormwater Drainage (1982)
SANS 1200 M	:	Roads (General) (1996)
SANS 1200 ME	:	Subbase (1981)
SANS 1200 MF	:	Base (1981)
SANS 1200 MH	:	Asphalt Base and Surfacing (1996)
SANS 1200 MJ	:	Segmented Paving (1984)
SANS 1200 MK	:	Kerbing and Channelling (1983)

The term "project specification" must be replaced by "scope of works" wherever it appears in these standardized specifications.

C3.4.1.2 Variations and Additions to the SANS 1200 Standard Specifications

Variations and additions to the following SANS 1200 Standardized Specifications listed in C3.4.1 are given in section C3.4.6

C3.4.2 SITE ESTABLISHMENT

C3.4.2.1 Services and facilities provided by the Employer

(a) Water sources

A reticulated potable water supply is available in the vicinity of the Site.

The responsible water supply authority in the area of the Site is MIDVAAL LOCAL MUNICIPALITY :
25 Mitchell Street, Meyerton, 1960.

Should the Contractor, in complying with his obligations in terms of subclause C3.4.2.2(b): Water, wish to utilise such water supply, he shall himself be responsible for making his own arrangements with the responsible water supply authority for the supply of all water that he may require from such reticulation network for construction purposes as well as for domestic consumption.

If so required by the responsible water supply authority, the Contractor shall further be responsible, at his own cost, for making or otherwise providing metered connections to the available services at the positions specified by the water authority, as well as for the removal of such connections on completion of the Contract.

No warranty is offered or given by the Employer that the existing available reticulated water supply will necessarily be adequate for the Contractor's purposes nor that such supply is in any way guaranteed.

All charges as may be levied by the responsible water supply authority in respect of water consumed by the Contractor shall be for the Contractor's account and payment to the Contractor in respect thereof shall, in accordance with the provisions of subclause C3.4.2.2(b), be deemed to be included in the sums bid by the Contractor for the various Preliminary and General items listed in the Schedule of Quantities, as well as in the rates bid by the Contractor for the various other items listed in the Schedule of Quantities which require the consumption of water.

The Contractor shall, when reasonably required by the Engineer, produce documentary proof that all amounts as may have become due and payable by the Contractor to the responsible water authority have been promptly paid in full.

(b) Electricity supply

A reticulated electrical power supply is available in the vicinity of the Site.

The responsible electricity supply authority in the area of the Site is Midvaal Local Municipality.

Should the Contractor, in complying with his obligations in terms of subclause **C3.4.2.2(c): Electricity**, wish to avail himself of such supply, he shall, in accordance with the provisions of subclause **C3.4.2.2(c)**, and at his own cost, be responsible for making his own arrangements with the responsible electricity supply authority for the supply of all electrical power he may require from such reticulation network for construction purposes as well as for domestic consumption.

If so required by the responsible electricity supply authority, the Contractor shall further be responsible, at his own cost, for making or otherwise providing metered connections to the available services at the positions specified by the Electrical

authority, as well as for the removal of such connections on completion of the Contract.

No warranty is offered or given by the Employer that the existing available reticulated water supply will necessarily be adequate for the Contractor's purposes nor that such supply is in any way guaranteed.

All charges as may be levied by the responsible water supply authority in respect of water consumed by the Contractor shall be for the Contractor's account and payment to the Contractor in respect thereof shall, in accordance with the provisions of subclause C3.4.2.2(b), be deemed to be included in the sums bid by the Contractor for the various Preliminary and General items listed in the Schedule of Quantities, as well as in the rates bid by the Contractor for the various other items listed in the Schedule of Quantities which require the consumption of water.

The Contractor shall, when reasonably required by the Engineer, produce documentary proof that all amounts as may have become due and payable by the Contractor to the responsible water authority have been promptly paid in full.

(c) Excrement disposal

The Contractor shall make use of Flushable Chemical Toilets or better. All changes for the maintenance and cleaning of the facilities shall be borne by the Contractor and shall be deemed to be included in the sums bid by the Contractor for the Various Preliminary and General items listed in the Bill of Quantities.

(d) Area for contractor's site establishment

The Contractor shall make his own arrangements with the owners of other sites which he considers are better suited to his needs, provided always that the use by Contractor of any area other than that made available to him by the Employer shall be subject to the prior written approval of the Engineer, which approval shall not be unreasonably withheld; and provided further that the Contractor shall have no claim against the Employer in respect of any costs incurred by him, either directly or indirectly in consequence of utilising any area other than that made available to him by Employer, and which costs exceed those costs allowed for by the Contractor in his Bid.

C3.4.2.2 Facilities provided by the Contractor

(a) Facilities for the Engineer

The contractor shall provide on the site for the duration of the contract and for the exclusive use of the Engineer and/or his Representative (as applicable), the various facilities described hereunder. All such facilities shall be provided any facility required in terms of this specification shall constitute grounds for the Engineer to withhold payment of the contractor's bidded Preliminary and General items until the facility has been provided or restored as the case may be.

(i) Office Accommodation

The Contractor shall provide on the Site *one (1)* office for the exclusive use of the Engineer. Such office(s) shall comply with and be furnished in accordance with the requirements of subclause 3.2 of SANS 1200 AB. The Contractor shall maintain the office(s) in accordance with the requirements of sub clause 5.2 of SANS 1200 AB.

Such office accommodation shall be provided within the Contractor's site establishment facilities.

(ii) Carports

The Contractor shall provide on Site for the duration of the contract, two (2) carport for the use of the Engineer and his staff. Each carport shall be constructed so that the vehicle parked under it is always protected against the direct rays of the sun. The carport area shall be at least 20m² and the floor shall be covered with a layer of crushed stone to alleviate and muddy conditions. The carport(s) shall be positioned so as to provide easy and convenient access to the Engineer's office.

(iii) Site meeting venue

The Contractor shall provide within his own site establishment facilities, a suitably furnished office or other venue capable of comfortably accommodating a minimum of **ten** (10) persons at site meetings. The Engineer shall be allowed free use of such venue for conducting any other meetings concerning the Contract at all reasonable times.

(iv) Contract nameboards

The Contractor shall provide, erect and maintain two (2) contract name boards at such position and location directed by the Engineer, which nameboards shall, unless otherwise specified elsewhere in the contract, comply with the recommendations for the standard board of the South African Association of the Consulting Engineers, with regard to size, painting, decorating and detail, and the requirements described hereunder.

Each nameboards shall be made of tempered hardboard with a thickness of at least 12mm, so braced on the reverse side as to prevent warping and shall be mounted on two or more, as necessary, firmly planted poles. The painting of the boards shall comply with the relevant requirement of CKS 193 and colours of the paints shall be an acceptable match to the applicable colours given in SANS 1091.

The Contractor shall keep the contract name boards in good state of repair for the duration of the Contract and shall remove them on completion of the Contract.

(v) Survey equipment and assistants

- Survey equipment

The contractor shall, for the duration of the contract, provide the following survey equipment for the exclusive use of the engineer.

- 1 upright reading automatic level with tripod;
- 1 metric levelling staff with protective cover bag;
- 6 ranging rods;
- 1 100 metre Stilon tape measures;
- 1 ± kg hammer

Whenever reasonably required by the Engineer, the Contractor shall make available to the Engineer or his representative, the following additional survey equipment:

- 1 tachometer with tripod
- 1 survey staff for tachometer
- 1 Distomat, complete with tripod and fully charged battery

All such survey equipment provided by the Contractor shall be in good condition, properly calibrated and fit for the purpose and shall be kept fully serviceable at all time by the Contractor at his own cost. The Contractor shall have any defective equipment repaired or replaced at his own within 12 hours after notification by the Engineer's staff.

Where required by the Engineer, the Contractor shall at his own cost promptly arrange for the recalibration of survey equipment provided.

(vi) Telephone facilities

- Cellphones

The Contractor shall provide two (2) cellphones and associated service contracts from a reputable cellular service provider. The Contractor shall further insure the cellphones against loss or damage from whatever cause arising, and shall ensure that all cellphone accounts are promptly paid on the due dates for payment. The Contractor shall further, at his own costs, ensure that prompt repair of all cellphones provided under this clause, when reasonably required by the Engineer.

The Contractor shall, on production of an itemised statement, be reimbursed only the cost of the Engineer's cellphone calls.

(vii) Computer Facilities

The Contractor shall, for the duration of the Contract, provide the computer equipment together with the software specified hereunder, for the exclusive use of the Engineer and his staff:

- 1 computer
- 1 printer

The computer shall comply with the following minimum specifications:

- 1.8GB Dual Core – Laptop with 3G Cards
- 1GB RAM
- 120 GB hard disk
- 101 type keyboard
- 14"SVGA colour monitor
- Three-button mouse with mouse pad
- E220 modem

Printers shall, unless otherwise approved by the Engineer, be any Laserjet HP Printer or equivalent compatible

All computer software shall be properly installed on the computer, and the original licence agreements and disks shall be provided to the Engineer for safekeeping:

The following software shall be properly installed on the computer, and the original licence agreements and disks shall be provided to the Engineer for safekeeping:

(a) Windows 11

(b) Microsoft business 365 standard

All computer equipment provided shall be kept fully serviceable at all times by the Contractor. The Contractor shall have any defective equipment repaired or replaced at his own cost within 12 hours after notification by the Engineer's staff.

The Contractor shall further provide at his own costs, all paper and black ink cartridges and other consumables reasonably required by the Engineer.

(ix) Electricity supply for the Engineer

All electricity supply to the Engineer's office(s) and laboratory (if applicable), whether provided by the Contractor by way of a reticulated supply from a local authority or other authorised electricity supply, or by way of on-site generators, shall be regulated by the Contractor to within limits such as to prevent damage due to fluctuations in the electrical current supply that may occur to any electrical plant and equipment provided by the Contractor or the Engineer.

The Contractor shall be liable for and pay to the Engineer on demand, all costs that the Engineer may incur in the repair or replacement of any electrical equipment provided by the Engineer on Site. Reliance by the Contractor on the regulation of the electrical supply by the supplier or on current regulators fitted to generators shall not absolve the Contractor of his liabilities in terms of this Sub-clause and, where appropriate, the Contractor shall provide and install at his own cost, all such electrical current-regulating equipment as is necessary to prevent damage to the said equipment.

(x) Site instruction book

The Contractor shall always keep a triplicate book for site instructions on the Site.

(b) Water

The Contractor shall, at his own expense, be responsible for obtaining and providing all water as may be required for the purposes of executing the Contract, including water for both construction purposes and domestic use, as well as for making all arrangements in connection therewith. The Contractor shall further, at his own expense, be responsible for providing all necessities for procuring, storing, transporting and applying water required for the execution of the Contract, including but not limited to all piping, valves, tanks, pumps, meters and other plant and equipment, as well as for all work and superintendence associated therewith.

The sources of all water utilised for the purposes of the Contract shall be subject to the prior approval of the Engineer, which approval shall not be unreasonably withheld.

The Contractor shall comply with all prevailing legislation in respect of drawing water from natural and other sources and shall, when required by the Engineer, produce proof of such compliance. The distribution of water shall be carried out by the Contractor strictly in accordance with the applicable laws and regulations.

All water provided by the Contractor for construction purposes shall be clean, free from undesirable concentrations of deleterious salts and other materials and shall comply with any further relevant specifications of the Contract. The Contractor shall, whenever reasonably required by the Engineer, produce test results demonstrating such compliance. Water provided by the Contractor for human consumption shall

be healthy and portable to the satisfaction of the health authorities in the area of the Site.

No separate payment will be made to the Contractor for the obtainment, distribution and consumption of water, the costs of which will be deemed to be included in the Contractor's bidden rates.

(c) Electricity

The Contractor shall, at his own expense, be responsible for obtaining and providing all electricity as he may require for the purposes of executing the Contract, including electricity for both construction purposes and domestic use, as well as for making all arrangements in connection therewith.

The distribution of electricity shall be carried out by the Contractor strictly in accordance with the applicable laws and regulations.

No separate payment will be made to the Contractor for the obtainment, distribution and consumption of electricity, the costs of which will be deemed to be in the Contractor's bidden rates and prices.

(d) Excrement disposal

The Contractor shall, at his own expense, be responsible for safely and hygienically dealing with and disposing of all human excrement and similar matter generated on the Site during the course of the Contract, to the satisfaction of the responsible health authorities in the area of the Site and the Engineer. All such excrement shall be removed from the Site and shall not be disposed of by the Contractor on the Site.

The Contractor shall further comply with any other requirements in this regard as may be stated in the Contract.

No separate payment will be made to the Contractor in respect of discharging his obligations in terms of this subclause and the costs thereof shall be deemed to be included within the Contractor's bidden Preliminary and General items.

C3.4.2.3 Site Usage

The site shall only be used for the construction of the works.

C3.4.2.4 Permits and wayleaves

The Consultant shall be responsible to obtain all the wayleave required for this Contract.

C3.4.2.5 Features requiring special attention

(a) Site maintenance

During progress of the work and upon completion thereof, the Site of the Works shall be kept and left in a clean and orderly condition. The Contractor shall store materials and equipment for which he is responsible in an orderly manner, and shall keep the Site free from debris and obstructions.

(b) Testing and quality control

(l) CONTRACTOR TO ENGAGE SERVICES OF AN INDEPENDENT LABORATORY

Notwithstanding the requirements of the Specifications pertaining to testing and quality control, the Contractor shall engage the services of an approved independent laboratory to undertake all testing of materials, the results of which are specified in, or may reasonably be inferred from, the Contract. These results will be taken into consideration by the Engineer in deciding whether the quality of materials utilised and workmanship achieved by the Contractor comply with the requirements of the Specifications. The foregoing shall apply irrespective of whether the specifications indicate that the said testing is to be carried out by the Engineer or by the Contractor.

The Contractor shall be responsible for arranging with the independent testing laboratory for the timeous carrying out of all such testing specified in the Contract, at not less than the frequencies and in the manner specified. The Contractor shall promptly provide the Engineer with copies of the results of all such testing carried out by the independent laboratory.

For the purposes of this clause, an "independent laboratory" shall mean an "approved laboratory" which is not under the management or control of the Contractor and in which the Contractor has no financial interest, nor which has any control or financial interest in the Contractor.

(II) **ADDITIONAL TESTING REQUIRED BY THE ENGINEER**

In addition to the provisions of subclause C3.4.2.5(b)(i): Contractor to engage services of an independent laboratory, the Engineer shall be entitled at times during the Contract to require that the Contractor arrange with the independent laboratory to carry out any such tests, additional to those described in subclause C3.4.2.5(b)(i), at such times and at such locations in the Works as the Engineer shall prescribe. The Contractor shall promptly and without delay arrange with the independent laboratory for carrying out all such additional testing as required by the Engineer, and copies of the test results shall be promptly submitted to the Engineer.

(III) **COSTS OF TESTING**

(a) Tests in terms of subclause C3.4.2.5(b)li

The costs of all testing carried out by the independent laboratory in accordance with the requirements of subclause C3.4.2.5(b)(i), above shall be borne by the Contractor and shall be deemed to be included in the bidden rates and prices for the respective items of work as listed in the Schedule of Quantities and which require testing in terms of the Specifications. No separate payments will be made by the Employer to the Contractor in respect of any testing carried out in terms of subclause C3.4.2.5(b)(1),

Where, as a result of the consistency of the materials varying or as a result of failure to meet the required specifications for the work, it becomes necessary to carry out additional tests (eg re-tests on rectified work and/or replacement materials), the costs of such additional testing shall be for the Contractor's account.

(c) Additional tests required by the Engineer

The costs of any additional tests required by the Engineer in terms of subclause C3.4.2.5(b)(i): Additional testing required by the Engineer, shall be reimbursed to the Contractor against substitution of the Provisional Sum allowed therefore in the

Schedule of Quantities; provided always that the costs of any such additional tests ordered by the Engineer, the results of which indicate that the quality of the materials utilised and/or the standard of workmanship achieved are/is not in accordance with the specifications, shall not be reimbursable to the Contractor.

(d) Subcontractors

All matters pertaining to subcontractors (including Nominated Subcontractors) and the work executed by them shall be dealt with directly between the Engineer and the Contractor in the context of all subcontract work being an integral part of the Works for which the Contractor is responsible.

The Engineer will not liaise directly with any subcontractors nor will he issue instructions concerning the subcontract works directly to any subcontractor.

All matters arising from the subcontract agreements shall be dealt with directly between the Contractor and the subcontractors and the Engineer will not become involved.

(e) Opening up and closing down of designated borrow pits

Measurement and payment for opening up and closing down designated borrow pits, including removing and stockpiling overburden and restoring the Site, shall be made under item 8.3.4 of SANS 1200 D. This item applies to all borrow material required under this Contract.

The requirements of subclause 5.2.2.2 of SANS 1200 D regarding the opening up, maintenance and closing down of borrow pits shall be adhered to.

(f) **Access to properties**

The Contractor shall organise the work to cause the least possible inconvenience to the public and to the property owners adjacent to or affected by the work, and except as hereunder provided, shall at all times provide and allow pedestrian and vehicular access to properties within or adjoining or affected by the area in which he is working. In this respect the Contractors attention is drawn to Clause 17.1 of the Conditions of Contract,

If, as a result of restricted road reserve widths and the nature of the work, the construction of bypasses is not feasible, construction shall be carried out under traffic conditions to provide access to erven and properties.

Notwithstanding the foregoing, the Contractor may, with the prior approval of the Engineer (which approval shall not be unreasonably withheld), make arrangements with and obtain the acceptance of the occupiers of erven and properties to close off part of a street, road, footpath or entrance temporarily, provided that the Contractor duly notifies the occupiers of the intended closure and its probable duration, and reopens the route as punctually as possible. Where possible, such streets, roads, footpaths and entrances shall be made safe and reopened to traffic overnight. Such closure shall not absolve the Contractor from his obligations under the Contract to provide access at all

times. Barricades, traffic signs, drums and other safety measures appropriate to the circumstances shall be provided by the Contractor to suit the specific conditions.

(g) Existing residential areas

Electricity and water supply interruptions in existing residential areas shall be kept to a minimum. The Engineer's approval shall be obtained prior to such interruptions and residents shall be notified in writing at least 24 hours but not more than 48 hours in advance. Supplies shall be normalised by 16:00 on the same day.

(h) Labour-intensive competencies of supervisory and management staff

Contractor having a CIDB contractor grading designation of 6CEPE/7CE or higher shall only engage supervisory and management staff in labour intensive works who have either completed, or for the period 1 April 2004 to 30 June 2006, are registered for training towards, the skills programme outlined in Table 1.

The managing **principal of the contractor**, namely, a sole proprietor, the senior partner, the managing director or managing member of a close corporation, as relevant, having a contractor grading designation of 1CE, 2CE, 3CE and 4CE shall have personally completed, or for the period 1 April 2004 to 30 June 2006 be registered on a skills programme for the NQF level 2. All other site supervisory staff in the employ of such contractors must have completed, or for the period 1 April 2004 to 30 June 2006 be registered on a skills programme, for the NQF level 2 unit standards or NQF level 4 unit standards.

Table 1: Skills programme for supervisory and management staff

Personnel	NQF level	Unit standard titles	Skills programme description
Team leader / supervisor	2	Apply Labour-intensive Construction systems and Techniques to Work Activities	This unit standard must be completed, and
		Use Labour-intensive Construction Methods to Construct and Maintain roads and Stormwater Drainage	one of these 3 unit standards be used
		Use Labour -intensive Construction Methods to Construct and Maintain Water and Sanitation Services	
		Use Labour-intensive Construction methods to Construct, Repair and Maintain Structures	
Foreman / supervisor	3	Implement Labour-intensive Construction systems and Techniques	This unit standard must be completed, and

Personnel	NQF level	Unit standard titles	Skills programme description
		Use Labour-intensive Construction Methods to Construct and Maintain Roads and Stormwater Drainage Use Labour-intensive Construction Methods to Construct and Maintain Water and Sanitation Services Use Labour-Intensive Construction Methods to Construct, Repair and Maintain Structures	any one of these 3 unit standards be used
Site Agent / Manager (ie the contractor's most senior representative who is resident on the site)	7	Manage Labour-intensive Construction Processes	Skills Programme against this single unit standard

(i) Employment of unskilled and semi-skilled workers in labor-intensive works

(i) REQUIREMENTS FOR THE SOURCING AND ENGAGEMENT OF LABOUR

- (1) Unskilled and semi-skilled labour required for the execution of all labour-intensive works shall be engaged strictly in accordance with prevailing legislation and SANS 1914-5, Participation of Targeted Labour
- (2) The rate of pay shall be as per sectoral guidelines.
- (3) Tasks established by the contractor must be such that:
 - (aa) the average worker completes 5 tasks per week in 40 hours or less; and
 - (bb) the weakest worker completes 5 tasks per week in 55 hours or less.
- (4) The Contractor must revise the time taken to complete a task whenever it is established that the time taken to complete a weekly task is not within the requirements.
- (5) The Contractor shall, through all available community structures, inform the local community of the labour-intensive works and the employment opportunities presented thereby. Preference must be given to people with previous practical experience in construction and/or who come from households:
 - (aa) where the head of the household has less than a primary school education;
 - (bb) that have less than one full-time person earning an income;

(cc) where subsistence agriculture is the source of income;
(dd) those who are not in receipt of any social security pension income.

- (6) The contractor must provide monthly statistics to the MLM indicating the number of new jobs created through this contract. This statistic must be provided with each monthly payment certificate using Councils electronic prescribed format, which will be provided by the Project Manager of this project to the successful bidder.**

(ii) SPECIFIC PROVISIONS PERTAINING TO SANS 1914-5

(1) Definition

Targeted labour: Unemployed persons who are employed as local labour on the project.

(2) Contract participation goals

(aa) There is no specified contract participation goal for the contract. The contract participation goal shall be measured in the performance of the contract to enable the employment provided to targeted labour to be quantified.

(bb) The wages and allowances used to calculate the contract participation goal shall, with respect to both time-rated and task-rated workers, comprise all wages paid and any training allowance paid in respect of agreed training programmes.

(3) Terms and Conditions for the engagement of target labour

Further to the provisions of clause 3.3.2 of SANS 1914-5, written contracts shall be entered into with targeted labour.

(4) Variations to SANS 1914-5

(aa) The definition for net amount shall be amended as follows: Financial value of the contract upon completion, exclusive of any value-added tax or sales tax which the law requires the employer to pay the contractor.

(iii) TRAINING OF TARGETED LABOUR

- (1) The Contractor shall provide all the necessary on-the-job training to targeted labour to enable such labour to master the basic work techniques required to undertake the work in accordance with the requirements of the contract in a manner that does not compromise worker health and safety.
- (2) The cost of the formal training of targeted labour, will be funded by the MLM. This training will take place as close to the project site as practically possible.
- (3) The contractor shall be responsible for scheduling the training of workers and shall take all reasonable steps to ensure that each beneficiary is provided with a minimum of six (6) days of formal

training if he/she is employed for 3 months or less and a minimum of ten (10) days if he/she is employed for 4 months or more.

- (4) The Contractor shall do nothing to dissuade targeted labour from participating in training programmes.
- (5) An allowance equal to 100% of the task rate or daily rate shall be paid by the Contractor to workers who attend formal training.

(j) Employment of local labour

It is the intention that this Contract should make maximum use of the local labour force that is presently underemployed. To this end the Contractor shall limit the utilisation on the Contract of non-local employees to that of key personnel only and to employ and train local labour to the extent necessary for the execution and completion of this Contract.

The Contractor shall fill in the form entitled Key Personnel in the Forms to be completed by the Bidder. The data stated on the above-mentioned form will be strictly monitored during the Contract period and any deviations therefrom shall be subject to the prior approval of the Engineer, which approval shall not be unreasonably withheld.

The employment of casual labour will be done in co-operation with community leaders and local structures. The bidder shall ensure that all remuneration paid to employees is in line with the relevant sectorial determination in terms of the Basic Conditions of Employment Act, No 75 of 1997, as determined by the Department of Labour.

(k) Monthly statements and payment certificates

The statement to be submitted by the Contractor in terms of Clause 49 of the Conditions of Contract shall be prepared by the Contractor at his own cost, strictly in accordance with the standard payment certificate prescribed by the Engineer, in digital electronic computer format. The Contractor shall, together with a copy of the digital electronic computer file of the statement, submit two (2) **A4** size paper copies of the statement.

For the purposes of the Engineers payment certificate, the Contractor shall subsequently be responsible, at his own cost, for making such adjustments to his statement as may be required by the Engineer for the purposes of accurately reflecting the actual quantities and amounts which the Engineer deems to be due and payable to the Contractor in the payment certificate.

The Contractor shall, at his own cost, make the said adjustments to the statement and return it to the Engineer within three (3) normal workings days from the date on which the Engineer communicated to the Contractor the adjustments required. The Contractor shall submit to the Engineer five (5) sets of A4 size paper copies of such adjusted statement, together with a copy of the electronic digital computer **file** thereof.

Any delay by the Contractor in making the said adjustments and submitting to the Engineer the requisite copies of the adjusted statement for the purposes of the Engineers payment certificate will be added to the times allowed to the Engineer in terms of Subclause 49.4 of the Conditions of Contract to submit the signed payment certificate to the Employer and the Contractor. Any such delay will also be added to the period in which the Employer is required to make payment to the Contractor.

(l) Construction in restricted areas

Working space is sometimes restricted. The construction method used in these restricted areas largely depends on the Contractor's Plant. Notwithstanding, measurement and payment will be strictly according to the specified cross-sections and dimensions irrespective of the method used, and the rates and prices bid will be deemed to include full compensation for any difficulties encountered by the Contractor while working in restricted areas. No extra payment nor any claim for payment due to these difficulties will be considered.

(m) Notices, signs, barricades and advertisements

All notices, signs and barricades, as well as advertisements, may be used only if approved by the Engineer. The Contractor shall be responsible for their supply, erection, maintenance and ultimate removal and shall make provision for this in his bid rates.

The Engineer shall have the right to instruct the Contractor to move any sign, notice or advertisement to another position, or to remove it from the Site of the Works if in his opinion it is unsatisfactory, inconvenient or dangerous.

(n) Workmanship and Quality Control

The onus to produce work that conforms in quality and accuracy of detail to the requirements of the Specifications and Drawings rests with the Contractor, and the Contractor shall, at his own expense, institute a quality control system and provide suitably qualified and experienced engineers, foremen, surveyors, materials technicians, other technicians and technical staff, together with all transport, instruments and equipment to ensure adequate supervision and positive control of the Works at all times.

The cost of supervision and process control, including testing carried out by the Contractor, will be deemed to be included in the rates bid for the related items of work.

The Contractor's attention is drawn to the provisions of the various Standardized Specifications regarding the minimum frequency of testing required. The Contractor shall, at his own discretion, increase this frequency where necessary to ensure adequate control.

On completion and submission of every part of the work to the Engineer for examination and measurement, the Contractor shall furnish the Engineer with the results of the relevant tests, measurements and levels to demonstrate the achievement of compliance with the Specifications.

C3.4.2.6 Extension of time due to abnormal rainfall

- (a) Extension of time in respect of delays resulting from wet climatic conditions on the Site will only be considered in respect of abnormally wet climatic conditions and shall be determined for each calendar month or part thereof, in accordance with the formula given below

$$V = (N_w - N_n) + (R_w - R_n)/X$$

in which formula the symbols shall have the following meanings:

V = Potential extension of time in calendar days for the calendar month under consideration:

If V is negative and its absolute value exceeds N_n , then V shall be taken as equal to minus N_n .

When the value of V for any month exceeds the number of days in the particular month, V will be the number of days in the month.

N_w = Actual number of days in the calendar month under consideration on which a rainfall of Y mm or more was recorded on the Site

N_n = Average number of days, derived from existing records of rainfall in the region of the Site, on which a rainfall of Y mm or more was recorded for the calendar month.

R_w = Actual rainfall in mm recorded on the Site in an approved rain gauge for the calendar month under consideration

R_n = Average rainfall in mm for the calendar month, derived from existing records of rainfall in the region of the Site

The factor $(N_w - N_n)$ shall be deemed to be a fair allowance for variations from the average number of days during which the rainfall exceeds Y mm.

The factor $(R_w - R_n)/X$ shall be deemed to be a fair allowance for variations from the average number of days during which the rainfall did not exceed Y mm but wet conditions prevented or disrupted work.

- (b) The rainfall records at rainfall station number 10476/339] Johannesburg International Airport for the period January 2016 to December 2016 are reproduced in the accompanying table, and the monthly averages (R_n and N_n) for this period shall, for the purposes of this Contract be taken as normal and as the values to be substituted for R_n and N_n in the formula above. The values of X and Y shall be 20 and 10 respectively.

The potential extension of time V has been calculated for each month and year of the period concerned to indicate the possible effect of the rainfall formula. The values of V were obtained by applying the rainfall formula and using the actual rainfall figures and the calculated values of R_n and N_n indicated in the table.

- (c) The extent of any extension of time which may be granted to the Contractor in respect of wet climatic conditions (whether normal or abnormal) shall be determined as the algebraic sum of the "V" values for each month between the Commencement Date and the Due Completion Date of the Contract, calculated in accordance with subclause C3.4.2.6(a) above;

provided always that

- (i) rainfall occurring within the period of the Contractor's Christmas shut-down period shall not be taken into account in the calculation of the monthly "V" values;
- (ii) rainfall occurring during any period during which the Contractor was delayed due to reasons other than wet climatic conditions on the Site, and for which delay an extension of time is granted by the Engineer, shall not be taken into account in the calculation of the monthly values;
- (iii) if the algebraic sum of the "V" values for each month is negative, the time for completion will not be reduced on account of subnormal rainfall, and
- (iv) where rainfall is recorded only for part of a month, the "V" value shall be calculated for that part of the month using pro rata values for N_n and R_n ,

The Engineer shall, simultaneous with granting any extension of time in terms of this clause, revise the Due Completion Date of the Contract to reflect an extension of time having been granted in respect of wet climatic conditions, to the extent of the algebraic sum of all the "V" values for all the preceding months of the Contract, less the aggregate of the " N_n " values for the remaining (unexpired) months of the Contract (viz less aggregate of the potential maximum negative "V" values for the remaining Contract Period). Thus, provided that where such period is negative, the Due Completion Date shall not be revised.

Any extension of time in respect of wet climatic conditions granted in terms of this clause shall not be deemed to take into account delays experienced by the Contractor in repairing or reinstating damage to or physical loss of the Works arising from the occurrence of abnormal climatic conditions. Extension of time in respect of any such repairs or reinstatement regarding damage shall be the subject of a separate application for extension of time in accordance with the provisions of Clause 42 and Clause 48 of the Conditions of Contract.

and the monthly averages (Rn and Nn) for this period shall, for the purposes of this Contract be taken as normal and as the values to be substituted for Rn and Nn in the formula above. The values of X and Y shall be 20 and 10 respectively.

The potential extension of time V has been calculated for each month and year of the period concerned to indicate the possible effect of the rainfall formula. The values of V were obtained by applying the rainfall formula and using the actual rainfall figures and the calculated values of Rn and Nn indicated in the table.

- (c) The extent of any extension of time which may be granted to the Contractor in respect of wet climatic conditions (whether normal or abnormal) shall be determined as the algebraic sum of the "V" values for each month between the Commencement Date and the Due Completion Date of the Contract, calculated in accordance with subclause C3.4.2.6(a) above;

provided always that

- (v) rainfall occurring within the period of the Contractor's Christmas shut-down period shall not be taken into account in the calculation of the monthly "V" values;
- (vi) rainfall occurring during any period during which the Contractor was delayed due to reasons other than wet climatic conditions on the Site, and for which delay an extension of time is granted by the Engineer, shall not be taken into account in the calculation of the monthly values;
- (vii) if the algebraic sum of the "V" values for each month is negative, the time for completion will not be reduced on account of subnormal rainfall, and
- (viii) where rainfall is recorded only for part of a month, the "V" value shall be calculated for that part of the month using pro rata values for Nn and Rn,

The Engineer shall, simultaneous with granting any extension of time in terms of this clause, revise the Due Completion Date of the Contract to reflect an extension of time having been granted in respect of wet climatic conditions, to the extent of the algebraic sum of all the "V" values for all the preceding months of the Contract, less the aggregate of the "Nn" values for the remaining (unexpired) months of the Contract (viz less aggregate of the potential maximum negative "V" values for the remaining Contract Period). Thus, provided that where such period is negative, the Due Completion Date shall not be revised.

Any extension of time in respect of wet climatic conditions granted in terms of this clause shall not be deemed to take into account delays experienced by the Contractor in repairing or reinstating damage to or physical loss of the Works arising from the occurrence of abnormal climatic conditions. Extension of time in respect of any such repairs or reinstatement regarding damage shall be the subject of a separate application for extension of time in accordance with the provisions of Clause 42 and Clause 48 of the Conditions of Contract.

If no suitable rainfall records are available, the above formula will not apply.

Y = 10 mm/24 hour day

X = 20 mm

STATISTICAL INFORMATION - 2016: OR INTERNATIONAL AIRPORT ARS 26°23'38"S 27°35'49"E 1693 and Height: 960m)		
Month	RAINFALL	
	Nn = Actual number of days during the calendar months in which a rainfall of more than Y-mm has been received	Rn Average monthly rainfall
January	14	147.2
February	13	88.0
March	7	179.0
April	4	26.0
May	2	108.0
June	2	16.0
July	2	30.6
August	0	0.0
September	1	1.0
October	10	86.0
November	19	229.0
December	18	224.00
TOTAL	92	1134.8

C3.4.3 PLANT AND MATERIALS

C3.4.3.1 Plant and materials supplied by the employer The Employer shall not supply any plant or materials.

C3.4.3.2 Materials, samples and shop drawings

(a) Samples

Materials or work which do not conform to the approved samples submitted, will be rejected. The Engineer reserves the right to submit samples to tests to ensure that the material represented by the sample meets the specification requirements.

The costs of any such tests conducted by or on behalf of the Engineer, the results of which indicate that the samples provided by the Contractor do not conform to the requirements of the Contract, shall be for the Contractors account.

C3.4.4 CONSTRUCTION EQUIPMENT

C3.4.4.1 Requirements for equipment

The Contractors equipment shall be adequate to construct the works.

C3.4.4.2 Equipment provided by the employer

The Employer will not provide any equipment.

C3.4.5 EXISTING SERVICES

C3.4.5.1 Known services

All known services are indicated on the drawings. Exact positions cannot be guaranteed.

C3.4.5.2 Treatment of existing services

The Contractor shall ascertain and observe all conditions laid down by the relevant authorities for the execution of the work in the vicinity of their services.

C3.4.5.4 Damage to services

If any services are damaged during excavations, the relevant service provider and the Engineer shall be notified immediately. The contractor shall be responsible for all costs to repair damaged services.

C3.4.5.5 Reinstatement of services and structures damaged during construction

When the service provider does the permanent reinstatement, the cost involved shall be payable by the contractor. When the contractor does the permanent reinstatement, the method of reinstatement shall be approved by the services provider

C3.4.6**VARIATIONS AND ADDITIONS TO SANS 1200 STANDARDIZED SPECIFICATIONS AND PARTICULAR SPECIFICATIONS**

SANS 1200 A	:	General (1986)
SANS 1200 C	:	Site clearance (1980)
SANS 1200 D	:	Earthworks (1988)
SANS 1200 DB	:	Earthworks (pipe trenches) (1989)
SANS 1200 DM	:	Earthworks (Roads, Subgrade) (1981)
SANS 1200 G	:	Concrete (structural) (1982)
SANS 1200 GF	:	Prestressed concrete (1980)
SANS 1200 L	:	Medium-pressure pipelines (1983)
SANS 1200 LB	:	Bedding (pipes) (1983)
SANS 1200 LE	:	Stormwater drainage (1982)
SANS 1200 M	:	Roads (general) (1996)
SANS 1200 ME	:	Subbase (1981)
SANS 1200 MF	:	Base (1981)
SANS 1200 MJ	:	Segmented paving (1984)
SANS 1200 MK	:	Kerbing and channelling (1983)

The following variations and additions to the SANS 1200 Standardized Specifications referred to above apply to this Contract. The prefix PS indicates an amendment to SANS 1200. The letters and numbers following these prefixes respectively indicate the relevant Standardized Specification and clause numbers in SANS 1200 to which the variation or addition thereto applies.

PSA GENERAL

PSA 1 SCOPE

REPLACE THE CONTENTS OF SUBCLAUSE 1.1, INCLUDING THE NOTES, WITH THE FOLLOWING:

"1.1 This specification covers requirements, principles and responsibilities of a general nature which are generally applicable to civil engineering construction and building works contracts, as well as the requirements for the Contractor's establishment on the Site."

PSA 2 INTERPRETATIONS

PSA 2.3 DEFINITIONS

IN THE OPENING PHRASE BETWEEN THE WORDS "specification" AND "the following", INSERT THE WORDS "the definitions given in the Conditions of Contract and".

(a) General

ADD THE FOLLOWING DEFINITIONS:

General Conditions' and 'Conditions of Contract': The General Conditions of Contract specified for use with this Contract, together with the Contract Data.

'Specified': As specified in the Standardized Specifications, the Drawings or the Project Specifications. 'Specifications' shall have the corresponding meaning."

(c) Measurement and payment

REPLACE THE DEFINITIONS FOR "Fixed charge", "Time-related charge" AND "Value-related charge" WITH THE FOLLOWING:

" 'Fixed charge': A charge that is not subject to adjustment on account of variations in the value of the Contract Price or the time allowed in the Contract for the completion of the work.

Time-related charge': A charge, the amount of which varies in accordance with the Time for Completion of the Works, adjusted in accordance with the provisions of the Contract.

Value-related charge': A charge, the amount of which varies pro rata with the final value of the measured work executed and valued in accordance with the provisions of the Contract.' "

PSA MATERIALS

PSA 3.1 QUALITY

ADD THE FOLLOWING AT THE END OF SUBCLAUSE 3.1:

"All manufactured materials supplied shall be new materials unless the contrary is specified. All materials specified to be in accordance with SANS Specifications shall bear the SANS mark, where such a mark is available for the type of product."

PSA 4 PLANT

PSA 4.1 SILENCING OF PLANT

REPLACE THE CONTENTS OF SUBCLAUSE 4.1 WITH THE FOLLOWING:

"The Contractor's attention is drawn to the applicable regulations pertaining to noise and hearing conservation, framed under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) as amended.

The Contractor shall at all times and at his own cost, be responsible for implementing all necessary steps to ensure full compliance with such regulations, including but not restricted to the provision and use of suitable and effective silencing devices for pneumatic tools and other plant which would otherwise cause a noise level in excess of that specified in the said regulations.

Where appropriate, the Contractor shall further, by means of temporary barriers, effectively isolate the source of such noise in order to comply with the said regulations."

PSA 4.2 CONTRACTOR'S OFFICES, STORES AND SERVICES

ADD THE FOLLOWING PARAGRAPH BEFORE THE EXISTING FIRST PARAGRAPH IN SUBCLAUSE 4.2:

"The Contractor's buildings, sheds and other facilities erected or utilised on the Site for the purposes of the Contract shall be fenced off and shall contain all offices, stores, workshops, testing laboratories, toilet facilities, etc. as may be required by the Contractor. The facilities shall always be kept in a neat and orderly condition.

No personnel may reside on the Site. Only night-watchmen may be on the Site after hours."

DELETE "and first-aid services" IN THE SECOND PARAGRAPH OF SUBCLAUSE 4.2 AND ADD THE FOLLOWING:

"The Contractor shall provide on the Site and in close proximity to the actual locations where the work is being executed, one toilet per 10 workmen, which toilets shall be effectively screened from public view and their use enforced. Such toilets shall be relocated from time to time as the location of the work being executed changes, so as to ensure that easy access to the toilets is maintained.

The Contractor shall, where applicable, make all necessary arrangements and pay for the removal of night soil."

PSA 5 CONSTRUCTION

PSA 5.1 SURVEY

PSA 5.1.2 Preservation and replacement of survey beacons and pegs subject to the Land Survey Act

DELETE THE WORDS "in the vicinity of boundaries" IN THE SECOND SENTENCE OF SUBCLAUSE 5.1.2 AND REPLACE THE WORDS "under the direction of" IN THE SAME SENTENCE WITH "in consultation and liaison with".

ADD THE FOLLOWING AFTER THE SECOND SENTENCE OF SUBCLAUSE 5.1.2:

"The Contractor and the **Engineer** shall record on the said list, their concurrence or disagreement (as the case may be) regarding the completeness and accuracy of the details recorded therein."

At the completion of the Contract, the Contractor shall expose all pegs that were listed at the commencement of the construction as being in order and the Contractor shall arrange with a registered Land Surveyor for the checking of the positions of all such pegs and the replacement of those that the Land Surveyor's check reveals have become disturbed or damaged.

The Contractor shall, as a precedent to the issue of the Certificate of Completion, provide to the Engineer, a certificate from the registered land surveyor, certifying that all the pegs listed at the commencement of construction in accordance with the provisions of this clause, have been checked and that those found to have been disturbed, damaged or destroyed have been replaced in their correct positions, all in accordance with the provisions of the said Act.

- (a) cannot reasonably be re-established in their original positions by reason of the finished dimensions of the permanent works, and

the Contractor can prove beyond reasonable doubt to the satisfaction of the Engineer, were disturbed, damaged or destroyed by others beyond his control."

PSA 5.3 PROTECTION EXISTING STRUCTURES

REPLACE "Machinery and Occupational Safety Act, 1983 (Act No 6 of 1983)" WITH "Occupational Health and Safety Act, 1993 (Act No 85 of 1993), as amended," AND INSERT THE FOLLOWING AFTER "(Act No. 27 of 1956)": "as amended".

PSA5.4 PROTECTION OF OVERHEAD AND UNDERGROUND SERVICES

REPLACE THE HEADING AND THE CONTENTS OF SUBCLAUSE 5.4 WITH THE FOLLOWING

"PSA 5.4 LOCATION AND PROTECTION OF EXISTING SERVICES

PSA 5.4.1 Location of existing services

Before commencing with any work in an area, the Contractor shall ascertain the presence and actual position of all services which can reasonably be expected by an experienced and competent contractor to be present on, under, over or within the Site.

Without in any way limiting his liability in terms of the Conditions of Contract in relation to damage to property and interference with services, the Contractor shall, in collaboration with the Engineer, obtain the most up-to-date plans as are available, showing the positions of services existing in the area where he intends to work. Neither the Employer nor the Engineer offers any warranty as to the accuracy or completeness of such plans and because services can often not be reliably located from plans, the Contractor shall ascertain the actual location of services depicted on such plans by means of careful inspection of the Site.

Thereafter, the Contractor shall, by the use of appropriate methodologies, carefully expose the services at such positions as are agreed to by the Engineer, for the purposes of verifying the exact location and position of the services. Where the exposure of existing services involves excavation to expose underground services, the further requirements of subclauses 4.4 and 5.1.2.2 of SABS 1200 D shall apply.

The aforesaid procedure shall also be followed in respect of services not shown on the plans but which may reasonably be anticipated by an experienced Contractor to be present or potentially present on the site.

All services, the positions of which have been determined as aforesaid at the critical points, shall henceforth be designated as 'known services' and their positions shall be

indicated by the Contractor on a separate set of drawings, a copy of which shall be furnished to the Engineer without delay.

As soon as any service which has not been identified and located as described above is encountered on, under, over or within the site, it shall henceforth be deemed to be a known service and the aforesaid provisions pertaining to locating, verifying and recording its position on the balance of the site shall apply. The Contractor shall notify the Engineer immediately when any such service is encountered or discovered on the Site.

Whilst he is in possession of the Site, the Contractor shall be liable for all loss of or damage as may occur to

- (a) known services, anywhere along the entire lengths of their routes, as may reasonably be deduced from the actual locations at which their positions were verified as aforesaid, due cognizance being taken of such deviations in line and level which may reasonably be anticipated, and
- (b) any other service which ought reasonably to have been a known service in accordance with the provisions of this clause.

The Contractor shall also be liable for consequential damage in regard to (a) and (b), whether caused directly by the Contractor's operations or by the lack of proper protection.

No separate payment will be made to the Contractor in respect of his costs of providing, holding available on the Site and utilising the said detecting and testing equipment, nor for any costs incurred in preparing and submitting to the Engineer the Drawings as aforesaid. These costs shall be deemed included in the Contractor's other tendered rates and prices included in the Contract.

Payment to the Contractor in respect of exposing services at the positions agreed by the Engineer and as described above will be made under the payment items (if any) as may be provided for in the respective sections of the specifications pertaining to the type of work involved.

PSA 5.4.2 Protection during construction

The Contractor shall take all reasonable precautions and arrange its operations in such a manner as to prevent damage occurring to all known services during the period which the Contractor has occupation and/or possession of the Site.

Services left exposed shall be suitably protected from damage and in such a manner as will eliminate any danger arising therefrom to the public and/or workmen, all in accordance with the requirements of the prevailing legislation and related regulations.

Unless otherwise instructed by the Engineer, no services shall be left exposed after its exact position has been determined and all excavations carried out for the purpose of exposing underground services shall be promptly backfilled and compacted. In roadways, the requirements of subclause 5.9 of SANS 1200 DB should be observed. In other areas compaction is to be to 93% modified AASHTO density.

PSA 5.4.3 Alterations and repairs to existing services

Unless the contrary is clearly specified in the Contract or ordered by the Engineer, the Contractor shall not carry out alterations to existing services. When any such alterations become necessary, the Contractor shall promptly inform the Engineer, who will either make arrangements for such work to be executed by the owner of the service, or instruct the Contractor to make such arrangements himself.

Should damage occur to any existing services, the Contractor shall immediately inform the Engineer, or when this is not possible, the relevant authority, and obtain instructions as to who should carry out repairs. In urgent cases, the Contractor shall take appropriate steps to minimise damage to and interruption of the service. No repairs of telecommunication cables or electric power lines and cables shall be attempted by the Contractor.

A list of important telephone numbers for use when services are damaged or need to be altered is provided below:

PSA 5.7 SAFETY

REPLACE THE CONTENTS OF SUBCLAUSE 5.7 WITH THE FOLLOWING

"Pursuant to the provisions of the Conditions of Contract, and without in any way limiting the Contractors obligations thereunder, the Contractor shall at his own expense (except only where specific provision (if any) is made in the Contract for the reimbursement to the Contractor in respect of particular items), provide the following:

- (a) Provide to its Employees on the site of the works, all safety materials, clothing and equipment necessary to ensure full compliance with the provisions of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) as amended (hereinafter referred to as the Act) at all times, and shall institute appropriate and effective measures to ensure the proper usage of such safety materials, clothing and equipment at all times;
- (b) Provide, install and maintain all barricades, safety signage and other measures to ensure the safety of workmen and all persons in, on and around the site, as well as the general public;

Implement on the site of the works, such procedures and systems and keep all records as may be required to ensure compliance with the requirements of the Act at all times:

- (c) Implement all necessary measures so as to ensure compliance with the Act by all subcontractor engaged by the Contractor and their employees engaged on the works;
- (d) Full compliance with all other requirements pertaining to safety as may be specified in the Contract.

The Employer and the Engineer shall be entitled, although not obliged, to make such inspections on the site as they shall deem appropriate, for the purpose of verifying the Contractor's compliance with the requirements of the Act. For this purpose, the Contractor shall grant full access to the site of all parts of the site and shall co-operate fully in such inspections and shall make available for inspection all such documents and records as the Employer's and/or Engineer's representative may reasonably require.

Where any such investigations reveal, or where it comes to the Engineer's attention that the Contractor is in any way in breach of the requirements of the Act or is failing to comply with the provisions of this clause, the Engineer shall, in accordance with the Conditions of Contract, be entitled to suspend progress on the works or any part thereof until such time as the Contractor has demonstrated to the satisfaction of the Engineer, that such breach has been rectified.

The Contractor shall have no grounds for a claim against the Employer for extension of time and/or additional costs if the progress on the works or any part thereof is suspended by the Engineer in terms of this clause, and the Contractor shall remain fully liable in respect of the payment of penalties for the late completion in accordance with the Conditions of Contract should the Contractor fail to complete the Works on or before the specified due completion date in consequence of the suspension.

Persistent and repeated breach by the Contractor of the requirements of the Act and/or this clause shall constitute grounds for the Engineer to act in terms of the Conditions of Contract and for the Employer to cancel the Contract in accordance with the Conditions of Contract.

PSA 7 TESTING

PSA 7.1 PRINCIPLES

PSA 7.2 APPROVED LABORATORIES

REPLACE THE CONTENTS OF SUBCLAUSE 7.2 WITH THE FOLLOWING:

"Unless otherwise specified in the relevant specification or elsewhere in the Project Specification, the following shall be deemed to be approved laboratories in which design work, or testing required in terms of a specification for the purposes of acceptance by the Engineer of the quality of materials used and/or workmanship achieved, may be carried out:

- (a) Any testing laboratory certified by the South African National Accreditation Systems (SANAS) in respect of the nature and type of testing to be undertaken for the purposes of the Contract;
- (b) Any testing laboratory owned, managed or operated by the Employer or the Engineer;
- (c) Any testing laboratory established and operated on the Site by or on behalf of the Employer or the Engineer.
- (d) Any other laboratory that the Engineer approves in his absolute discretion."

PSA 8 MEASUREMENT AND PAYMENT

PSA 8.1 MEASUREMENT

PSA 8.1.1 Preliminary and General item or section

PSA 8.1.2.1 Contents

REPLACE THE LAST SENTENCE OF SUBCLAUSE 8.1.2.1(b) WITH THE FOLLOWING.

"Separate items will be scheduled to cover the fixed, value-related and time-related components of the Contractor's preliminary and general costs."

PSA 8.1.2.2 Tendered sums

REPLACE THE CONTENTS OF THIS SUBCLAUSE WITH THE FOLLOWING:

"Except only where specific provision is made in the Specifications and/or the Bill of Quantities for separate compensation for any of these items, the Contractor's tendered sums under items PSA 8.3 and PSA 8.4 shall collectively cover all charges for:

- * risks, costs and obligations in terms of the Conditions of Contract and of this standardized specification; head-office and site overheads and supervision; profit and financing costs; expenses of a general nature not specifically related to any item or items of the permanent or temporary work; providing such facilities on site as may be required by the Contractor for the proper performance of the Contract and for its personnel, including, but without limitation, providing offices, storage facilities, workshops, ablutions, services such as water, electricity, sewage and rubbish disposal, access roads and all other facilities required, as well as for the maintenance and removal on completion of the works of these facilities and cleaning-up of the site of the Contractor's establishment and reinstatement to not less than its original condition, and providing the facilities for the Engineer and his staff as specified in the Contract and their removal from the site on completion of the Contract."

PSA 8.2 PAYMENT

PSA 8.2.1 Fixed-charge and value-related items

REPLACE THE CONTENTS OF SUBCLAUSE 8.2.1 WITH THE FOLLOWING:

PSA 8.2.1.1 Fixed-charge items

"Payment of fixed charges in respect of item 8.3.1 will be made as follows:

- (a) **EIGHTY PER CENT (80%)** of the sum tendered will be paid when the facilities have been provided and approved;
- (b) The remaining **TWENTY PER CENT (20%)** will be paid when the works have been completed, the facilities have been removed and the site of the Contractor's establishment has been cleared and cleaned to the satisfaction of the Engineer.

No adjustment will be made to the sum tendered in respect of item 8.3.1 should the value of the works finally executed or the time for completion vary in any way from that specified in the tender.

PSA 8.2.1.2 Value-related items

Payment for the sum tendered under item 8.3.2 will be made in three separate instalments as follows:

- (a) The first instalment, which is 40% of the sum, will be paid when the Contractor has fulfilled all his obligations to date under this specification, the General Conditions of Contract and the Special Conditions of Contract, and when the value of work certified for payment, excluding materials on site and payments for preliminary and general items, is equal to not less than 5% of the total value of the work listed in the Bill of Quantities.
- (b) The second instalment, which is **40%** of the sum, will be made when the amount certified for payment, including retention moneys but excluding this second instalment, exceeds 50% of the tender sum.
- (c) The final payment, which is 20% of the sum, will be made when the works have been certified as completed and the Contractor has fulfilled all his obligations to date under this Specification, the General Conditions of Contract and the Contract Data.

Should the value of the measured work finally completed be more or less than the tender sum, the sum tendered under item 8.3.2 will be adjusted up or down in accordance with the provisions of Clause 50 of the Conditions of Contract, and this adjustment will be applied to the third instalment."

REPLACE THE CONTENTS OF SUBCLAUSE 8.2.2 WITH THE FOLLOWING:

"Subject to the provisions of subclauses 8.2.3 and 8.2.4, payment under item 8.4.1 (time-related item) will be made monthly in equal amounts, calculated by dividing the sum tendered for the item by the tendered Contract period in months, provided always that the total of the monthly amounts so paid for the item is not out of proportion to the value of the progress of the Works as a whole."

PSA 8.3 SCHEDULED FIXED-CHARGE AND VALUE-RELATED ITEMS

REPLACE THE CONTENTS OF SUBCLAUSE 8.3.1 WITH THE FOLLOWING:

"PSA 8.3.1 Fixed preliminary and general charges Unit: sum

The sums tendered shall include full compensation for all fixed-charge preliminary and general charges as described in subclause PSA 8.1.2.2. Payment will be made as described in subclause PSA 8.2.1.1.

PSA 8.3.2 Value-related preliminary and general chargesUnit: sum

The sums tendered shall include full compensation for all value-related preliminary and general charges as described in subclause PSA 8.1.2.2. Payment will be made as described in subclause PSA 8.2.1.2."

PSA 8.4 SCHEDULED TIME-RELATED ITEMS

REPLACE THE CONTENTS OF SUBCLAUSE 8.4 WITH THE FOLLOWING:

"PSA 8.4.1 Time-related preliminary and general charges Unit: sum

The sum tendered shall include full compensation for all time-related preliminary and general charges as described in subclause PSA 8.1.2.2. Payment will be made as described in subclause PSA 8.2.2."

PSA 8.5 SUMS STATED PROVISIONALLY BY THE ENGINEER

REPLACE THE CONTENTS OF SUBCLAUSE 8.5 WITH THE FOLLOWING:

"PSA 8.4.5 Works executed by the Contractor Unit:

The Contractor will be reimbursed in substitution of the Provisional Sums (if any) allowed in the Bill of Quantities for work to be executed by the Contractor, in the amounts determined in accordance with the provisions of Clause 45 of the Conditions of Contract.

PSA 8.5.2 Works executed by Nominated Subcontractors

(a) Work to be executed by a Nominated Subcontractor.....Unit: Prov Sum

(b) Overheads, charges and profit on item (a) above Unit: % or sum

Subitems (a) and (b) will be provided in the Bill of Quantities for each different Nominated. The Contractor shall be Subcontract included in the Contract.

The Contractor shall be reimbursed under subitem (a), in substitution of the respective Provisional Sums (if any) allowed in the Bill of Quantities, the amounts actually paid or payable by the Contractor to the respective Nominated Subcontractors, in accordance with the provisions of Clause 45 of the Conditions of Contract.

The Contractor shall be paid under subitem (b), either

(a) where the unit of measurement for subitem (b) was specified as being a percentage, the respective percentage, as stated by the Contractor in its tender, of the amount certified by the Engineer for payment under the related subitem (a), all in accordance with the provisions of Clause 45.1.2.1.1 of the Conditions of Contract, or

(b) where the unit of measurement for subitem (b) was specified as being a lump sum, an amount which is in the same proportion to the amount certified for payment under subitem (a) and the tendered lump sum is to the amount of the Provisional Sum stated under subitem (a) in accordance with the provisions of Clause 45.1.2.1.2, provided always that where the Contractor has failed for any reason to insert a percentage or sum (as applicable) for subitem (b) in its tender, or where no provision was made in the tender documents for tenderers to make any such entry, the Contractor will be paid an amount equal to SEVEN AND NE HALF PER CENT (7,5%) of the amount actually certified by the Engineer for payment under subitem (a).

The percentage or sum (as applicable) paid under subitem (b) as aforesaid, shall be deemed to include for full and final compensation to the Contractor for all costs as may be incurred and all charges and profits associated with the engagement, supervision, administration and management of the Nominated Subcontractor required of him in fulfilling its obligations under the Contract as the Principal Contractor."

PSA 8.6 PRIME COST ITEMS

REPLACE SUBCLAUSE 8.6 WITH THE FOLLOWING:

"PSA 8.6 PRIME COST SUMS

(a) Description of item to which Prime Cost Sum applies . Unit: PC Sum

(b) Charge required by Contractor on subitem (a) above Unit: %

Subitems (a) and (b) will be provided in the Bill of Quantities for each different item to which a Prime Cost Sum applies.

The Contractor shall be reimbursed under subitem(s) (a) in substitution of the respective Prime Cost Sums included in the Contract, the actual price(s) paid or payable by him in respect of the goods, materials or services supplied, but excluding any charges for the Contractors labour, profit, carriage, establishment or other charges related to such goods, services or materials.

The Contractor shall be paid under subitem (b), the respective percentage, as stated by the Contractor in his tender, of the amount certified by the Engineer for payment under the related subitem (a). The percentages tendered by the Contractor for each respective subitem (b) included in the Bill of Quantities shall be deemed to be in full and final compensation to the Contractor in respect of any charge by the Contractor for labour, carriage profit, establishment and for any other charges related to the goods, services or materials supplied under the related subitem (a).

If the Contractor shall have omitted within his tender to insert a tendered percentage under subitem (b), or tendered a zero percentage, the Contractor's tendered rate for subitem (b) shall be deemed to be zero and the Contractor shall not be entitled to any payment under subitem (b).

Note in connection with additional tests required by the Engineer:

When a PC sum is included in the Bill of Quantities for additional tests required by the Engineer, the Contractor shall be responsible for both the

cost of normal testing as described in C3.4.2.5(b) of the Project Specifications and for the cost of any additional test that indicates that the specifications have not been complied with."

"PSA 8.9

COMPLIANCE WITH OHS ACT AND REGULATIONS

(INCLUDING THE CONSTRUCTION REGULATIONS 2003) Unit: sum

The tendered sum shall include full compensation to the Contractor for compliance with all the requirements of the OHS Act and Regulations (including the Construction Regulations 2003) at all times for the full duration of the Contract, as described in C3.6.1. The successful tenderer shall provide the Engineer with a complete breakdown of this tendered sum.

This sum will be paid to the Contractor in equal monthly amounts subject to proper/substantial compliance.

PSA 8.10

QUALITY ASSURANCE AND MANAGEMENT PLAN

Unit: sum

The tendered sum shall include full compensation for compiling and submitting an ISO9000 quality assurance and management plan to the Engineer and for maintaining, implementing, monitoring, recording and complying to the approved plan for the full duration of the Contract. The sum shall include for all specialists required to fulfil the above functions.

Payment will be made on a successful and approved progress basis.

PSA 8.11

COMPLIANCE WITH THE ENVIRONMENTAL

MANAGEMENT PLAN Unit: sum

PSA 8.12 **FORMAL TRAINING**

(a) Safety rep training.....Unit: hours

(b) Project specific technical skills training (manhole construction, pipe laying, etc)Unit hours

(c) Generic and management skills training (storeman, safety, environmental, hygiene, etc)Unit: hours

(d) Training venueUnit: sum

(e) Remuneration of workers undergoing skills trainingUnit: hours

(f) Contractor's handling costs, profit and all other charges in respect of subitem (a) to (e) aboveUnit: percentage (%)

Formal training of local labour shall be accredited NQF level applicable training in various skills e.g. life skill training, technical skill training, management skill training, etc, and workers shall be trained throughout the duration of the Contract.

The rates or sums tendered for the scheduled training items shall include full compensation to the Contractor for all training course fees, venues, transport, wages during training, profit, disbursements, stationery and all other material required for the training.

The Contractor shall only be reimbursed for the actual hours of formal training completed by the workers at the rates/sums tendered, plus a percentage to cover his charges and profits.

The accredited training provider must be approved by the Employer prior to any training of workers.

Refer to C3.4.2.5 (i) (iii) for 'Training of Targeted Labour.'

PSC **SITE CLEARANCE**

PSC 3 **MATERIALS**

PSC 3.1 **DISPOSAL OF MATERIAL**

ADD THE FOLLOWING:

"The Contractor shall obtain his own dumping sites for the disposal of material and all transport costs shall be included in the rates tendered for site clearance."

PSC 5 **CONSTRUCTION**

PSC 5.1 **AREAS TO BE CLEARED AND GRUBBED**

ADD THE FOLLOWING.

'Pipeline routes shall be cleared to a distance of 1,5 m on both sides of the pipeline centre line. Route pegs or markers shall not be destroyed or damaged during clearing operations.'

PSC 5.2 **CUTTING OF TREES**

PSC 5.2.3 **Preservation of trees**

PSC 5.2.3.2 **Individual trees**

REPLACE THE LAST SENTENCE WITH THE FOLLOWING:

'An amount of R3 500.00 will be deducted from moneys due to the Contractor as a penalty for every tree that is damaged or removed unnecessarily.' Once trees are removed, they need to be replanted if needs be.

PSC 5.5 **RECLEARING OF VEGETATION**

ADD THE FOLLOWING:

'When areas have to be recleared on the written instructions of the Engineer, such reclearing shall be carried out at the Contractors own cost and the Contractor is therefore advised not to clear the areas too soon.'

PSC 8 **MEASUREMENT AND PAYMENT**

PSC 8.2 **PAYMENT**

PSC 8.2.1 **Clear and grub**

REPLACE THE FIRST LINE WITH THE FOLLOWING:

'The area designated by the Engineer to be cleared and grubbed will be measured in square metre to the nearest square metre.

ADD THE FOLLOWING ITEMS IN SUBCLAUSE 8.2:

"PSC 8.2.11 Take down and re-erect existing fencesUnit:
m

The rate shall cover the cost of taking down the fences, coiling wire, sorting, stacking and guarding all materials, the cost of loading, transporting and off-loading such materials, the cost of re-erecting the fence in its original

position using the dismantled material, the cost of temporary bracing of the fencing sections not taken down and the cost of appurtenant materials that may be required to restore the fence to its original condition before dismantling.

PSC 8.2.12 Remove topsoil to spoil site furnished by Contractor..... Unit: cubic metre (m³)

The tendered rate shall include full compensation for removing topsoil to a depth of '150 mm and for loading and transporting the material to spoil sites furnished by the Contractor."

PSD **EARTHWORKS**

PSD 2 **INTERPRETATIONS**

PSD 2.1 **SUPPORTING SPECIFICATIONS**

REPLACE SUBCLAUSE 2 1 2 WITH THE FOLLOWING:

"PSD 2.1.2 Any of the other SANS 1200 specifications may form part of the Contract documents.'

PSD 2.3 **DEFINITIONS**

REPLACE THE WORD AND THE DEFINITION FOR 'Borrow' WITH THE FOLLOWING:

"Borrow material: Material, other than material obtained from excavations required for the works, obtained from sources such as borrow pits or the authorised widening of excavations 'Borrow shall have a corresponding meaning."

REPLACE THE DEFINITION FOR "Specified density" WITH THE FOLLOWING:

"Specified density: The specified dry density expressed as a percentage of modified AASHTO dry density."

REPLACE THE DEFINITION FOR "Stockpile" WITH THE FOLLOWING:

"Stockpile (verb): The process of selecting and, when necessary, loading, transporting and off-loading material in a designated area for later use for a specific purpose'

ADD THE FOLLOWING DEFINITIONS:

"Commercial source: A source of material provided by the Contractor, not the Employer, and including any borrow pit, provided by the Contractor

Fill: An embankment or terrace constructed of material obtained from excavations or borrow pits. In roads it includes the earthworks up to the underside of the selected subgrade level.

Fill (material): Material used for the construction of an embankment or terrace

Roadbed: The natural in situ material on which the fill or, in the absence of fill, the pavement layers are constructed"

PSD 3 MATERIALS

PSD 3.1 CLASSIFICATION FOR EXCAVATION PURPOSES

PSD 3.1.1 Method of classifying

ADD THE FOLLOWING:

"The classification of material other than 'soft excavation' shall be agreed upon before excavation may commence.

The Contractor shall immediately inform the Engineer if and when the nature of the material being excavated changes to such an extent that a new classification is warranted for further excavation. Failure on the part of the Contractor to advise the Engineer in good time shall entitle the Engineer to reclassify, at his discretion, such excavated material."

PSD 3.2.3 Material suitable for backfill or fill against structures

REPLACE THE CONTENTS OF THIS SUBCLAUSE WITH THE FOLLOWING..

"Material used for backfill behind structures shall generally be the material excavated, subject to the following conditions:

- (a) The material shall not contain an excessive number of stones retained on a 50 mm sieve;
- (b) The material shall not contain large clay lumps that do not break up under the action of the compaction equipment; and
- (c) The liquid limit of the material shall not exceed 40, neither shall the PI exceed 18."

PSD 5 CONSTRUCTION

PSD 5.1 PRECAUTIONS

PSD 5.1.1 Safety

PSD 5.1.1.1 Barricading and lighting

REPLACE 'Machinery and Occupational Safety Act, 1983 (Act 6 of 1983)' *WITH* "Occupational Health and Safety Act, 1993 (Act 85 of 1993)".

PSD 5.1.1.2 Safeguarding of excavations

REPLACE "Machinery and Occupational Safety Act" *WITH* "Occupational Health and Safety Act, 1993 (Act 85 of 1993)".

PSD 5.1.2 Existing services

PSD 5.1.2.2 Detection, location and exposure

REPLACE THE CONTENTS OF SUBCLAUSE WITH THE FOLLOWING:

"The exposure by the Contractor of underground services, as required in terms of subclause 5.4 of SANS 1200 A (as amended) shall be carried out by careful hand excavation at such positions and to such dimensions as are agreed to by the Engineer.

Unless otherwise instructed or agreed by the Engineer, no service shall be left exposed after its exact position has been determined and all excavations carried out for the purposes of exposing underground services shall be promptly backfilled and compacted to the following densities:

- a) In roadways: 93% Mod AASHTO density; and
- b) In all other areas: 93 % Mod AASHTO density.

Where hand excavations to expose underground services have to be carried out in roadways, the Contractor shall reinstate the road layerworks in accordance with the provisions of subclause 5.9 of SANS 1200 DB.

Payment in respect of exposing the services by means of hand excavation as described above, will be made in accordance with subclause PSD 8.3.8.1."

PSD 5.1.2.3 Protection of cables

REPLACE SUBCLAUSE 5.1.2.3 WITH THE FOLLOWING:

"5.1.2.3 Protection during construction

Further to the requirements of subclause 5.4.2 of SANS 1200 A (as amended), major excavating equipment and other plant shall not be operated dangerously close to known services. Where necessary, excavation in close proximity to known services shall be carefully carried out with suitable hand tools, excluding picks wherever their use could damage the services. No additional payment will apply to such more difficult work.

Should any service not being a known service be discovered or encountered during the course of the Contract, the Contractor shall, in addition to complying with the requirements of subclause 5.4.2 of SANS 1200 A (as amended), immediately notify the Engineer thereof and implement such measures as will prevent damage of such service or, if it was damaged in the course of discovery, will prevent and minimize the occurrence of any further damage occurring."

PSD 5.1.2.4 **Negligence**

DELETE SUBCLAUSE 5.1.2.4.

PSD 5.1.6 Road traffic control

DELETE THE SECOND SENTENCE OF SUBCLAUSE 5.1.6.

PSD 5.2 METHODS AND PROCEDURES

PSD 5.2.2 Excavation

PSD 5.2.2.1 Excavation for general earthworks and for structures

ADD THE FOLLOWING TO PARAGRAPH (b):

'When the nature of the material precludes the above procedure, additional excavations shall be carried out to provide working space for the erection of formwork. The tendered rate for item 8.3.5 will be deemed to include the cost of a working width of 600 mm, but the Contractor may excavate a greater working width at no additional cost to the Employer.'

REPLACE THE FIRST SENTENCE OF PARAGRAPH (e) WITH THE FOLLOWING:

'Where excavations have been carried below the authorised levels, the Contractor shall backfill such excavations to the correct level with approved gravel compacted to 93 % of modified AASHTO density or to the density of the surrounding material, whichever is the higher density.'

Where excavations for structures have been carried out in hard material, the Engineer may direct that over-excavation be backfilled with weak concrete if there is a danger of settlement or differential settlement of the foundations.

Where the sides of excavations against which concrete is to be cast have been over-excavated or have collapsed partially, the Contractor shall retrim the excavations if necessary and, unless other remedial measures are agreed to by the Engineer, shall cast the concrete for the structure, including the additional concrete that may be required as a result of the over-excavation or partial collapse. The cost of the additional concrete or remedial measures shall be for the Contractor's account.'

PSD 5.2.2.3 Disposal

REPLACE THE SECOND SENTENCE WITH THE FOLLOWING

'The Contractor shall provide all necessary spoil sites for the spoiling of all surplus and unsuitable materials and shall make the necessary arrangements with the owner of the site where the material is disposed of, and pay all charges and levies as may be applicable for the use of such spoil sites.'

Every spoil site provided by the Contractor shall be approved by the local authority in whose area it is located, and the spoiling shall comply with the applicable statutory and municipal regulations as well as the requirements of the owner of the spoil site

Payment to the Contractor in respect of locating and making arrangements for suitable spoil sites and spoiling material at **the** such sites will be made separately in the applicable items as scheduled.'

ADD THE FOLLOWING SUBCLAUSE IN SUBCLAUSE 5.2.2:

"PSD 5.2.2.4 Selection and stockpiling

Approval or designation of the material in a particular borrow pit or excavation for a particular purpose does not imply that all the material in the borrow pit or excavation is suitable for the particular purpose to which the said approval or designation relates, nor that all material in the borrow pit or source should be used for the particular purpose.

The Contractor shall select suitable material from that borrow pit or source, discard unsuitable material and reserve material. The Contractor shall select suitable material from that borrow pit or source, discard unsuitable material and reserve material for other purposes as necessary. to which the said approval or designation relates, nor that all material in the borrow pit or source should be used for the particular purpose. The Contractor shall select suitable material from that borrow pit or source, discard unsuitable material and reserve material for other purposes as necessary.

The Contractor shall organise and carry out his operations in such a manner as will prevent the contamination of suitable embankment and backfill material with unsuitable materials. Any excavated material which becomes, in the Engineers opinion, unsuitable for use in embankments or backfill as a result of contamination, shall be disposed of in a manner acceptable to the Engineer and shall be replaced by the Contractor with materials acceptable to the Engineer, all at the Contractors cost.

When required, or when ordered by the Engineer, material shall be stockpiled for later use. The additional costs for stockpiling material shall be separately paid to the Contractor in the applicable items as scheduled.'

PSD 5.2.5 Transport for earthworks

REPLACE THE CONTENTS OF SUBCLAUSE 5.2.5 WITH THE FOLLOWING:

'The transport of all excavated materials, irrespective of the distance and source, shall be deemed to be free-haul, the cost of which is included in the Contractor's tendered rates and prices for the excavation of the materials. No separate compensation shall apply for the transportation of excavated materials.'

PSD 7 TESTING

PSD 7.2 TAKING AND TESTING OF SAMPLES

REPLACE THE CONTENTS OF THIS SUBCLAUSE WITH THE FOLLOWING:

'The Contractor shall arrange with the approved independent laboratory engaged by the Contractor in terms of C3.4.2.5(b) of the Project Specifications to carry out sufficient tests on a regular basis as agreed between him and the Engineer to determine whether the degree of compaction, and, where applicable, the quality of materials used, comply with the Specifications and shall submit the results of these tests to the Engineer in a form approved by him.

The compaction requirements for fills shall be deemed complied with when at least 75% of the dry-density tests on any lot show values equal to or above the specified density and when no single value is more than five percentage points below the specified value.'

PSD 8 MEASUREMENT AND PAYMENT

PSD 8.3 SCHEDULED ITEMS

PSD 8.3.1 Site preparation

REPLACE SUBCLAUSES 8.3.1.1 AND 8.3.1.2 WITH THE FOLLOWING:

Where site preparation such as clearing, grubbing, the removal of large trees or the removal and stockpiling of topsoil is required, the provisions and scheduled items of SABS 1200 C shall apply.'

PSD 8.3.2 Bulk excavation

REPLACE THE CONTENTS OF ITEM WITH THE FOLLOWING:

c) Extra over subitems PSD 8.3.2(a)(1), PSD 8.3.2(a)(2) and PSD 8.3.2(b) for:

- (i) Intermediate excavation Unit: m³
- (ii) Hard rock excavation Unit: m³
- (iii) Boulder excavation, Class A Unit: m³
- (iv) Boulder excavation, Class A Unit: m³

The rate shall cover the additional cost of the operations enumerated in subclauses 8.3.2.(a) and 8.3.2.(b) above for any portion of the excavation that is classified as intermediate, hard rock, boulder excavation class A or boulder excavation class B as applicable. (See Drawing D-2.).

Extra over item PSD 8.3.2(c)(2) for hand excavation or other method (excluding blasting) to remove rock outcrops or rock underbreak after bulk excavation to form level site (alternative for soilcrete backfilling in rock overbreak) Unit: m³

The unit shall be the cubic metre (including bulking of volume) of rock outcrops removed by hand or other labour intensive method.

The rate shall cover all additional costs of the operations including labour, plant, equipment, transport etc to break, excavate, load and removal off site of small rock outcrops not successfully removed during the bulk excavation operations.

PSD 8.3.3 Restricted excavation

REPLACE THE WORDS in 1 m increments' AT THE END OF THE FIRST SENTENCE OF SUBITEM (a) WITH In the increments indicated in the Bill of Quantities".

REPLACE In 5.2.2.1 — 5.2.2.3 (inclusive)" AT THE END OF SUBCLAUSE (a) WITH "in subclauses 5.2.2.1 to 5.2.2.5 (inclusive)!.

ADD THE FOLLOWING SUB-SUBITEM:

"(c) Extra over subitem 8.3.3 (a) for hand excavation Unit: m'

This item shall apply to hand excavation ordered by the Engineer or when the Engineer considers that, owing to circumstances, excavation by mechanical excavators is not practicable. It shall not apply to hand excavation for trimming or finishing an excavation made by mechanical means.

The tendered rate shall include full compensation for the additional cost of excavating by means of hand tools."

PSD 8.3.4 Importing of materials

DELETE SUBITEM (a) OF 8.3.4.

PSD 8.3.6 Overhaul

DELETE SUBCLAUSE 8.3.6.

PSD 8.3.8 Existing services

PSD 8.3.8.1 Location

REPLACE ITEM 8.3.8.1 WITH THE FOLLOWING:

'8.3.8.1 Hand excavation for locating and exposing existing services:

- a) In roadways Unit: m³
- b) In all other areas Unit: m³

The unit of measurement shall be the cubic metre of material excavated, measured in place according to the authorised or actual dimensions of the excavation, whichever is the lesser.

The tendered rates shall cover the cost of excavating in all materials by means of hand tools within authorised dimensions and at locations approved by the Engineer in accordance with the requirements of subclause PSA 5.4.1 for all precautionary measures necessary to protect the services from damage during excavation and backfilling, and for subsequent backfilling and compacting. Compaction of material in all areas except in roadways shall be to 93 % of the modified AASHTO density.

The tendered rate for hand excavation in roadways shall include compensation for compacting excavated or selected backfill material to 93% of modified AASHTO density. Reinstating layerworks and surfacing shall be measured and paid for in terms of SANS 1200 DB.

The tendered rates shall also include for keeping excavations safe, for dealing with surface and subsurface water, for removing surplus excavated material from the site, for transporting all material and for supplying adequate supervision during both excavation and backfilling operations.'

PSD 8.3.10 Topsoiling

CHANGE THE UNIT TO 'm³' AND REPLACE THE CONTENTS OF THIS ITEM WITH THE FOLLOWING:

'The unit of measurement shall be the cubic metre and the quantity shall be calculated from the authorised dimensions.

The tendered rate shall include loading of the topsoil from stockpiles, transporting, off-loading, spreading, shaping and lightly compacting the topsoil."

ADD THE FOLLOWING ITEMS IN SUBCLAUSE 8.3.

"PSD 8.3.14 Extra over items PSD 8.3.2.(a)(1) and PSD 8.3.3 for temporary stockpiling Unit: m³

The unit of measurement shall be the cubic metre of material from necessary excavations, temporarily stockpiled by the Contractor on the instructions of the Engineer, before being used in embankments or backfill. Measurements shall be taken in place in compacted embankment or backfill as the case may be.

The tendered rate shall include for the costs, additional to those provided for in PSD 8.3.2(a)(1) and PSD 8.3.3, of off-loading, forming and maintaining the stockpile for as long as is required, reloading and transporting.

Payments to the Contractor under this item will only be made in respect of that material stockpiled on the instructions of the Engineer (which instruction shall state specifically that payments for such stockpiling will be paid for under this item) and no payments will be made to the Contractor under this item in respect of materials stockpiled by the Contractor on his own volition, nor for materials necessarily stockpiled by the Contractor in consequence of the sequence of operations adopted by him in the course of executing the works, whether such stockpiling was avoidable or otherwise.

PSD8.3.15 Extra over items PSD 8.3.2(b) and PSD 8.3.3 for disposing spoil material on a site provided by the Contractor Unit: m³

The unit of measurement shall be the cubic metre measured in accordance with subclause 8.2 of SABS 1200 D of surplus and/or unsuitable material disposed of, on the instruction of the Engineer, at a spoil site or spoil sites provided by the Contractor.

The tendered rate shall include full compensation for the additional cost of providing a spoil site or other means of disposing of surplus spoil material, for transporting the material regardless of the distance involved, for acceptance charges for such material and for all other incidental costs to dispose of the spoil material.'

PSDB EARTHWORKS (PIPE TRENCHES)

PSDB 3 MATERIALS

PSDB 3.5 BACKFILL MATERIALS

ADD THE FOLLOWING PARAGRAPHS TO

SUBCLAUSE 3.5:

(c) Cement-stabilized backfilling

Backfilling shall, where directed by the Engineer, be stabilized with 5% cement. The aggregate shall consist of approved soil or gravel containing stones not bigger than 38 mm and with a plasticity index not exceeding 10.

The soil or gravel shall be mixed with 5% cement and shall be compacted in layers of 100 mm thick to 93 % of modified AASHTO density.

(d) Soilcrete backfilling

The aggregate for soilcrete shall be mixed with 5% cement and shall consist of approved soil or gravel containing stones not bigger than 38 mm and with a plasticity index not exceeding 10. The soil or gravel shall be mixed in a concrete mixer with the cement and enough water to acquire a consistency that allows the mixture to be placed with vibrators to fill all voids between the pipe and the sides of the trench. Shuttering shall be used where necessary,"

PSDB 3.7 SELECTION

REPLACE THE WORDS 'if he so wishes' IN THE FIRST LINE OF THE SECOND PARAGRAPH WITH THE WORDS "at his own cost".

PSDB 5 CONSTRUCTION

Except only where the Engineer has included in the Bill of Quantities, particular payment items specifically therefor, the Contractor will not be paid directly for the construction and maintenance of temporary access roads and/or the provision and maintenance of bridges as aforementioned, and the costs thereof shall be deemed included in the Contractor's tendered rates for excavation.'

PSDB 8 MEASUREMENT AND PAYMENT

PSDB 8.3 SCHEDULED ITEMS

PSDB 8.3.2 Excavation

- a) Excavate in all materials, for trenches, backfill compact and dispose of surplus material

REPLACE 'of 1,0 m' IN THE FIRST SENTENCE OF 8.3.2(a) WITH: "as specified in the Bill of Quantities.'

- b) Extra over item (a) above for:

(i)	Intermediate excavation	Unit: m ³
(ii)	Hard rock excavation	Unit: m ³
(iii)	Boulder excavation, Class A	Unit: m ³
(iv)	Boulder excavation, Class A	Unit: m ³

The rate shall cover the additional cost of the operations enumerated in subclauses 8.3.2.(a) and 8.3.2.(b) above for any portion of the excavation that is classified as intermediate, hard rock, boulder excavation class A or boulder excavation class B as applicable. (See Drawing D-2.).

Extra over item PSD 8.3.2(c)(2) for hand excavation or other method (excluding blasting) to remove rock outcrops or rock underbreak after bulk excavation to form level site (alternative for soilcrete backfilling in rock overbreak) Unit: m³

The unit shall be the cubic metre (including bulking of volume) of rock outcrops removed by hand or other labour intensive method.

The rate shall cover all additional costs of the operations including labour, plant, equipment, transport etc to break, excavate, load and removal off site of small rock outcrops not successfully removed during the bulk excavation operations.

PSG 5.2 FORMWORK

PSG 5.2.2 Preparation for formwork

ADD THE FOLLOWING:

'Construction joints shall be positioned as shown on the drawings.'

PSG 5.2.5 Removal of formwork

ADD THE FOLLOWING SUBCLAUSE

"PSG 5.2.5.7 The Contractor shall make provision for the continued support of beams and slabs while the formwork is being removed and/or for back propping of beams and slabs.'

PSG 5.3 HOLES, CHASES AND FIXING BLOCKS

ADD THE FOLLOWING

'Cover blocks for reinforcing and fixtures may be placed into the concrete provided that neither the strength nor any other desirable characteristic (such as the appearance) of the concrete section is affected or impaired in the opinion of the Engineer.

The holes or cavities left by ferrule heads in the concrete of water-retaining structures shall be filled with an approved non-shrink grout applied strictly in accordance with the manufacturers specifications.'

PSG 5.4 PIPES AND CONDUITS

ADD THE FOLLOWING:

'All pipes passing through concrete floors, walls or slabs shall be cast into a concrete member simultaneously with the casting of the member. Openings for pipes shall only be left in concrete members when so directed by the Engineer or when shown on the drawings. Pipes shall be installed in such openings according to the details shown on the drawings.

If watertightness is a requirement where pipes are cast into walls, floors and slabs, the Contractor shall ensure watertightness where smooth-surfaced pipes are used by using an approved method such as tape wrapping the pipes prior to casting in. The cost of such method will be deemed to be included in the rates tendered for item PSG 8.10.'

PSG 5.5 CONCRETE

PSG 5.5.1 Quality

PSG 5.5.1.5 Durability

The exposure conditions of the concrete are classified as "severe".

PSG 5.5.1.7 Strength concrete

ADD THE FOLLOWING:

"The concrete mixes shall be designed by the Portland Cement Institute or a similar approved laboratory.

The minimum cement content shall be 325 kg/m'. The maximum water cement ratio shall be 0,55 for ordinary Portland cement (OPC), CEM I 42,5 according to SANS 50197-1, or 0,50 for ordinary Portland cement blended with pulverized fuel ash (**PFA**).

The cement content shall not exceed 400 kg/m' OPC in reinforced concrete or 450 kg/m³ OPC blended with **PFA** in reinforced concrete."

PSG 5.5.3 Mixing

PSG 5.5.3.2 Ready-mixed concrete

ADD THE FOLLOWING:

"Ready-mixed concrete may be used on the Site. The Contractor shall take samples for testing from every load delivered to the Site."

PSG 5.5.5 Placing

ADD THE FOLLOWING:

"Concreting of walls between horizontal construction joints shall be carried out in both directions from a point on the wall in order to close the gap with fresh concrete.'
construction joints and the surface of the floor shall be prepared as described for construction joints.

Should the Contractor's method of construction necessitate the placing of a construction or other joint in a position not shown on the drawings, such method of construction and position of the joint shall be approved by the Engineer in writing. The cost of such joint shall be included in the tendered rates and shall include scabbling of the concrete where steel reinforcement is continuous.

The walls shall be cast in lifts of a height that permits each lift to be poured without interruption in one continuous operation during normal working hours.

It is the Contractor's responsibility to ensure that construction joints are watertight. The Contractor's proposed method for ensuring the watertightness of such joints shall be submitted to the Engineer for his approval.

For construction joints at kickers all additional costs for concrete, preparation, etc will be deemed to be included in the rates tendered for concrete in walls or sides and kicker joints or construction joints will not be measured separately."

PSG 5.5.8 Curing and protection

ADD THE FOLLOWING:

"The curing methods of retaining the formwork in place or covering with a waterproof membrane are strongly recommended. Concrete will not be paid for unless properly cured and proof of curing is continuously visible on site."

PSG 5.5.10 Concrete surfaces

ADD THE FOLLOWING SUBCLAUSE:

"5.5.10.4 Where the surfaces of the concrete are to be additionally hardened or protected,
the positions of such surfaces and the method to be used will be shown on the drawings and
will be scheduled. Materials or products with a ferrous content will not be allowed."

PSG 5.5.11 Watertight concrete

ADD THE FOLLOWING:

'The minimum cement content shall be 325 kg/m³. The maximum water.cement ration shall be 0,55 for ordinary Portland cement (OPC), CEM I 42,5 according to SANS 50197-1, or 0,50 for ordinary Portland cement blended with pulverized fuel ash (PFA).

The cement content shall not exceed 400 kg/m³ OPC in reinforced concrete or 450 kg/m³ OPC blended with PFA in reinforced concrete."

PSG 6 TESTS

PSG 6.1 FACILITIES AND FREQUENCY OF SAMPLING

PSG 6.1.1 Facilities

ADD THE FOLLOWING:

The Contractor shall provide sufficient storage capacity for the concrete cubes and shall arrange to have them tested by an approved laboratory.

The cost of all testing, including the cost of sampling, storage and transport included in the rates tendered for concrete work."

PSG 8 MEASUREMENT AND PAYMENT

PSG 8.1 MEASUREMENT AND RATES

PSG 8.1.1 Formwork

DELETE "or splays over 20 mm x 20 mm" FROM THE FIRST LINE OF PARAGRAPH 8.1.1.2.

ADD THE FOLLOWING TO PARAGRAPH 8.1.1.2:

'Splays up to and including 25 mm x 25 mm will not be measured separately and will be deemed to be included in the formwork costs.'

ADD THE FOLLOWING PARAGRAPHS:

- "8.1.1.7 For construction joints at kickers, all additional costs for formwork to edges up to 300 mm high will be deemed to be included in the rates tendered for vertical formwork to sides of walls and will not be measured separately in narrow widths.
- 8.1.1.8 No formwork will be measured to edges of blinding layers under structures, and the cost thereof (if needed) will be deemed to be included in the rates tendered for concrete in blinding layers.
- 8.1.1.9 Back-shuttering or formwork to top revealed surfaces of sloping or conical formwork will only be measured to surfaces of over 40° and up to 85° to the horizontal.
- 8.1.1.10 Formwork to horizontal surfaces in pump stations, valve chambers, manholes or sumps can either be removed through the manhole cover opening or the Contractor may use permanent formwork at his own cost as no claims in this regard will be considered "

PSG 8.1.2 Formwork

REPLACE THE CONTENTS OF THIS SUBCLAUSE WITH THE FOLLOWING:

The unit of measurement for steel bars shall be the ton of reinforcement in place, in accordance with the drawings or as authorised by the Engineer.

The unit of measurement for welded steel fabric shall be the kilogram of fabric reinforcement in place, and the quantity shall be calculated from the net area covered by the mesh, excluding overlaps.

Clips, ties, separators, stools and other steel used for positioning reinforcement will not be measured, unless these are shown on the bending schedules.

The tendered rate shall include full compensation for the supply, delivery, cutting, bending, welding, placing and fixing of the steel reinforcement, including all tying wire, stools, supports and waste."

PSL MEDIUM-PRESSURE PIPELINES

HDPE Pipes

Specification

The HDPE pipes must be manufactured to SANS ISO 4427. These pipes are grouped in different pressure classes of PE 63, PE 80 and PE 100. The SANS ISO 4427 has grouped together the different pressure classes, produced from different material designations, under common heading known as Standard Diameter (Dimension) Ratio or SDR.

HDS (Hydrostatic Design Stress) is obtained by applying a factor of not less than 1.26 to the minimum required strength value of the pipe

Joining

Permanent joining of butt welding and electro-fusion is used which allows for transition to detachable joints. Refer to SANS 0269 welding code of practice.

Fittings

The pipe fittings can be plain ended for butt welding or have stubs fitted for flanges. Permissible working pressure is 60% of class of pipe used to fabricate fittings

Storage

Pipe should be stored on level, flat ground, free of stones or sharp protrusions. The height of the stacked pipes should not exceed 5 coils. Normal exposure to sunlight will not damage the pipe

Notes

The HDPE pipe dimensions and pressure classes in the SANS ISO 4427 specifications remain unchanged when compared to the SANS 533: Part 2 and 3 specifications

PSL 3.1 GENERAL

ADD THE FOLLOWING PARAGRAPHS:

'Each type of pipe delivered to the Site shall be of a standard length corresponding to the standard lengths offered by the pipe manufacturer in his catalogue, with a maximum permissible variation in length of $\pm 2\%$.

A pipe that is shorter or longer than the defined standard will be rejected by the Engineer, except when such non-standard lengths are required in terms of the Contract and have been specifically manufactured or cut as such by the pipe manufacturer or supplier."

PSL 5.12 PIPELINE ROUTE MARKERS

Route markers for the various water pipelines shall be erected in the positions and shall be manufactured according to the approved standards."

PSL I TESTING

PSL 7.3 STANDARD HYDRAULIC PIPE TEST

PSL 7.3.1 Test pressure and time of test

PSL 7.3.1.2 The maximum working pressure for the different pipes is indicated by the class of the pipe.

PSL 8 MEASUREMENT AND PAYMENT

PSL 8.2 SCHEDULED ITEMS

PSL 8.2.11 Anchor blocks/Thrust blocks and pedestals

*INSERT 'concrete' BEFORE 'and' IN THE LAST LINE OF THE
LAST PARAGRAPH. ADD THE FOLLOWING:*

"The tendered rates shall also include the wrapping of uPVC pipes and fittings with Densopol 80 or a similar approved material where the pipes and fittings come into contact with concrete."

ADD THE FOLLOWING ITEMS:

PSL 8.2.16 Pipeline route markers:

- (a) (Give description with reference to drawing) Unit: number
- (b) Etc for other descriptions

The tendered rate shall include full compensation for all excavation and backfill, labour, equipment and materials to manufacture and install the markers as shown on the Drawings.

PSLB BEDDING (PIPES)

PSLB 3 MATERIALS

PSLB 3.1 SELECTED GRANULAR MATERIAL

REPLACE THE CONTENTS OF THIS SUBCLAUSE W177-1 THE FOLLOWING.

"Selected granular material shall have a PI not exceeding 6 and shall be free from sharp-edged particles exceeding **19** mm."

PSLB 3.4 SELECTION

PSLB 3.4.1 Suitable material available from trench excavation

*REPLACE THE WORDS "(but is not required)" IN THE FIFTH LINE WITH
THE WORDS "(at his own cost)".*

PSLB 8 MEASUREMENT AND PAYMENT

PSLB 8.1 PRINCIPLES

PSLB 8.1.5 Disposal of displaced material

REPLACE THE CONTENTS OF THIS SUBCLAUSE WITH THE FOLLOWING:

"Material displaced by the pipeline and by imported material from sources other than trench excavation, shall be disposed of at an approved site furnished by the Contractor. No haulage is payable for such material."

PSLB 8.2 SCHEDULED ITEMS

ADD THE FOLLOWING ITEM:

"PSLB 8.2.6 Extra over items 8.2.1 and 8.2.2 for bedding stabilized with 5% cement Unit: m³

The tendered rate shall include full compensation for selecting, providing stabilization agent, mixing, backfilling and compacting the stabilized material to 93 % of modified AASHTO density."



MIDVAAL LOCAL MUNICIPALITY

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C4 SITE INFORMATION

C4.1 SITE INFORMATION.....237

C4.2 LOCALITY MAP.....238

C4.1 SITE INFORMATION

All site information should accommodate all areas of Midvaal Local Municipality.

1. DRAWINGS

The work will be carried out in accordance with the contract drawings which will be issued to the successful Tenderer and which will form part of the Contract Documents.



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C4.2 LOCALITY MAP

ALL AREAS WITHIN THE MIDVAAL LOCAL MUNICIPALITY JURISDICTION.



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C5 ENVIRONMENTAL MANAGEMENT PLAN

Environmental mitigation measures are actions needed to align a project implementation phase with environmental control principles, where potential impacts to the natural and social environment are prevented, minimised or remediated. Environmental safeguarding is governed by various sets of legislation, with the most noteworthy for this project constituting the National Environmental Management Act (No. 107 of 1998) and the National Water Act (No. 36 of 1998).

C.5 ENVIRONMENTAL MANAGEMENT PLAN

C.5.1 INTRODUCTION

The EMP will address the environmental impacts during the construction and operational phases of a project. Due regard must be given to environmental protection during the entire project. In order to achieve this, a number of environmental specifications/recommendations are made. These are aimed at ensuring that the contractor maintains adequate control over the project in order to:

- Minimize the extent of impact during construction.
- Ensure appropriate restoration of areas affected by construction.
- Prevent long-term environmental degradation.

The contractor must be made aware of the environmental obligations that are stipulated in this document, and declares himself/ herself to be conversant of all relevant environmental legislation. The contractor should also be aware that the Engineer will monitor the implementation of the procedures.

C.5.2 POLICY STATEMENT

The Construction will be to the best management practices as identified to minimize the environmental impact of activities associated with the development.

C.5.3 OBJECTIVES OF THE EMP

The EMP has the following goals:

- Identifying those construction activities that may have a detrimental impact on the environment
- Detailing the mitigation measures that will need to be taken and the procedures for their Implementation;
- Establishing the reporting system to be undertaken during the construction

The EMP also reserves to highlight specific requirements that will be monitored during the development and should the environmental impacts not have been satisfactory prevented or mitigated, corrective action will have to be taken. The document should therefore be seen as a guideline that will assist in minimizing the potential environmental impact of activities.

C.5.4 DESIGNATED ENVIRONMENTAL OFFICER

For the purpose of the EMP, a nominated representative of the contractor should be the designated environmental officer for the project. The nominated representative of the contractor will be responsible for ensuring that the provisions of the EMP are complied with. The Engineer will be responsible for issuing instructions to the contractor where environmental considerations call for action to be taken. The environmental office will submit monthly reports to the Engineer on the site who will verify the information.

C.5.5 LEGAL REQUIREMENTS

Under normal circumstances and EMP would be the end result or the final stage in the EIA procedure. However a working agreement was negotiated between the National Department of Environmental Affairs and Tourism (DEAT) and the agency. The agreement stipulates the project types the agency needs to submit to DEAT for approval and those project types the agency do not need to submit for approval. For those actions that do not need approval the agency undertook to compile generic EMP's to assist to minimize degradation to the area. The following project types fall in this non-approval category: periodic maintenance, special maintenance, rehabilitation and specific upgrades.

C.5.6 MITIGATION MEASURES

In setting mitigation, the practical implications of executing these measures must be in mind. With early planning both the cost and the impacts can be minimized.

C.5.6.1 Establishment of Offices

C.5.6.1.1 Site plan

The contractor shall provide the Engineer on site with a plan detailing the layout of site offices facilities, such as chemical toilets, areas for stockpiling of material, storage and provision of containers. The site offices should not be sited in close proximity to steep areas as this will increase soil erosion. Preferred locations would be flat areas along the route. If the route traverses water causes, streams and rivers, it is recommended that the site, and in particular the ablution facilities, aggregate stockpiles and hazardous material stockpiles are located as far away as possible from any water course.

The site plan shall be submitted before the site hand over meeting. Read with SANS 1200A, AB and C.

C.5.6.1.2 Vegetation

The vegetation surrounding the site offices to be left as intact as possible and vegetation planted at the site should be indigenous. Only trees directly affected by the works and such others as may be indicated by the Engineer in writing, may be sawn off/removed.

The project specification for the rehabilitation of the grass cover shall be strictly adhered to. Any proclaimed weed or alien invader plant shall be cleared by hand before seeding.

C.5.6.1.3 Rehabilitation

The site offices will require rehabilitation at the end of the contract. All construction material, including concrete slabs and braai areas are to be removed from the site on completion of the contract. Read with SANS 1200A, AB and C.

C.5.6.4. Water for human consumption

Water for human consumption must be tested and treated in accordance with recommendations.

C.5.6.2 Sewage Treatment

Adequate toilet facilities are to be provided. Use of the veld for this purpose shall not, under any circumstances, be allowed. The contractor shall be responsible for enforcing their use and for maintaining such latrines in a clean and sanitary condition to the satisfaction of the Engineer.

Latrines shall be positioned within walking distance from wherever employees are employed on the Works.

Save and effective sewage treatment will require one of the following sewage handling methods: Septic tanks and soak always dry composting toilets such as “enviro loos” or the use of chemical toilets which are supplied and maintained by a subcontractor. The type of sewage treatment will depend on the geology of the area selected, the duration of the contract and proximity (availability) of providers of chemical toilets is to be in consultation with the site engineer.

Read with clause C3.4.2.1 (c) and C3.4.2.2 (d)

C.5.6.3 Waste Management

Waste management and waste minimization must be implemented at the outset of the contract.

C.5.6.3.1 Litter

No littering by construction workers must be allowed. During the construction period shall be maintained in a neat and tidy condition and the site is to be kept free of litter.

C.3.6.3.2 Removal of solid waste

Solid waste is to be stored in an appointed area for collection and disposal. A refuse system must be established for the collection and removal of refuse to the satisfaction of the Engineer. Disposal of solid waste with the Department of Water Affairs (DWA) licensed landfill site. Read with clause C3.4.2.1(c) and C3.4.2.2 (d)

C.3.6.3.3 Hazardous waste

Hazardous waste such as bitumen, tar, oils etc. shall be disposed of in a Department of Forestry approved landfill site. Special care must be taken when using tar products such as tar prime or pre-coating fluid to avoid water-soluble phenols from entering the ground or contaminating water.

C.5.6.4 SOIL MANAGEMENT

C.3.6.3.4.1 Topsoil

The contract provides for the stripping and stockpiling of topsoil from the site or later reuse. Topsoil is considered to be of a minimum thickness of ± 300 mm of the natural soil, including all the vegetation and organic matter. The areas to be cleared of topsoil shall include the storage areas. Weeds appearing on the stockpiled topsoil shall be removed by hand before seeding. Soil contaminated by hazardous substances shall be disposed of in an approved Department of Water and Sanitation waste disposal site.

C.5.6.5 Borrow Material

The contractor's attention is drawn to the requirements set forth by the Department of Mineral and Energy Affairs in terms of the submission of EMPR's for establishment; operation and rehabilitation of borrow pits and quarries. The cost of complying with the requirements shall be deemed to be included in the existing rates in the Bill of Quantities.

C.5.6.6 Discovery of archaeological sites, artefacts or graves

C5.6.6.1 Archaeological site

If an artefact on site is uncovered, work in the immediate vicinity must be stopped immediately. The contractor shall take reasonable precautions to prevent any person from removing or damaging any such article and shall immediately upon discovery thereof inform the Engineer of such discovery. The national Monuments Council must be contacted who will appoint an archaeological consultant. Work may only resume once clearance is given in writing by the archaeologist.

C.5.6.6.2 Graves

If a gravesite is uncovered, work in the immediate vicinity must be stopped and an undertaker as well as the National Monuments Council should be contacted. The undertaker will place advertisements in the newspapers concerning the grave. He will also provide for the relocation of bones, should it be necessary.

C.5.6.7 Stockpiled Material

The contractor shall also plan his activities that materials excavated from borrow pits and cuttings, in so far as possible, can be transported direct to and placed at the point where it is to be used. However, should temporary stockpiling become necessary, the areas for the stockpiling of excavated and imported material must be indicated and demarcated on the site plan and approved in writing by the Engineer.

The area chosen shall be devoid of indigenous trees and shrubs. Care shall be taken to preserve all vegetation in the immediate area of these temporary stockpiles. After the stockpiled material has been removed, the site shall be reinstated as closely as possible to its original condition. All areas affected by stockpiling shall be landscaped, top soiled and grassed to the Engineer's approval at the contractor's cost.

Material milled out of the existing road surface that is temporarily stockpiled within the road reserve shall:

- be stockpiled so as to be inconspicuous as possible
- be prevented from contaminating water courses
- be cleared of weeds

In all cases, the areas for stockpiling and disposal of construction rubble shall be approved by the Engineer before such operation commences.

C.5.6.8.1 Hazardous Materials

All hazardous materials i.e. bitumen binders shall be stored in an appointed area that is fenced and has restricted entry. Storage of bituminous products shall only take place using suitable containers to the approval of the Engineer.

Under no circumstances shall the spoiling of bituminous products on the site over embankments, in borrow pits or any burying be allowed. Unused or rejected bituminous products shall be taken to the supplier production plant. No spillage of bituminous products shall be allowed on site. Affected areas shall be promptly reinstated to the satisfaction of the Engineer.

C.5.6.8.2 Fuel

Should any fuel storage tank be on site, the contractor shall ensure that he has complied with the necessary legal requirements for the erection of such tanks. Leakage must be avoided. The fuel and diesel areas should be bounded to accommodate any spillage or overflow from these activities.

C.5.6.8.3 Oil, grease

Oil, grease and cleaning materials from the maintenance of vehicles and machinery shall be collected in a sump and sent back to the supplier or, otherwise disposed of at a registered site.

C.5.6.8.4 Cooking Oil

The contractor should ensure that sufficient fuel is available for heating and cooking purposes should this be necessary.

C.5.6.8.5 Spillages

Streams, rivers and dams must be protected from direct spillage such as refuse, garbage, cement, sewage, chemicals, fuels, oils, aggregate, tailings, wash water, organic materials and bituminous products. In the event of a spillage, prompt action must be taken by competent instances to clear the affected area.

C.5.8.6 General Consideration

Complaints received regarding activities on the construction site pertaining to the environment shall be recorded in a designated register and the response noted with the date and action taken. This record must be submitted with the monthly reports.

Any avoidable non-compliance with the above mentioned measures may be considered sufficient ground for withholding payment of part or all amounts to be paid for the said item.

C.5.6.7 MEASUREMENT AND PAYMENT

The contractor shall not be separately reimbursed or compensated in respect of his compliance with the provisions of this section C 5.6 of the project specifications. All costs so incurred shall, save and except to the extent provided for the Bill of Quantities under SECTION 1200 A: CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS, be deemed in the rates bided for the various items of work listed in the Bill of Quantities.



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BASIS FROM THE DATE OF AWARD UNTIL 30 JUNE 2027**

C6 REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATION

6.1 SCOPE

This part of the specification has the objective to assist principal contractors entering into contracts with The Employer that they comply with the Occupational Health and Safety (OH&S) Act, No 85 of 1993. Compliance with this document does not absolve the principal contractor from complying with minimum legal requirements, and the principal contractor remains responsible for the health and safety of his employees and those of his Mandataries. Principal and other contractors should therefore insist that this part of the specification form part of any contract that he may have with other contractors and/or suppliers.

This section covers the development of a health and safety specification that addresses all aspects of occupational health and safety as affected by this contract. It provides the requirements that the principal contractors and other contractors shall comply with in order to reduce the risks associated with this contract that may lead to incidents causing injury and/or ill health.

Due cognizance shall be taken of the DRAFT CONTRACTUAL AGREEMENT FOR MIDVAAL LOCAL MUNICIPALITY AREA OUTSIDE CONTRACTORS. This agreement will apply to this project.

6.2 GENERAL OCCUPATIONAL HEALTH AND SAFETY PROVISIONS

6.2.1 Hazard Identification and Risk Assessment (Construction Regulation 7)

6.2.1.1 Risk Assessments

Paragraph 4 contains a generic list of risk assessment headings that have been identified by The Employer as possibly applicable to this contract. It is, by no means, exhaustive and is offered as assistance to contractors intending to bid.

6.2.1.2 Development of Risk Assessment

Every principal contractor performing construction work shall, before the commencement of any construction work or work associated with the aforesaid construction work and during such work, cause a risk assessment to be performed by a competent person, appointed in writing, and the risk assessment shall form part of the OH&S plan and be implemented and maintained as contemplated in Construction Regulation 5(1).

The risk assessment shall include at least:

- the identification of the risks and hazards to which persons may be exposed
- the analysis and evaluation of the risks and hazards identifies
- a documented plan of safe work procedures to mitigate, reduce or control the risks and hazards that have been identified.
- a monitoring plan and
- a review plan

Based on the risk assessment, the principal contractor shall develop set site-specific OH&S rules that shall be applied to regulate the OH&S aspects of the construction. The risk assessment, together with the site-specific OH&S rules shall be submitted to The Employer before construction on site commences.

Despite the risk assessment listed in paragraph 4, the principal contractor shall conduct a baseline risk assessment and the aforesaid risk assessment shall be incorporated into the baseline risk assessment. The baseline assessment shall further include the standard working procedures and the applicable method statements based on the risk assessments.

All variations to the scope of work shall similarly be subjected to a risk assessment process.

6.2.1.3 Review of Risk Assessment

The principal contractor shall review the hazard identification, risk assessments and standard working procedures at each production planning and progress report meetings as the contract work develops and progresses and each time changes are made to the designs, plans and construction methods and processes. The principal contractor shall provide The Employer, other contractors and all other concerned parties with copies of any changes, alterations or amendments as contemplated in paragraph 2.1.3.

6.2.2 Legal Requirements

A principal contractor shall, as minimum, comply with:

The Occupational Health and Safety Act and Regulations (Act 85 of 1993), an up to date copy of which shall be available on site at all times.

The Compensation or Occupational Injuries and Diseases Act (Act 130 of 1993), an up to date copy of which shall be available on site at all times.

Where work is being carried out on a “mine”, the contractor shall comply with the Mines Health and Safety Act and Regulations (Act 29 of 1960) and any other OH&S requirements that the mine may specify. An up-to-date copy of the Mine’s Health and Safety Act and Regulations shall be available on site at all times.

6.2.3 Structure and Responsibilities

It is a requirement that the principal contractor, when he appoints contractors (Sub-contractors) in terms of Construction Regulations 5(3), 5(5), 5(10), and 5(12) includes in his agreement with such contractors the following:

- OH& S Act (85 of 1993), Section 37(2) agreement: “Agreement with Mandatory”
- OH&S Act (85 of 1993), Section 16(2) appointee/s as detailed in his / her/ their respective appointment forms.

6.2.2.3 Further (Specific) Supervision Responsibilities for OH & S

The contractor shall appoint designated competent employees and/or other competent persons as required by the Act and Regulations. Below is a generic list of identified appointments and may be used to select the appropriate appointments for this contract. The contractor shall note it is a generic list only and is intended for use as a guideline.

	Ref. Section/ Regulation in OHS Act	
6(1)	Batch Plant Supervisor	(Construction Regulation
	Construction Vehicles/ Mobile Plant/ Machinery Supervisor	(Construction Regulation 21)
	Demolition Supervisor	(Construction Regulation 12)
	Drivers/Operators of Construction Vehicles/ Plant	(Construction Regulation 21)
	Electrical Installation and Appliances Inspector	(Construction Regulation 22)
	Emergency/Security/Fire Control	(Construction Regulation 27)
	Excavation Supervisor	(Construction Regulation 11)
	Explosive powered Tool Supervisor	(Construction Regulation 19)
	Fall Protection Supervisor	(Construction Regulation 8)
	First Aider	(Construction Regulation 3)
	Fire Equipment Inspector	(Construction Regulation
27)	Formwork & Support work Supervisor	(Construction Regulation 10)
	Hazardous Chemical Substances Supervisor (HCS Regulations)	
	Incident Investigator	(General Admin Regulation 29)
	Ladder Inspector	(General Safety Regulation
13A)	Lifting Equipment Inspector	(Construction Regulation 20)
	Material Hoist Inspector	(Construction Regulation 17)
	OH&S Committee	(OH&S Section 19)
	OH&S Officer	(Construction Regulation
6(6)	OH&S Representatives	(OHSAct Section 17)
	Person Responsible for Machinery	General Machinery
Regulation 2)	Scaffolding Supervisor	(Construction Regulation 14)
	Stacking & Storage Supervisor	(Construction Regulation 26)
	Structures Supervisor	(Construction Regulation 9)
	Suspended Platform Supervisor	(Construction Regulation 15)
	Tunnelling under Pressure Supervisor	(Construction Regulation 13)
	Vessel under Pressure Supervisor	(Vessel under Pressure Regulations)
	Working on/next to Water Supervisor	(Construction Regulation 24)
	Welding Supervisor	(General Safety Regulation
9)		

In addition The Employer requires that a Traffic Safety Officer be appointed (see COLTO Section 1500). The above appointments shall be in writing and the responsibilities clearly stated together with the period for which the appointment is made. This information shall be communicated and agreed with the appointees. Notice of appointments shall be submitted to The Employer. All changes shall also be communicated to the Employer.

The principal contractor or shall, furthermore, provide The Employer with an organogram of all contractors that he/she has appointed or intends to appoint and keep this list updated and prominently displayed on site.

Where necessary, or when instructed by an inspector of the Department of Labour, the principal contractor shall appoint a component safety officer.

6.2.3.3 Designation of OH&S Representatives (Section 17 of the OH&S Act)

Where the principal contractor employs more than 20 persons (including the employees of other contractors (sub-contractors) he has to appoint one OH&S representatives for every 5 employees or part thereof. General Administrative Regulation 6 requires that the appointment or election and subsequent designation of the OH&S representatives be conducted in consultation with employee representatives or employees. (Section 17 of the Act and General

Administrative Regulation 6 & 7). OH&S representatives shall be designated in writing and the designation shall include the area of responsibility of the person and term of the designation.

6.2.3.4 Duties and Functions of the OH&S representatives (Section 18 of the OH&S Act)

The principal contractor shall ensure that the designated OH&S representatives conduct continuous monitoring and regular inspections of their respective areas of responsibility using a checklist and report thereon to the principal contractor. OH&S representatives shall be included in accident or incident investigations. OH&S representatives shall attend all OH&S committee meetings.

6.2.3.5 Appointment: of OH&S Committee (Section 19 and 20 of the OH&S Act)

The principal contractor shall establish an OH&S committee, which shall meet as specified in the Regulations.

6.2.4 Administrative Controls and the Occupational Health & Safety File

6.2.4.1 The OH&S File (Construction Regulation 5 (7))

As required by the Construction Regulation 5(7), the principal contractor and other contractors shall each keep an OH&S file on site. The following list is not exhaustive and shall only be used as a guide:

- Notification of construction work (Construction Regulation 3)
- Latest copy of OH&S Act (General Administrative Regulation 4)
- Proof of registration and good standing with COID Insurer (Construction Regulation 4(g))
- OH&S plan agreed with the client including the underpinning risk assessment/s and method statements (Construction Regulation 5(1))
- Copies of OH&S committee and other relevant minutes
- Designs/Drawings (Construction Regulation 5(8))
- A list of contractors (sub-contractors) including copies of the agreements between the parties and the type of work being done by each contractor (Construction Regulation 9)
- Appointment/designation forms as per paragraphs 2.1.1 and 2.1.2
- Registered as follows:
 - Accident/incident register (Annexure 1 of the General Administrative Regulations)
 - OH&S representatives' inspection register
 - Asbestos demolition and stripping register
 - Batch plant inspections
 - Construction vehicles and mobile plant inspections by controller
 - Daily inspection of vehicles, plant and other equipment by the operator/driver/user
 - Demolition inspection register
 - Designer's inspection of structures record
 - Electrical installations, equipment and appliances including portable electrical tools)
 - Excavations inspector
 - Explosive powered tool inspection, maintenance, issue and returns register (incl. Cartridges and nails)
 - Fall protection inspection register
 - First aid box contents
 - Fine equipment inspection and maintenance
 - Formwork and support work inspections
 - Hazardous chemical substances record
 - Ladder inspections

- Lifting equipment register
- Materials hoist inspection register
- Machinery safety inspection register (incl. Machine guards, lock-outs etc.)
- Scaffolding inspections
- Stacking and storage inspection
- Inspection of structures
- Inspection of suspended platforms
- Inspection of tunnelling operations
- Inspection of vessels under pressure
- Welding equipment inspections
- Inspection of work conducted near water
- All other applicable records including traffic safety officer reports.

The Employer will conduct an audit on the OH&S file of the principal constructor from time-to time.

6.2.5 Notification of Construction Work (Construction Regulation 3)

The principal constructor shall, where the contract meets the requirements laid down in Construction work and use the form (Annexure A in the Construction Regulations) for the purpose. A copy shall be kept on the OH&S file and a copy shall be forwarded to The Employer for record keeping purposes.

6.2.6 Training and Competence

The contents of all training required by the Act and Regulations shall be included in the principal contractor's OH&S plan. The principal contractor shall be responsible for ensuring that all relevant training is undertaken.

Only accredited service providers shall be used for OH&S training. The principal contractor shall ensure that his and other contractor's personnel appointed are competent and that all training required to do the work safely and without risk to health, has been completed before work commences. The principal contractor shall ensure that follow-up and refresher training is conducted as the contract progresses and the work situation changes. Records of all training must be kept on the OH&D file for auditing purposes.

6.2.7 Consultations, Communication and Liaison

OH&S liaison between the client, the principal contractor, the other contractors, the designer and other concerned parties will be through the OH&S committee as contemplated in paragraph 2.3.5. In addition to the above, communication may be directly to the client or his appointed agent, verbally or in writing, as and when the need arises.

Consultation with the workforce on OH&S matters will be through their supervisions, OH&S representatives and the OH&S committee. The principal contractor shall be responsible for the dissemination of all relevant OH&S information to the other contractors e.g. design changes agreed with the client and the designer, instructions by the client and/or/his/her agent, exchange of information between contractors, the reporting of hazardous/dangerous conditions/situations etc. The principal contractor's most senior manager on site shall be required to attend all OH&S meetings.

6.2.8 Checking Reporting and Corrective Actions

6.2.8.1 Monthly Audit by Client (Construction Regulation 4(1) (d))

The Employer will conduct monthly audits to comply with Construction Regulation 4(1)(d) to ensure that the principal contractor has implemented and is maintaining the agreed and approved OH&S plan.

6.2.8.2 Other Audits and Inspections by The Employer

The Employer reserves the right to conduct other hoc audits and inspections as deemed necessary. This will include site safety walks.

6.2.8.3 Contractor's Audits and Inspections

The principal contractor is to conduct his own monthly internal audits to verify compliances with his own OH&S management system as well as this specification.

6.2.8.4 Inspections by OH&S Representatives and other Appointees

OH&S representatives shall conduct weekly inspections of their areas of responsibility and report thereon to their foreman or supervisor whilst other appointees shall conduct inspections and report thereon as specified in their appointments e.g. vehicle and machinery drivers, operators and users must conduct daily inspections before start-up.

6.2.8.5 Recording and Review of Inspection Results

All the results of the above mentioned inspections shall be in writing at OH&S committee meetings, endorsed by the chairman of the meeting and placed on the OH&S File.

6.2.9 Accidents and Incident Investigation (General Administrative Regulation 9)

The principal contractor shall be responsible for the investigation of all accidents/incidents where employees and non-employees were injured to the extent that he/she/they had to be referred for medical treatment by a doctor, hospital or clinic. The results of the investigations shall be entered into an accident/incident register listed in paragraph 2.4.1.

The principal contractor shall be responsible for the investigation of all minor and non-injury incidents as described in Section 24 (1) (b) & (c) of the Act and keeping a record of the results of such investigations including the steps taken to prevent similar accidents in future.

6.2.10 Reporting

The principal contractor shall provide the Employer with copies of all statutory reports required in terms of the Act within 7 days of the incident occurring.

6.3 OPERATIONAL CONTROL

6.3.1 Operational Procedures

Each construction activity shall be assessed by the principal contractor so as to identify operational procedures that will mitigate against the occurrence of an incident during the execution of each activity. This specification requires the principal contractor:

- to be conversant with Regulations 8 to 29 (inclusive)
- to comply with their provisions
- to include them in his OH&S plan where relevant

6.3.2 Emergency Procedure

Simultaneous with the identification of operational procedures (per paragraph 3.1 above), the principal contractor shall similarly identify and formulate emergency procedures in the event an incident does occur. The emergency procedures thus identified shall also be included in the principal contractor's OH&S plan.

6.3.3 Personal & Other Protective Equipment (Section 8/ 15/ 23 of the OH&S Act)

The contractor shall identify the hazards in the workplace and deal with them. He must either remove them or, where impracticable, take steps to protect workers and make it possible for them to work safely and without risk to health under the hazardous conditions.

Personal protective equipment (PPE) should, however, be the last resort and there should always first be an attempt to apply engineering and other solutions to mitigating hazardous situations before the issuing of PPE is considered.

Where it is not possible to create an absolutely safe and healthy workplace the contractor shall inform employees regarding this and issue, free of charge, suitable equipment to protect them from any hazards being present and that allows them to work safely and without risk to health in the hazardous environment.

It is a further requirement that the contractor maintain the said equipment, that he instructs and trains the employees in the use of the equipment and ensures that the prescribed equipment is used by the employee/s.

Employees do not have the right to refuse to use/wear the equipment prescribed by the employer and, if it is impossible for an employee to use or wear prescribed protective equipment through health or any other reason, the employee cannot be allowed to continue working under the hazardous condition/s for which the equipment was prescribed but an alternative solution has to be found that may include relocating or discharging the employee.

The principal contractor shall include in his OH&S plan the PPE he intends issuing to his employees for use during construction and the sanctions he intends to apply in cases of non-conformance by his employees. Conformance to the wearing of PPE shall be discussed at the weekly inspection meetings.

6.3.4 Other Regulations

Wherever in the Construction Regulations or this specification there is reference to other regulations (e.g. Construction Regulation 22: Electrical and Machinery on Construction Sites) the principal contractor shall be conversant with and shall comply with these regulations.

6.3.5 Public Health and Safety (Section 9 of the OH&S Act)

The principal contractor shall be responsible for ensuring that non-employees affected by the construction work are aware of the dangers likely to arise from said construction work as well as the precautionary measures to be observed to avoid or minimize those dangers. This includes:

- Non-employees entering the site for whatever reason
- The surrounding community
- Passers-by to the site

6.4 PROJECT/S SPECIFIC REQUIREMENTS

6.4.1 List of Risk Assessments

- Clearing and Grubbing of the areas/site
- Site establishment including:
 - Offices
 - Secure/safe storage for materials and equipment
 - Ablutions
 - Sheltered eating area
 - Maintenance workshop
 - Vehicle access to the site
- Dealing with existing structures
- Location of existing services
- Installation and maintenance of temporary construction electrical supply, lightning and equipment
- Adjacent land uses/surrounding property exposures
- Boundary and access control/public liability exposures (NB: the employer is also responsible for the OH&S of the non-employees affected by his/her work activities)
- Health risks arising from neighbouring as well as own activities and from the environment e.g. threats by dogs, bees, snakes and lightning etc.
- Exposure to noise
- Exposure to vibration
- Protection against dehydration and heat exhaustion
- Protection from wet and cold conditions
- Dealing with HIV/AIDS and other diseases
- Use of portable electrical equipment including
 - Angle grinder
 - Electrical drilling machine
 - Still saw
- Excavation including
 - Ground/soil conditions
 - Trenching
 - Shoring
 - Drainage of trench

- Welding including
 - Arc welding
 - Gas welding
 - Flame cutting
 - Flame cutting
 - Use of LP gas torches and appliances
- Loading and offloading of truck
- Aggregate/sand and other materials delivery
- Manual and mechanical handling
- Lifting and powering operators
- Driving and operation of construction vehicles and mobile plant including.
- Trenching machine
- Use and storage of flammable liquids and other hazardous substances
- Layering and bedding
- Installation of pipes in pipelines
- Backfilling trenches
- Protection against flooding
- Gabion work
- Use of explosive
- Protection from overhead power lines
- As discovered by the principal contractor's hazard identification exercise
- As discovered from any inspection and audits conducted by the client or by the principal contractor or any other contractor on site
- As discovered from any accident/incident investigation