

	REQUEST FOR BID PLANT AND DESIGN BUILD	Form No: RW SCM 00045 F Revision No: 04 Effective Date: April 2021
---	---	--

BID NUMBER: 10384657/22

DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

MINIMUM CIDB CONTRACTOR GRADING FOR THIS BID: 8 ME or Higher

ISSUE DATE:	MONDAY, 21 FEBRUARY 2022	
NON-COMPULSORY BRIEFING SESSION DATE:	NO SITE BRIEFING WILL BE CONDUCTED ON RAND WATER PREMISES. HOWEVER BRIEFING PRESENTATION WILL BE UPLOADED ON THE RAND WATER PORTAL AND NATIONAL TREASURY WEBSITE	
BRIEFING SESSION VENUE:	BRIEFING PRESENTATION WILL BE UPLOADED ON THE RAND WATER PORTAL AND NATIONAL TREASURY WEBSITE	
CLOSING DATE:	THURSDAY, 31 MARCH 2022	AT 12 :00PM
SITE VIEWING DATE/S:	09 MARCH 2022 AT 12: 00PM VEREENIGING PUMPING STATION	

BIDDER INFORMATION				
BIDDER NAME				
POSTAL ADDRESS				
STREET ADDRESS				
TELEPHONE NUMBER	CODE		NUMBER	
CELLPHONE NUMBER				
E-MAIL ADDRESS 1				
E-MAIL ADDRESS 2				
VAT REGISTRATION NUMBER			CIDB GRADING	
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		CENTRAL SUPPLIER DATABASE No:	MAAA.....

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	[TICK APPLICABLE BOX] ☐ Yes ☐ No	B-BBEE STATUS SWORN AFFIDAVIT (EMEs and QSEs)	[TICK APPLICABLE BOX] ☐ Yes ☐ No
---	---	--	---

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:			
BUYER		SOURCING MANAGER	
CONTACT PERSON	VONGANI MAGEZA	CONTACT PERSON	NTIKANE RADEBE
TELEPHONE NUMBER	SCM is currently not available on landline numbers due to Covid19. Please submit correspondence via email	TELEPHONE NUMBER	SCM is currently not available on landline numbers due to Covid19. Please submit correspondence via email
E-MAIL ADDRESS (Enquires must be made to this address)	vmageza@randwater.co.za	E-MAIL ADDRESS	nradebe@randwater.co.za

TABLE OF CONTENTS

SECTION A: BID.....	3
PART T1: BIDDING PROCEDURES.....	3
T1.1. BID NOTICE AND INVITATION TO BID	3
T1.2. BID DATA.....	5
T1.3. EVALUATION CRITERIA	9
PART T2: RETURNABLE DOCUMENTS.....	15
T2.1. LIST OF RETURNABLE DOCUMENTS.....	15
T2.2. RETURNABLE SCHEDULES.....	19
SECTION B: CONTRACT.....	72
PART C1: AGREEMENT AND CONTRACT DATA	72
C1.1. FORM OF OFFER AND ACCEPTANCE	72
C1.2. CONTRACT DATA	76
PART C2: PRICING DATA	86
C2.1. PRICING ASSUMPTIONS	86
C2.2. PRICING SCHEDULES / BILLS OF QUANTITIES (BoQ)	87
PART C3: SCOPE OF WORK	89
C3.1. DATES FOR DELIVERY AND COMPLETION	89
C3.2. SCOPE OF WORK	90
PART C4: SITE INFORMATION.....	99
C4. SITE INFORMATION.....	Error! Bookmark not defined.

SECTION A: BID

PART T1: BIDDING PROCEDURES

T1.1. BID NOTICE AND INVITATION TO BID

Rand Water invites bids for the: Design, manufacture, supply, delivery, installation, commissioning and putting into service of an electrical & small power and lighting installation and associated works at the Vereeniging cathedral header and engine room 4 valve isolation chambers at Vereeniging pumping station The technical requirements for the equipment are fully stated in the bid documentation. Potentially emerging or other enterprises that satisfy criteria stated in the Bid Data portion of the document may submit their bid offers.	
Minimum Contractor CIDB Grading Required	8 ME or Higher Contractors shall have a Contractor grading equal to or higher than a contract grading designated above.
Contracting Strategy	Design and Build
Classification	Complex work
Procurement Procedure	Rand Water uses a single volume approach.
Awarding Strategy	The maximum number of suppliers to be awarded this bid is <u>ONE (1)</u> .
Access to the Bid Documents	The bid documents are downloadable on the National Treasury e-Tender Publication portal which can be accessed through the following link: http://www.etenders.treasury.gov.za. No bid documents will be issued to bidders at site meetings. Please ensure that bid documents have been downloaded from the National Treasury e-Tender Publication portal prior to the site meeting date. Bids shall only be submitted on the bid documentation that is issued by the Employer. This bid document (as issued through the National Treasury e-Tender Publication portal) must be submitted in full together with the returnable documents.
Bid Clarifications	Bidders can seek clarification by no later than fifteen (15) calendar days before the bid closing date. Rand Water will provide a final response on clarifications by no later than ten (10) calendar days before the closing date.
Bid Addenda	Rand Water shall issue addenda, where applicable, by no later than ten (10) calendar days before the closing date. Bid addenda will be published on the eTender Publication Portal.

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

Bid Location	Bids must be submitted before or on closing date and time at the following address: <i>Rand Water Head Office 522 Impala Road Glenvista 2058 (in the Bid Submissions Box at the Main Gate)</i>
Bid Validity	To be valid for 180 calendar days after closing date Rand Water reserves the right to extend the validity period for a period reasonable for business requirements.
Subcontracting	Bidders must utilise the National Treasury's Central Supplier Database (CSD) for identification of potential subcontractors from the pool of EMEs or QSEs to advance designated groups. The responsibility to subcontract with competent and capable subcontractors rests with the main contractor/ supplier. As far as possible, the bidder must consider subcontractors from the area/s where the project will be taking place. Where CIDB related works are subcontracted, each Subcontractor must also be registered with the appropriate CIDB grading in accordance with the value of the work to be undertaken by that Subcontractor.
Rotation of Suppliers	In the spirit of providing equal opportunities to potential suppliers and in view of not supporting monopolies, Rand Water shall apply rotation of suppliers to ensure equitable share in Rand Water's awarded contracts.
Site Viewing Date/s, Time and Venue	09 March 2022 12:00pm Vereeniging Pumping Station

T1.2. BID DATA

The conditions of this bid are the Standard Conditions of Tender as contained in the document *CIDB Standard for Uniformity in Engineering and Construction Works Contracts (August 2019) Annexure C* and may be obtained from the CIDB.

The Standard Conditions of Tender for Procurement make several references to the Bid Data for details that apply specifically to this bid. The Bid Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender.

The contractor shall achieve in the performance of the contract the Contract Skills Development Goal (CSDG) established in the Standard for Developing Skills through Infrastructure Contracts (published in GN 43495 of 20 March 2020).

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

CLAUSE NUMBER (CIDB)	BID DATA
C.1.1	The Employer is Rand Water.
C.1.2	The bid documents issued by the Employer are detailed on the contents page of this bid document.
C.1.4	The Employer's Representative/s is stated on the cover page of this bid document.
C.1.6.3	The Employer shall evaluate this bid in accordance with the evaluation criteria stated in this bid.
C.2.1	<i>Only those Bidders who are registered with the cidb, or are capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations, for a 8 ME or Higher class of construction work, are eligible to have their tenders evaluated.</i> <i>Joint ventures are eligible to submit bids provided that:</i> <i>1. every member of the joint venture is registered with the cidb;</i> <i>the lead partner has a contractor grading designation in the 8 ME or Higher class of construction work; or not lower than one level below the required grading designation in the class of works construction works under considerations and possess the required recognition status.</i> <i>3. the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a or 8 ME or Higher class of construction work or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations.</i>

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

C.2.7	The arrangement for a non-compulsory site meeting (where applicable) is as stated in the Notice and Invitation to Bid.
C.2.8	The due date for seeking clarification is as stated in the Bid Notice and Invitation to Bid.
C.2.12	In addition to the information appearing in C2.12 of the CIDB Standard Conditions of Tender, the following statements shall apply: • Calculations, drawings and all other pertinent technical information and characteristics as well as modified or proposed Pricing Data must be submitted with the alternative bid offer to enable the Employer to evaluate the efficacy of the alternative and its principal elements, to take a view on the degree to which the alternative complies with the Employer's standards and requirements and to evaluate the acceptability of the pricing proposals. • Calculations must be set out in a clear and logical sequence and must clearly reflect all design assumptions. • Pricing Data must reflect all assumptions in the development of the pricing proposal. • <i>The pricing of the alternative bid offer may not exceed the pricing of the main bid offer.</i> Acceptance of an alternative bid offer will mean acceptance in principle of the offer. In the event that the alternative bid offer is accepted, it will be a contractual obligation for the Bidder to accept full responsibility and liability that the alternative bid offer complies in all respects with the Employer's standards and requirements.
C.2.13.5 C.2.13.7	Bidders must submit one (1) copy of the bid document and returnables. The Employer's address for delivery of the bid offers is stated in the Bid Notice and Invitation to Bid. The bid submission must be sealed and endorsed with both the bid number and the description of the bid, as it appears on the front cover of this bid.
C.2.13.9	Telephonic, telegraphic, telex, facsimile or e-mailed bid offers will not be accepted.
C.2.15	The closing time for submission of bid offers is as stated in the Bid Notice and Invitation to Bid.
C.2.16	The bid offer validity period is as stated in the Bid Notice and Invitation to Bid. <i>No bid substitutions will be allowed after the closing date and time.</i>
C.2.23	See 2.1 List of Returnable Documents for a comprehensive list of certificates and additional documents required for submission with this bid.
C.3.4	Rand Water will make available the names, prices and preference points for submissions to interested parties who make request for such information, at least one (1) week after the closing date. <i>(CIDB Best Practice Guideline #A3 Evaluation tenders offers, February 2008)</i>
C.3.11	<i>Rand Water's evaluation process comprises of the following steps. Specific criteria to be utilised for this bid are contained in <u>T1.3 Evaluation Criteria</u></i> a) Pre-qualifiers <i>Refer to the criteria as stated in T1.3 of this bid document. All pre-qualifiers must be met in order for the bid submission to be considered further.</i> b) Functionality evaluation

Refer to the criteria as stated in T1.3 of this bid document. A minimum score of 60 points must be obtained for the bid submission to be considered further.

c) Price

i. Price Analysis

Rand Water uses a Financial Tolerance Range in order to assess how reasonable the market response prices are. These ranges will assist with eliminating bid prices that are deemed to be excessively high or low to complete the works. The higher limit ensures that Rand Water does not pay more than it believes the value of service or goods is worth, and the lower limit ensures that Rand Water is not exposed to risk of work not being completed or prices increasing subsequent to the award because the award price was too low to complete said scope.

ii. Preference Point System

WHERE PROCUREMENT VALUE IS R0 < R50 000 000 (INCL. VAT):

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

The following table will be used to calculate the score out of 20 for BBEE:

B-BBEE Status Level of Contributor	Number of Points
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

WHERE PROCUREMENT RAND VALUE IS >= R50 000 000 (INCL. VAT):

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

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

The following table will be used to calculate the points out of 10 for BBEE:

B-BBEE Status Level of Contributor	Number of Points
1	10
2	9
3	6
4	5
5	4
6	3
7	2
8	1
Non-compliant contributor	0

Where:

Ps = Points scored for comparative price of bid or offer under consideration

Pt = Comparative price of bid or offer under consideration

Pmin = Comparative price of lowest acceptable bid or offer.

Rand Water does not bind itself to accept the bid with the lowest price

BBEE STATUS (P_p = 10/20 maximum)

Quantification of procurement contribution to B-BBEE

Points will be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

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

Bidders will not be disqualified from the bidding process for not submitting a certificate substantiating the B-BBEE status level of contribution or is a non-compliant contributor. ***Such a bidder will score zero(0) out of maximum of 10 for B-BBEE***

d) Objective Criteria

	<i>Refer to the criteria as stated in <u>T1.3 Evaluation Criteria</u> of this bid document.</i> Bidders who meet the objective criteria will be recommended for award based on the highest adjudication points. SUMMARY The total number of functionality/ quality (PF) shall be the sum total of the product of quality criteria by weight allocated. The total number of adjudication points (PT) shall equal the sum of the bid price points (Ps) and the BBBEE status points (PP) i.e. PT = Ps + PP Rand Water does not bind itself to accept the bid with the highest number of adjudication points.
C.3.17	The number of paper copies of the signed contract to be provided by the Employer is 1 (one).

T1.3. EVALUATION CRITERIA

T1.3.1. PRE-QUALIFIERS

1. Fully completed and Signed Form of Offer.
2. Letter of Good Standing from the Department of Labour or an Accredited Institution.
3. Bidder must subcontract a minimum of 30% of the value of the contract (if above R30 million) to an EME/QSE that is a minimum 51% black owned.

The following evidence must be submitted:

- *Fully signed sub - contracting agreement with stipulating specialised categories including the percentages to be sub- contracted.*
 - *CSD report/s for Subcontractor/s.*
4. *CIDB Registration for Subcontractor/s, where CIDB related works are subcontracted, each Subcontractor must also be registered with the appropriate CIDB grading in accordance with*

the value of the work to be undertaken by that Subcontractor, or are capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the CIDB grading of this bid; in accordance with the CIDB prescripts.

- *Where the CIDB requirement for subcontracted work is not met, this pre-qualifier has not been met.*
 - *Proof of B-BBEE status for Subcontractor/s*
5. Fully completed Local Content Declaration Forms for each of the designated sectors as provided and minimum stipulated thresholds for this bid, as outlined in Schedule (Page 27-31).

The bid meets the following minimum thresholds: -

- 100% minimum threshold for local production and content for
Cem I to Cem V or Masory Cement types as stipulated in Schedule (Page 27-31) of the Commercial Part or Exemption from the Minister of Finance in the case of non compliance to the Local Content threshold.
- 100% minimum threshold for local production and content for the steel value added products and components as stipulated in Schedule (Page 27-31) of the Commercial Part or Exemption from the Minister of Finance in the case of non-compliance to the Local Content threshold.
- 90% minimum threshold for local production and content of Electrical and Telecom Cables as stipulated Schedule (Page 27-31) of the Commercial Part or Exemption from the Minister of Finance in the case of non-compliance to the Local Content threshold
- 70% minimum threshold of Valves products and Actuators as stipulated in Schedule (Page 27-31) of the Commercial Part or Exemption from the Minister of Finance in the case of non-compliance to the Local Content threshold
- 70% minimum threshold of pumps. Medium voltage motors as stipulated in Schedule (Page 27-31) of the Commercial Part or Exemption from the Minister of Finance in the case of non-compliance to the Local Content threshold

6. Submission of Socio-Economic Development (SED) proposal in accordance with Rand Water's requirements and targets in T2.2.9 and the signing of the SED schedule in its entirety.

T1.3.2. FUNCTIONALITY EVALUATION

Bid submissions will be evaluated on the criteria outlined in items (A-J) below. Each Item (A to J) has an assigned "Weight" and "Rating" scale. During the evaluation process, Bidders shall be assigned a "Rating" for each item in A to J.

The maximum "Score" that a Bidder can achieve will be equal to the "Weight" for a particular item. The Total Scores of each functionality criterion will be multiplied by its weight and then the total score summed up to a total score out of 100.

A detailed description of the "Rating" scales and associated adjudication documentation are as follows:

	CRITERION	RETURABLE SCHEDULE REFERENCE	WEIGHTING	RATING SCALE
A.	<u>Record of Previous Experience relevant to the current scope/ work (with contactable client ref.)</u> This is based on contractor history and managing projects of a similar nature to this bid. The reference must be written confirmation from clients and may include a completion certificate.	T2.2.10	20	4-point scale None – 0% Weak – 33.3% Between One (1) Reference and Three (3) Moderate – 66.7% Between Four (4) References and Five (5) Good – 100% Six (6) References and Above
B.	<u>Overall Performance on Previous Work</u> Overall performance score for similar work previously done. The bidder must submit a record of performance on previous work which must have a percentage rating by the client.	N/A	10	4-point scale None - 0% - No performance score sheet is submitted or the ones submitted are for the work not related to this bid or they are not signed/stamped by the client. Weak – 33.3% - At least One signed/stamped related work performance score sheet submitted with a rating score of less than 60%. Moderate - 66.7% - At least Two signed/stamped related work performance

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

	CRITERION	RETURNABLE SCHEDULE REFERENCE	WEIGHTING	RATING SCALE
				score sheet submitted with a rating score of between 60% - 80%. Good - 100% - At least Three signed/stamped related work performance score sheet submitted with a rating score of greater than 80%.
C.	<u>Quality Management Systems</u> Evidence of being ISO 9001 certified (certificate issued by a certification agency) or In-house QMS in place (demonstrated by submission of an approved quality management manual, at a minimum).	N/A	5	4-point scale None – 0% Non-submission Weak – 33.3% Relevant quality management system submission is provided without both a demonstration of an approved manual and a one-page Sample of Quality Control Plan for this bid. Moderate – 66.6% Relevant quality management system with a demonstration by approved manual or ISO 9001 certificate submission is provided without a one-page project specific Sample of Quality Control Plan for this bid. Good – 100% Relevant quality management system with a demonstration by approved manual or ISO 9001 certificate submission is provided with a one-page Sample of project specific Quality Control Plan for this bid.
D.	<u>Human Resource Capacity</u> Adjudicated based on Human Resource Capacity Schedule (including company's Project Team vs. Company Organogram; Project Team Member List including CV's, resource allocation). The purpose is to establish an overall picture of the company's human resource capacity and ability to undertake the work.	T2.2.11	10	4-point scale None – 0% No submission Weak – 33.3% Only company organogram provided Moderate – 66.7% Company organogram, project team including CVs Good – 100% Submission is detailed in terms of company organogram, project team including CVs, resource allocation

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

	CRITERION	RETURNABLE SCHEDULE REFERENCE	WEIGHTING	RATING SCALE
				for this project against any other projects currently managed by the bidder.
E.	<u>Equipment Resource Capacity</u> Adjudicated based on Equipment Resource Capacity (i.e. office space and requisite tools, vehicles and working tools). The purpose is to establish an overall picture of the company's equipment resource capacity and ability to undertake the work. Rand Water will confirm the information submitted when conducting due diligence.	T2.2.12	10	3-point scale None – 0% No submission Moderate – 66.7% Submission details equipment resource capacity excluding resource utilisation or certain equipment in relation to the scope of work. Good – 100% Submission details the equipment resource capacity in terms of office space and requisite tools, resource utilisation, vehicles and working tools or more; in relation to the scope of work.
F.	<u>Risk Introduced by Bid Qualifications (e.g. limitations, assumptions, limited liability etc.)</u>	T2.2.5	5	2-point scale Significant – 0% Bid qualifications submitted by the bidder adversely change the bid scope. Significant qualifications may result in bid submissions being deemed non-responsive, should the bidder/s opt to retain such qualifications after consultation by Rand Water. None – 100% No bid qualification/s submitted
G.	<u>Project Risk Management</u> As per risk register provided.	T2.2.16	5	3-point scale None – 0% No response provided to Project Risk Management section or responses provided are not relevant to the identified risks. Moderate – 66.7% Relevant responses were provided to some of the risks outlined in this bid. Good – 100% Relevant responses were provided to the risks outlined in this bid and further risks were identified, classified and a response strategy

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

	CRITERION	RETURNABLE SCHEDULE REFERENCE	WEIGHTING	RATING SCALE
				and actions were provided by the bidder.
H.	<u>Detailed Project Programme</u> Aligned with employer's completion dates with the following specifications; • on a Gantt chart format • detail at least activity level 2 • resource loaded • monthly cost forecast to completion.	N/A	10	4-point scale None – 0% No submission Weak – 33.3% Only Gantt chart format Moderate – 66.7% Only Gantt chart, resources loaded and activity level 2 Good – 100% Provided all of above (Gantt chart format, activity level 2, resources loaded and monthly cost forecast to completion)
I.	<u>Method Statement</u> • Specific method statement in accordance with the scope of work • Aligned with Contractual requirements • Credible/Acceptable	N/A	20	4-point scale None – 0% No submission Weak – 33.3% Method Statement addressing up to 30% of the deliverables Moderate – 66.7% Method statement detailing 70% of the deliverables Good – 100% Method statement detailing all of the deliverables
J.	<u>SHERQ</u> Adjudicated based on Contractors Health & Safety Policy, Plan and documentation submitted	N/A	5	3 - point scale None – 0% Non-submission Weak – 33.33% SHER documents submitted without signed SHE Policy. Good - 100% All SHER document submitted (signed policy, SHE Plan and other relevant documents)
TOTAL			100	

T1.3.3. PRICE

Rand Water uses a Financial Tolerance Range in order to assess how reasonable the market response prices are. These ranges will assist with eliminating bid prices that are deemed to

be excessively high or low to complete the works. The higher limit ensures that Rand Water does not pay more than it believes the value of service or goods is worth, and the lower limit ensures that Rand Water is not exposed to risk of work not being completed or prices increasing subsequent to the award because the award price was too low to complete said scope.

The financial tolerance range for this bid is **-25% to 25%**.

T1.3.3. PREFERENCE POINT SYSTEM

The **90/10** will be applied in this bid.

The 90/10 preference point system will apply in this Bid

Further information can be obtained in [T.1.2 Bid Data](#).

T1.3.4. OBJECTIVE CRITERIA

Rand Water shall apply objective criteria in accordance with the 2017 Preferential Procurement Regulations.

Rotation of suppliers for bids will be done on the following conditions:

- a) *Aggregate value of R250 million (inclusive of all taxes) awarded.*
- b) *Where an award to be made to the supplier results in the cumulative value exceeding the rotation threshold for bids, that award can be made which will constitute the last award to the supplier in the financial year.*
- c) *As its objective criteria, Rand Water shall therefore not award to a Bidder that scores the highest points, if such Bidder has already exceeded the rotation threshold for bids.*

In making the determination on the aggregate value of work awarded to a supplier, Rand Water shall consider the supplier's relations and as such, where Rand Water had awarded work to entities and/or persons that are related and/or inter-related to the supplier, the value of such awards shall be used as a measure of assessing the aggregate value of the work awarded to the supplier.

PART T2: RETURNABLE DOCUMENTS

T2.1. LIST OF RETURNABLE DOCUMENTS

- T2.1.1** All documentation listed in table T2.1 below shall form part of the Contract. *The Bidder must utilise this list as a checklist prior to bid submission.*

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

T2.1.2 Non-submission of any item listed only under the column “Required for Bid Evaluation” may result in the bid being rejected by the Employer.

T2.1.3 Attach additional pages if more space is required.

Table T2.1 List of Returnable Documents

ITEM	DESCRIPTION OF DOCUMENT TO BE RETURNED	REQUIRED FOR BID EVALUATION	ONLY REQUIRED AFTER BID AWARD
T2	Returnable schedules (supplied with the bid document)		
T2.2.1	Compulsory Enterprise Questionnaire including SBD 4, 6.1, 6.2, 8 and 9	•	
T2.2.2	Record of Addenda to Bid Documents	•	
T2.2.3	Proposed Subcontractors (Include sub - contractor CSD report)	•	
T2.2.4	Alternative Bid	•	
T2.2.5	Qualifications to Bid	•	
T2.2.6	Requirements with regard to fluctuations in the cost of labour and materials	•	
T2.2.7	FOB Prices of imported equipment/materials for which foreign exchange would be required and importing charges	•	
T2.2.8	Declaration of Insurance	•	
T2.2.9	Socio-Economic Development Plan	•	
T2.2.10	Record of Previous Experience, Quality of Workmanship and Safety	•	
T2.2.11	Human Resource Capacity Schedule	•	
T2.2.12	Equipment Resource Capacity (Plant and Equipment)	•	
T2.2.13	Safety, Health, and Environment	•	
T2.2.14	Details of Equipment (including manufacturer's data sheets and technical publications)	•	
T2.2.15	Recommended Spares, Special tools and servicing facilities	•	
T2.2.16	Project Risk Management	•	
T2.2.17	Penalty Table	•	
C1.1	Letter of Bid (Form of Offer and Acceptance)	•	
C1.2	Contract Agreement		•
C2.2	Pricing Schedule / Bill of Quantities (BoQ) The Bidder is required to submit the following: - Excel® format of the completed pricing schedule or BoQ in a compact disc (CD) or USB flash drive. - Printed format and signed version of the completed pricing schedule or BoQ.	•	

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

ITEM	DESCRIPTION OF DOCUMENT TO BE RETURNED	REQUIRED FOR BID EVALUATION	ONLY REQUIRED AFTER BID AWARD
C3.1	Dates for Delivery and Completion NOTE: A DETAILED PROJECT PROGRAMME MUST BE INCLUDED WITH THE BID SUBMISSION	•	
R 1	Required documentation not issued with the bid document:		
R 1.1	Certificate of Contractor Registration issued by CIDB OR A copy of the application form for registration in terms of the CIDB Act	•	
R 1.2	Proof of tax compliance status and a valid SARS Tax PIN	•	
R 1.3	Letter of Good Standing from the Department of Labour or an Accredited Institution	•	
R 1.4	Performance Guarantee / Bond		•
R 1.5	Resolution Letter for the Main Contractor (a letter authorising the person completing the bid to sign on behalf of the company)	•	
R 1.6	Resolution Letter for the Subcontractor/s (a letter authorising the person completing the bid to sign on behalf of the company)	•	
R 1.7	Subcontracting Agreement	•	
R 1.8	3 year financial statements (audited where applicable)	•	
R 1.9	Certified copy of B-BBEE Certificate or Certified copy of Sworn Affidavit for EMEs or QSEs	•	
R1.10	Main Contractor's internal Safety and Health Policy and Project Specific SHE Plan (compliance with the project specific SHE specification)	•	
R 1.11	Comprehensive SHERQ Plan (compliance with SHERQ Specification, including written agreement on Safety, Health and Environmental matters and all documents required for SHERQ compliance)		•
R1.12	Contractors tools and Equipment Inventory		•
R1.13	Staff list		•
R1.14	Site Clearance Certificate		•
R1.15	Job Creation Report/Statistics (To be submitted Monthly)		•
R1.16	ISO 9001 Certification /proof of In-house Quality Management System (must include proof of a Document Control System and proof of a Non-conformity Management System) including Sample/template of Quality Control Plan and appointment of Quality Representative	•	
R1.17	Detailed Project Programme in the following: a) Gantt Chart Format	•	

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

ITEM	DESCRIPTION OF DOCUMENT TO BE RETURNED	REQUIRED FOR BID EVALUATION	ONLY REQUIRED AFTER BID AWARD
	b) Level 2 schedule activities c) Credible and Aligned to Rand Water's Programme d) Resource loaded schedule Monthly cash flows, project to completion.		
R1.18	Method Statement	•	

T2.2. RETURNABLE SCHEDULES

T2.2.1. COMPULSORY ENTERPRISE QUESTIONNAIRE

The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:

Section 3: CIDB registration number, if any:

Section 4: CSD Number:

Section 5: Particulars of sole proprietors and partners in partnerships:

Name *	Identity Number *	Personal income tax number *

* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners

Section 6: Particulars of companies and close corporations

Company registration Number:	
Close Corporation number:	
Tax reference number:	

Section 7: SBD 4 issued by National Treasury must be completed for this bid.

Section 8: SBD 6 issued by National Treasury must be completed for this bid.

Section 9: SBD 8 issued by National Treasury must be completed for this bid.

Section 10: SBD 9 issued by National Treasury must be completed for this bid.

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

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

Name of Bidder:

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

Signed by or on
behalf of Bidder:

Official
Capacity:

Date:

SBD 4

DECLARATION OF INTEREST

1. Any legal person, including persons employed by the state*, 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 a price quotation, advertised competitive bid, limited bid or proposal). 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 and/or take an oath declaring his/her interest, 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, shareholder etc):

2.4 Company Registration Number:

2.5 Tax Reference Number:.....

2.6 VAT Registration Number:

* "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.

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

2.7.1 If so, furnish the following particulars:

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

Name of person / director / shareholder/ member:
Name of state institution to which the person is connected:
Position occupied in the state institution:

Any other particulars:
.....
.....
.....

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

2.8.1 If so, furnish particulars:
.....
.....
.....

2.9 Do you, or any person connected with the bidder, have 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? **YES / NO**

2.9.1 If so, furnish particulars.
.....
.....

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

2.10.1 If so, furnish particulars.
.....
.....

2.11 Do you or any of the directors /shareholders/ members of the company have any interest in any other related companies whether or not they are bidding for this contract?

2.11.1 If so, furnish particulars:
.....
.....
.....

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

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

4 DECLARATION

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

CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 2.1 TO 2.11.1 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY ACT AGAINST ME IN TERMS OF PARAGRAPH 23 OF THE GENERAL CONDITIONS OF CONTRACT SHOULD THIS DECLARATION PROVE TO BE FALSE.

Name of Bidder:

Signed by or on
behalf of Bidder:

Official
Capacity:

Date:

SBD 6.1

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

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

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

1. GENERAL CONDITIONS

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

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

1.2

- a) The value of this bid is estimated to exceed R50 000 000 (all applicable taxes included) and therefore the 90/10. preference point system shall be applicable; or
- b) The 90/10 preference point system will be applicable to this bid.

1.3 Points for this bid shall be awarded for:

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

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

	POINTS
PRICE	90
B-BBEE STATUS LEVEL OF CONTRIBUTOR	10
Total points for Price and B-BBEE must not exceed	100

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

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

2. DEFINITIONS

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

3. POINTS AWARDED FOR PRICE

3.1 THE 90/10 PREFERENCE POINT SYSTEMS

A maximum of 90 points is allocated for price on the following basis:90/10

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

Where

- P_s = Points scored for price of bid under consideration
- P_t = Price of bid under consideration
- $P_{\min}$ = Price of lowest acceptable bid

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

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

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

5. BID DECLARATION

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

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

- 6.1 B-BBEE Status Level of Contributor: . =(maximum of 10 points)
(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

7. SUB-CONTRACTING

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

(Tick applicable box)

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

- 7.1.1 If yes, indicate:

- What percentage of the contract will be subcontracted.....%
- The name of the sub-contractor.....
- The B-BBEE status level of the sub-contractor.....
- Whether the sub-contractor is an EME or QSE

(Tick applicable box)

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

- v) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

Preferential Procurement Regulations, 2017:

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

In the case of more than one subcontractors, submit a list of subcontractors with the above details (7.1.1)

8. DECLARATION WITH REGARD TO COMPANY/FIRM

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

8.2 VAT registration number:.....

8.3 Company registration number:.....

8.4 TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
 - ☐ One person business/sole propriety
 - ☐ Close corporation
 - ☐ Company
 - ☐ (Pty) Limited
- [TICK APPLICABLE BOX]

8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....

.....

.....

8.6 COMPANY CLASSIFICATION

- ☐ Manufacturer
- ☐ Supplier

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

- ☐ Professional service provider
☐ Other service providers, e.g. transporter, etc.
 [TICK APPLICABLE BOX]

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

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

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution.

Name of Bidder: _____

Signed by or on
behalf of Bidder: _____

Official
Capacity: _____

Date: _____

SBD 6.2**DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS**

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

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

1. General Conditions

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

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

Where

x is the imported content in Rand

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

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) on the date of advertisement of the bid as indicated in paragraph 3.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on http://www.thedti.gov.za/industrial_development/ip.jsp at no cost.

- 1.6. A bid may be disqualified if this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation;

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

2. The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:

	Description of services, works or goods	Stipulated minimum threshold (%)
1.	Steel value added products and components	100%
2.	Cem I to Cem V or Masory Cement types	100%
3.	Electrical and Telecom cables	90%
4.	Valves Products and Actuators	70%
5.	Pumps, Medium Voltage Motors	70%

3. Does any portion of the goods or services offered have any imported content?
(Tick applicable box)

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

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

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

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

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

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

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

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

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

IN RESPECT OF BID NO. RW10384657/22 R

ISSUED BY: RAND WATER

NB

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

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

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
 - (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
- (c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 3 above)	
Local content %, as calculated in terms of SATS 1286:2011	

If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above.

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declaration D and E.

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

Name of Bidder: _____

Signed by or on
behalf of Bidder: _____

Official
Capacity: _____

Date: _____



BID NUMBER RW 10384657/22 R

RAND WATER BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

SATS 1286.2011

Annex C

Local Content Declaration - Summary Schedule

(C1)	Tender No.
(C2)	Tender description:
(C3)	Designated product(s)
(C4)	Tender Authority:
(C5)	Tendering Entity name:
(C6)	Tender Exchange Rate:
(C7)	Specified local content %

Note: VAT to be excluded from all calculations

Pula EU GBP [illegible][illegible]

Signature of tenderer from Annex B

Date: _____

(C20) Total tender value	R 0
--------------------------	-----

(C21) Total Exempt imported content	R 0
-------------------------------------	-----

(C22) Total Tender value net of exempt imported content	R 0
---	-----

(C23) Total Imported content	R 0
------------------------------	-----

(C24) Total local content	R 0
---------------------------	-----

(C25) Average local content % of tender	
---	--



BID NUMBER RW 10384657/22 R

RAND WATER BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

SATS 1286.2011

Annex C

Local Content Declaration - Summary Schedule

(C1)	Tender No.
(C2)	Tender description:
(C3)	Designated product(s)
(C4)	Tender Authority:
(C5)	Tendering Entity name:
(C6)	Tender Exchange Rate:
(C7)	Specified local content %

Note: VAT to be excluded from all calculations

Pula EU GBP [illegible][illegible]

(C20) Total tender value	R 0
--------------------------	-----

(C21) Total Exempt imported content	R 0
-------------------------------------	-----

(C22) Total Tender value net of exempt imported content	R 0
---	-----

(C23) Total Imported content	R 0
------------------------------	-----

(C24) Total local content	R 0
---------------------------	-----

(C25) Average local content % of tender	
---	--

Signature of tenderer from Annex B

Date: _____



BID NUMBER RW 10384657/22 R

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

SATS 1286.2011

Annex C

Local Content Declaration - Summary Schedule

(C1)	Tender No.
(C2)	Tender description:
(C3)	Designated product(s)
(C4)	Tender Authority:
(C5)	Tendering Entity name:
(C6)	Tender Exchange Rate:
(C7)	Specified local content %

Note: VAT to be excluded from all calculations

Pula EU GBP [illegible][illegible]

Signature of tenderer from Annex B

Date: _____

(C20) Total tender value	R 0
--------------------------	-----

(C21) Total Exempt imported content	R 0
-------------------------------------	-----

(C22) Total Tender value net of exempt imported content	R 0
---	-----

(C23) Total Imported content	R 0
------------------------------	-----

(C24) Total local content	R 0
---------------------------	-----

(C25) Average local content % of tender	
---	--

SBD 8

DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

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

Item	Question	Yes	No
4.1	Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector? (Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied). The Database of Restricted Suppliers now resides on the National Treasury's website(www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.	Yes ☐	No ☐
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.	Yes ☐	No ☐
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court outside of the Republic of South Africa) for fraud or corruption during the past five years?	Yes ☐	No ☐
4.3.1	If so, furnish particulars:		



BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

4.4	Was any contract between the bidder and any organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes ☐	No ☐
4.4.1	If so, furnish particulars:		

CERTIFICATION

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

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

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

Name of Bidder: _____

Signed by or on
behalf of Bidder: _____

Official
Capacity: _____

Date: _____

SBD 9

CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Standard Bidding Document (SBD) 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.

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

RW 10386457/22 R: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION
(Bid Number and Description)

in response to the invitation for the bid made by:

RAND WATER
(Name of Institution)

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

I certify, on behalf of: _____ that:
(Name of Bidder)

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

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

Name of Bidder: _____

Signed by or on
behalf of Bidder: _____

Official
Capacity: _____

Date: _____

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

T2.2.2. RECORD OF ADDENDA TO BID DOCUMENT

We acknowledge receipt of communications from the Employer amending the bid document before the submission of this bid offer. We confirm that these amendments have been taken into account in this bid offer.

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

Name of Bidder: _____

Signed by or on
behalf of Bidder: _____

Official
Capacity: _____

Date: _____

T2.2.3. PROPOSED SUBCONTRACTORS

We notify the Employer that it is our intention to employ the following Subcontractors for work in this contract.

If we are awarded a contract we agree that this notification does not change the requirement for us to submit the names of proposed Subcontractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then on official award of Contract by the Employer to us, this list duly signed below shall be binding between us.

The appointment of the proposed Subcontractors shall be subject to the approval of the Employer.

Please note it is compulsory to declare the percentage of work to be completed by the Subcontractor.

Name and Address of Proposed Subcontractor	Nature and Extent of Work	Previous Experience with Subcontractor	CIDB Grading
1)			
2)			
3)			
4)			
5)			

Name of Bidder: _____

Signed by or on
behalf of Bidder: _____

Official
Capacity: _____

Date: _____

T2.2.4. ALTERNATIVE BID

- T2.2.4.1. Alternative bids will be accepted on the conditions described in [T1.2 Bid Data](#) (CIDB Clause C2.12)
- T2.2.4.2. Should the Bidder wish to submit an alternative bid he shall set out his proposals clearly hereunder or alternatively state them in a covering letter attached to his bid and referred to hereunder, failing which the bid will be deemed to be unqualified.
- T2.2.4.3. If no departures or modifications are described, the schedule shall be marked NIL and signed by the Bidder.

Page	Item	Proposed alternative	Price saving (if any) to the Employer if proposal is accepted

Name of Bidder: _____

Signed by or on
behalf of Bidder: _____

Official
Capacity: _____

Date: _____



BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

T2.2.5. QUALIFICATIONS TO BID

Should the Bidder wish to qualify any aspect of the bid (e.g. limitations, assumptions, limited liability, etc.), he shall set out his terms clearly hereunder or alternatively state them in a covering letter attached to his bid and referred to hereunder, failing which the bid will be deemed to be unqualified.

If no qualifications are made, the schedule shall be marked NIL and signed by the Bidder.

[illegible]

Name of Bidder:

Signed by or on
behalf of Bidder:

Official Capacity:

Date:

T2.2.6. REQUIREMENTS WITH REGARD TO FLUCTUATIONS IN THE COST OF LABOUR AND MATERIALS

T2.2.6.1. The Bidder shall delete whichever of the following statements are not applicable to the bid. *Where the Bidder has not indicated the applicability of fluctuations, Rand Water shall regard the fluctuations as not applicable.*

FLUCTUATIONS IN - Wages and allowances: *TO APPLY/NOT TO APPLY
Price of materials: *TO APPLY/NOT TO APPLY

* Delete whichever is not applicable.

FORMULAE OR BASIS FOR THE ADJUSTMENT OF THE BID PRICE

If firm prices are not quoted the Bidder shall supply the following information:

T2.2.6.2. Formula by which the bid price is to be multiplied in order to arrive at the adjusted price:

.....
.....

T2.2.6.3. Definition of all symbols used in the above formula:

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

T2.2.6.4. Any special materials or equipment to be excluded from the application of the formula stating the method and basis of price variation to be applied to such materials or equipment:

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

RECORDING OF WEATHER AND ABNORMAL RAINFALL

If during the time for completion of the works or any extension thereof abnormal rainfall or wet conditions shall occur then an extension of time in accordance hereof shall be granted by the Employer calculated in accordance with the formula given below for each calendar month or part thereof.

$$V = (Nw - Nn) + ((Rw - Rn)/X)$$

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

V	Extension of time in calendar days in respect of the calendar month under consideration.
Nw	Actual number of days during the calendar month on which a rainfall of Y mm or more has been recorded.
Nn	Average number of days, as derived from existing rainfall records, on which a rainfall of Y mm or more has been recorded for the calendar month.
Rw	Actual rainfall in mm recorded for the calendar month under consideration.
Rn	Average rainfall in mm for the calendar month as derived from existing rainfall records.

For purposes of the contract Nn, Rn, X and Y shall have those values assigned to them in the Contract Data and/or the Specification. The total extension of time shall be the algebraic sum of all monthly totals for the period under consideration, but if the total is negative the time for completion shall not be reduced due to subnormal rainfall. Extensions of time for part of a month to be calculated using pro rata values of Nn and Rn. This formula does not take account of flood damage that could cause further or concurrent delays and will be treated separately as far as extension of time is concerned.

The factor (Nw-Nn) shall be considered to represent a fair allowance for variations from the average number of days during which rainfall exceeds Y mm. The factor (Rw-Rn)/X shall be considered to represent a fair allowance for variations from the average in the number of days during which the rainfall did not exceed Y mm but wet conditions prevented or disrupted work.

The following average rainfall figures are applicable:

INFORMATION SOURCE: South African Weather Service

Pretoria, Tel.: 082 233 8484

Y = 10 mm/24 hour day; X = 20 mm

STATISTICAL INFORMATION: MEYERTON 439/00		
STATION: 1993 - 2002		
Month	RAINFALL	
	Nn = Average number of days during the calendar months in which a rainfall of more than Y-mm has been received	Rn = Average monthly rainfall
January	3.1	83.6
February	3.2	105.5
March	2.8	91.8
April	1.4	34.5
May	0.9	23.0
June	0.1	6.8
July	0.0	0.0
August	0.1	4.2
September	0.4	12.5
October	3.3	92.4
November	3.5	96.0
December	4.3	142.9
Total	23.1	693.2

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

The Contractor shall be permitted to take his own rainfall measurements on site subject to the Engineer's approval, but access to the measuring gauge(s) shall be under the Engineer's control. The Contractor is to provide and install all the necessary equipment for accurately measuring the rainfall as well as to provide, erect and maintain a security fence plus gate, padlock and keys at each measuring station, all at his own cost.

Name of Bidder: _____

Signed by or on
behalf of Bidder: _____

Official
Capacity: _____

Date: _____

T2.2.7. F O B PRICES OF IMPORTED EQUIPMENT/MATERIALS FOR WHICH FOREIGN EXCHANGE WOULD BE REQUIRED AND IMPORTING CHARGES

- T2.2.7.1. The Bidder shall complete each schedule listing the F O B value of all items of equipment/materials for which foreign exchange would be required.
- T2.2.7.2. Bidders based on the supply of locally manufactured equipment and/or materials priced competitively, will be given preference by the Employer provided such equipment and/or materials, and the manufacture thereof, are of sufficiently high standard to meet the Employer's requirements.
- T2.2.7.3. If no items are to be imported or if firm prices are submitted the relevant section of the schedule shall be marked NIL. If the equipment contains imported equipment/materials then the Bidder shall complete the schedule listing the F O B value of all items of equipment/materials, which have been or are to be imported. Prices tendered for this imported equipment/material shall be quoted in **currency of origin**. It will therefore be the responsibility of the employer (Rand Water) to take out a Forward Cover for this imported equipment/material, when and if deemed prudent. All charges for the Employer's account referred to in the General Conditions of Contract and any changes in the rates of exchange will only be paid or allowed by the Employer in respect of items listed in this schedule. Bidder shall be expected to provide full documentation (i.e. Invoice, Bill of Lading, etc.) supporting foreign currency requirements for this imported equipment/material to support the Employer application to the SARB for the exchange control approval.
- T2.2.7.4. The Bidder shall sign each schedule.
- T2.2.7.5. For evaluation purposes, the prices of imported equipment/material sourced directly from outside South Africa quoted in currency of origin will be converted to Rand using the closing rate exchange rate published by SARB on the date, one week (7 day calendar days) prior to the closing date for the Bidder.

"Imported content" means that portion of the price represented by the cost of components, parts or materials which have been, or are still to be imported (whether by the Bidder or his suppliers or Subcontractors) and which cost includes the overseas cost plus direct importation costs, such as freight, all landing charges, dock dues, import duties and the like at the South African port of entry, as well as inward transportation and handling to the factory in the Republic where the equipment offered is produced, manufactured, processed, assembled, packed or otherwise prepared.

The Bidder shall state in the appropriate column the F O B values of equipment/materials, which have already been imported, and which still have to be imported.

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

Item	Description and country of origin	Rate of exchange	F O B value	
			Already imported	To be imported
			R	R
Total F O B values				

Table T2.2.7.1: F O B Prices

The exchange rate to be used for conversion of the foreign content to local content shall be the closing exchange rate published by South African Reserve Bank (SARB) on the date, one week (7 day calendar days) prior to the closing date of the Bid.

IMPORT PERMIT: The Bidder shall state what arrangements have been or are to be made to obtain the necessary import permit(s).

Item	Rate	Total
PORT OF LANDING	R	R
Freight on tons at		
Insurance on R		
Customs duty on R		
Landing charges on tons at		
Wharfage on tons at		
Forwarding and agency on tons at		
Railage on kg at		
Sundry importing charges		
.....		
TOTAL:		

Table T2.2.7.2: F O B Prices

Guaranteed date of shipping

Guaranteed date of delivery to railway authority

Name of Bidder:

Signed by or on _____ Official
behalf of Bidder: _____ Capacity: _____

Date: _____

T2.2.8. DECLARATION OF INSURANCES

I/We hereby declare that the insurance policies enumerated below have been effected by me/us in accordance with the Contract Data.

Cover effected	Insurer	Policy	Expiry date
COID			
Unemployment Insurance			
Employer's Liability			
Motor Vehicle Liability			
Contractor's Equipment			
Manufacturing/Fabrication Premises			
Professional Indemnity	as applicable		

Table T2.2.8: Declaration of Insurance

Copies of the abovementioned policies are attached.

In respect of COID, a copy of the current receipt and letter of good standing is attached.

Name of Contractor: _____

Signed by or on behalf of Contractor: _____ Official Capacity: _____

Date: _____

NOTE: This schedule shall be completed and submitted to Rand Water within 14 days from the commencement date of the contract and will serve as a condition precedent. The Contractor shall ensure that all policies are in place for the full period under the contract, and where policies need to be renewed and/or any changes effected, Rand Water is to be provided with the renewal confirmation and/or details of changes within 14 days of such renewal or changes.

T2.2.9. SOCIO-ECONOMIC DEVELOPMENT

Rand Water intends to achieve the objective of promoting an environment that is health, safe, efficient, productive, harmonious, free from disruption and localises opportunities for communities in close proximity to the project. Such an environment will assist contractors in implementing the projects successfully. All contractors, subcontractors (including SMMEs) and site service providers within the project have a role and responsibility in achieving this objective. Accordingly, the Main Contractor is wholly responsible in ensuring the provision, implementation and maintenance of the required socio-economic deliverables, as approved by Rand Water.

The Bidder shall submit a plan with regard to SED targets set by Rand Water for each respective SED element during the Request for Bid (RFB) phase. Bidders have to submit SED plans as part of their proposals in reaction to the RFB. Bidders are required to demonstrate through their SED plans how the involvement of black persons and historically disadvantaged individuals (HDIs) will be secured, as well as their commitment to the respective SED elements.

Rand Water regards the **local-to-site area** as historically disadvantaged areas in the district municipality. In areas that are not demarcated according to district municipalities, the historically disadvantaged areas in the metropolitan municipalities shall be regarded as local-to-site areas.

Key performance areas and deliverables on SED are outlined as follows:

ITEM NO.	KEY PERFORMANCE AREAS	DELIVERABLES
1.	Participation of Local Enterprises	- The Bidder must ensure that in the project implementation plan the following target is prioritized and this must be clearly outlined in the declaration of intent: Work allocation to local enterprises A minimum of 5% of the total work will be allocated to local black owned enterprises. The Bidder must specify in the SED plan the work items to be allocated to local enterprises that are minimum 51% black owned. This plan must also indicate the Rand value and the scope of work. Rand Water's Database of Local Business for the target area/s will be availed.
2.	Job Creation	- The Bidder's workforce in the project must consist of locals (historically disadvantaged) as follows: - Unskilled Labourers: 100% (50% women, 50% youth) - Semi-skilled: a minimum of 30% (50% women, 50% youth) - Skilled: a minimum of 25% (50% women, 50% youth) - The method of recruitment must be pre-approved by Rand Water. - It is acknowledged that people will be employed on a part-time basis in many instances. It is however required that

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

ITEM NO.	KEY PERFORMANCE AREAS	DELIVERABLES
		employees who were employed at the unskilled level exit with a certificate of completion of accredited training. A recruitment plan must be submitted which will indicate how the employment of local labour will be achieved versus the Bidder's existing (permanent) and seconded labour which will be assigned to the project.
3.	Skills Development	- The Bidder must submit a proposed skills development programme targeting the following levels: - Unskilled to Semi-skilled (50% Youth, 50% Women) - Undergraduate (50% Youth, 50% Women) - Graduate (50% Youth, 50% Women) - The proposed programmes must be accredited, giving credit value to the beneficiaries. The programmes must incorporate workplace learning and/or on-the-job training with the theoretical knowledge provided. - Programmes can only be implemented once approval has been provided by Rand Water.
4.	Social Responsibility	- A programme must be structured to ensure effective delivery to address identified community needs in a significant and sustainable manner. - The Bidder must submit proposed social responsibility initiative/s which could be rolled out across the project duration and must have impact beyond the project implementation. Examples may include Cooperative Development, NGO Support, School Support - Programmes can only be implemented once approval has been provided by Rand Water.
5.	Social Facilitation	- A key component in aiding the realisation of the SED objectives is effective community liaison with all the relevant role-players, structures, civic organisations and the community at large. - Provision must be made for a Community Liaison Officer (CLO) for the duration of the project. The CLO must be sourced locally.

The Bidder agrees to adhere to the Rand Water's SED requirements.

Name of Bidder: _____

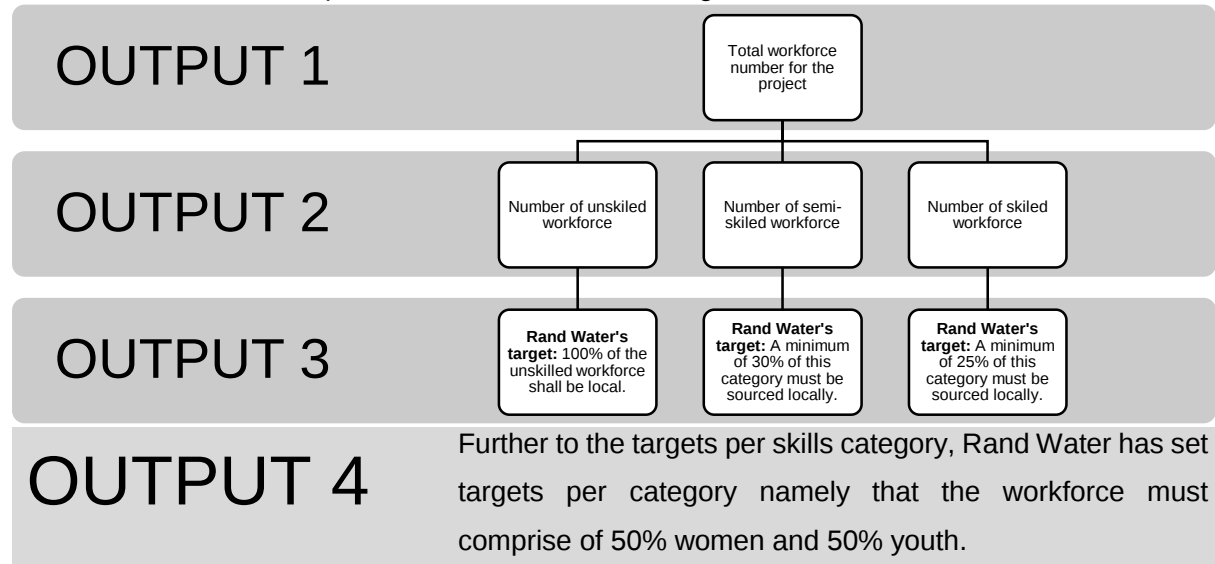
Signed by or on
behalf of Bidder: _____

Official
Capacity: _____

Date: _____

T2.2.9.1. JOB CREATION REQUIREMENT

The Bidder's recruitment plan must indicate the following information:



The Bidder must ensure that the required recruitment plan adheres to the requirements of this section and must also include a proposed method of recruitment.

The Bidder agrees to adhere to the Rand Water's SED requirements.

Name of Bidder:

Signed by or on behalf of Bidder:

Date:

Official Capacity:

T2.2.9.2 SED MATRIX

KEY PERFORMANCE AREA	INDICATOR	MEASURE	TARGET	QUANTITY	COST	TIMELINE			COMMENTS
						START	END	DURATION	
Job Creation Total workforce number for the project: (insert) 	Employment: Unskilled Insert Rate:	Percentage of total projected workforce in the skills category	100%						
	Employment: Semi-skilled Insert Rate:	Percentage of total projected workforce in the skills category	Minimum 30%						
	Employment: Skilled Insert Rate:	Percentage of total projected workforce in the skills category	Minimum 25%						
Skills Development	Accredited Training Programmes: Unskilled (MANDATORY)	Rand Value	Rand value of 1.1 in the BoQ						
		Number of unskilled people trained on accredited training	Number of unskilled indicated in the Bidder's recruitment plan						
	Work Integrated Learning: Undergraduates	Rand Value	Rand value of 1.1 in the BoQ						
		Number of undergraduates trained and provided workplace experience	Number of unskilled indicated in the Bidder's recruitment plan						

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

KEY PERFORMANCE AREA	INDICATOR	MEASURE	TARGET	QUANTITY	COST	TIMELINE			COMMENTS
						START	END	DURATION	
	Professionalisation Programmes: Graduates	Rand Value	Rand value of 1.1 in the BoQ						
		Number of graduates trained and provided workplace experience	Number of unskilled indicated in the Bidder's recruitment plan						
Social Responsibility	Community development initiatives	Rand value	Rand value of 2.1 in the BoQ						
Social Facilitation	Appointment of CLOs	Rand value	Rand value of 3.1 in the BoQ						
Participation of Local Enterprises	Work allocated to local enterprises that are 51% black owned	Rand value	Rand value in section 5 item 5.1						
	Procurement of non-core services and materials from local enterprises that are a minimum 51% black owned	Rand value	100%						
TOTALS					The Bidder must indicate the total cost				

Rand Water will commence the monitoring of SED implementation three (3) months after the acceptance of the letter of award by the successful Bidder. The Bidder agrees to adhere to the Rand Water's SED requirements.

Name of Bidder: _____



BID NUMBER RW 10384657/22 R

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

Signed by or on
behalf of Bidder:

Official
Capacity:

Date:

T2.2.9.3. SED CHECKLIST

All items in this checklist must be completed. If any of the items are not addressed as required (i.e. indicated as "No" or no attachment where an attachment is required), the Bidder's submission will be deemed non-responsive.

	ITEM	REQUIREMENT	YES	NO
1.	Job Creation	Attach the Recruitment Plan (refer to T2.2.13.1)		
2.	Skills Development	Attach a comprehensive proposal for training programmes for unskilled, undergraduate and graduate, as applicable. The provision of accredited training for the unskilled group is a mandatory requirement.		
3.	Social Responsibility	Attach a comprehensive proposal for local community development.		
4.	Participation of Local Enterprises	- The work highlighted for Participation of Local Enterprises is work that must be issued to local enterprises that are a minimum 51% black owned. This is a minimum. The Bidder must ensure that the work to be allocated to local enterprises amounts to a minimum of 5% of the whole work. This must be indicated clearly in the Bidder's SED plan. - The sourcing of local enterprise shall be a competitive process. The method of sourcing must be pre-approved by Rand Water. - Attach a procurement plan for non-core services and materials required. Rand Water's target is that the Bidder must procure 100% of these services and materials from local enterprises that are a minimum 51% black owned.		
5.	Social Facilitation	The Bidder must provide the costing with reference to 3.1		

The Bidder agrees to adhere to the Rand Water's SED requirements.

Name of Bidder: _____

Signed by or on
behalf of Bidder: _____

Official
Capacity: _____

Date: _____

T2.2.10. RECORD OF PREVIOUS EXPERIENCE, QUALITY OF WORKMANSHIP AND SAFETY

The Bidder shall provide details of **completed** works (similar to the work set out in this bid). Individuals listed as references must be contactable and willing to provide information relating to the performance of the Bidder (in terms of safety and health, workmanship, documentation, timeous completion, etc.). In order to verify the quality of workmanship, an inspection of the works may also be undertaken should Rand Water deem it necessary.

The Bidder must take into cognisance the functionality criteria in providing the record of previous experience. Information must be provided in the following format:

Description of Works	
Project Title :	
High level project description:	
Client :	
Contract No. :	
Contract Value (excl. VAT) :	
Role ^(Note 1) :	
Award Date :	
Completion Date :	
Location of Works :	
Project Manager :	
Construction Manager :	
Contact Details of Reference at Client Company	
Name :	
Position Held :	
Tel :	Cell :
Fax :	email :
Note 1 – Role refers to the Contractor's responsibility w.r.t. the claimed experience. For example Single Contractor, Main Contractor but with electrical sub – contractor, Sub – contractor for civil construction etc.	

Description of Works
Project Title :
High level project description:
Client :
Contract No. :

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

Contract Value (excl. VAT) :
Role ^(Note 1) :
Award Date :
Completion Date :
Location of Works :
Project Manager :
Construction Manager :
Contact Details of Reference at Client Company
Name :
Position Held :
Tel : Cell :
Fax : email :
Note 1 – Role refers to the Contractor's responsibility w.r.t. the claimed experience. For example Single Contractor, Main Contractor but with electrical sub – contractor, Sub – contractor for civil construction etc.

Description of Works
Project Title :
High level project description:
Client :
Contract No. :
Contract Value (excl. VAT) :
Role ^(Note 1) :
Award Date :
Completion Date :
Location of Works :
Project Manager :
Construction Manager :
Contact Details of Reference at Client Company
Name :
Position Held :
Tel : Cell :
Fax : email :
Note 1 – Role refers to the Contractor's responsibility w.r.t. the claimed experience. For example Single Contractor, Main Contractor but with electrical sub – contractor, Sub – contractor for civil construction etc.

Description of Works
Project Title :
High level project description:



BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

Client :	
Contract No. :	
Contract Value (excl. VAT) :	
Role ^(Note 1) :	
Award Date :	
Completion Date :	
Location of Works :	
Project Manager :	
Construction Manager :	
Contact Details of Reference at Client Company	
Name :	
Position Held :	
Tel :	Cell :
Fax :	email :
Note 1 – Role refers to the Contractor's responsibility w.r.t. the claimed experience. For example Single Contractor, Main Contractor but with electrical sub – contractor, Sub – contractor for civil construction etc.	

Description of Works	
Project Title :	
High level project description:	
Client :	
Contract No. :	
Contract Value (excl. VAT) :	
Role ^(Note 1) :	
Award Date :	
Completion Date :	
Location of Works :	
Project Manager :	
Construction Manager :	
Contact Details of Reference at Client Company	
Name :	
Position Held :	
Tel :	Cell :
Fax :	email :
Note 1 – Role refers to the Contractor's responsibility w.r.t. the claimed experience. For example Single Contractor, Main Contractor but with electrical sub – contractor, Sub – contractor for civil construction etc.	

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

Description of Works	
Project Title :	
High level project description:	
Client :	
Contract No. :	
Contract Value (excl. VAT) :	
Role ^(Note 1) :	
Award Date :	
Completion Date :	
Location of Works :	
Project Manager :	
Construction Manager :	
Contact Details of Reference at Client Company	
Name :	
Position Held :	
Tel :	Cell :
Fax :	email :
Note 1 – Role refers to the Contractor's responsibility w.r.t. the claimed experience. For example Single Contractor, Main Contractor but with electrical sub – contractor, Sub – contractor for civil construction etc.	

Name of Bidder:

Signed by or on
behalf of Bidder:

Official
Capacity:

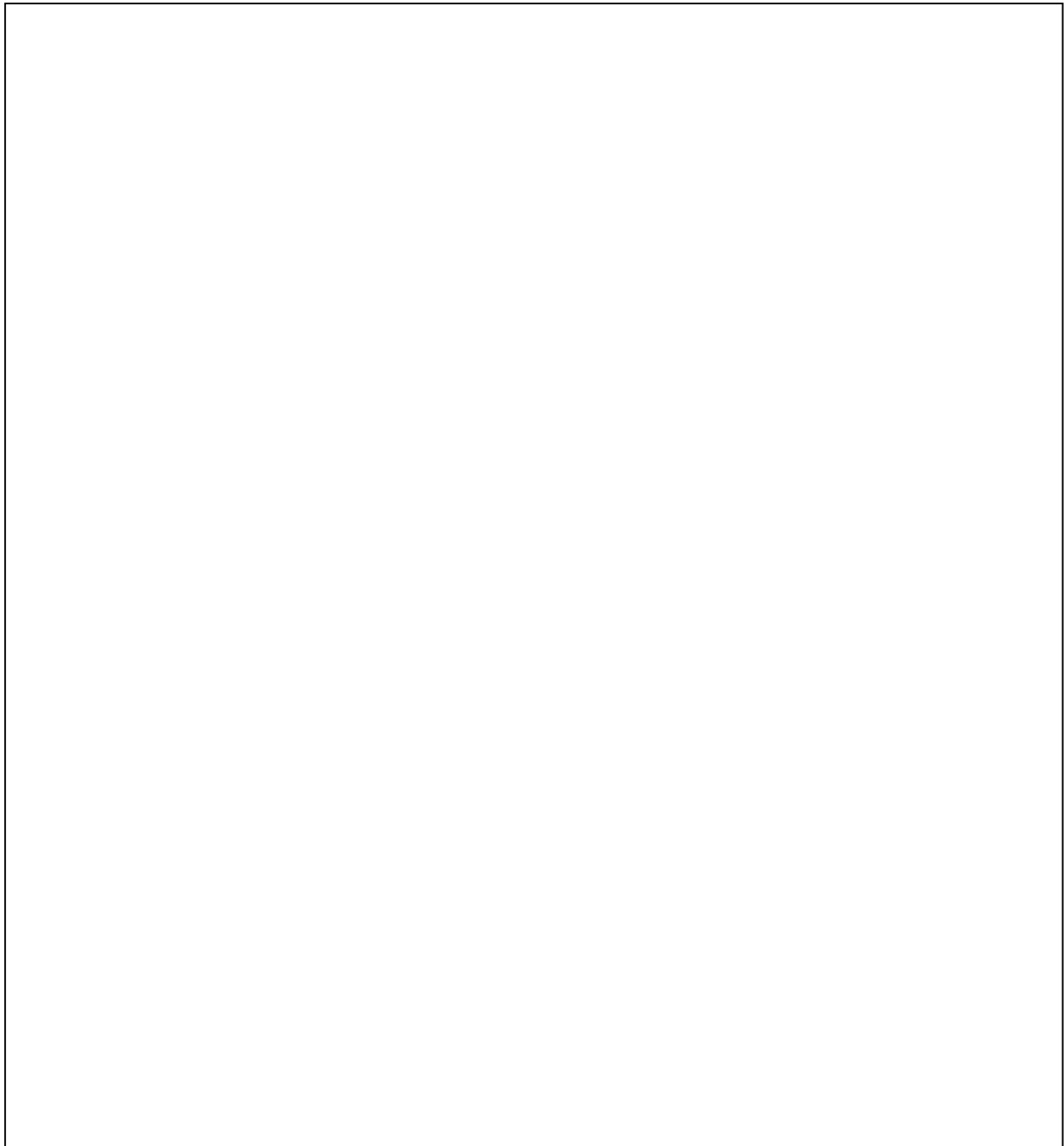
Date:

T2.2.11. HUMAN RESOURCE CAPACITY SCHEDULE

The aspects covered by T2.2.11.1, T2.2.12.2 and T2.2.12.3 will be viewed in conjunction with each other to establish an overall picture of the Bidder's capacity and ability to undertake the work specified in this document.

T2.2.11.1. Project Team Organogram vs. Company Organogram

The Bidder shall detail in the block below their company organogram and the Resources dedicated to this contract must be clearly indicated. In addition, sub-contractor and Joint-Venture arrangements must be clearly indicated:



cont.



BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

T2.2.11.2. Proposed Team Member List (Internal & External)

[illegible]

T2.2.11.3. List of Current Contracts (Work Load)

Contract or Work Title	Client	Contract Value (excl. VAT)	Role ^{NOTE 1}	Progress
				Award Date: Completion Date: % Complete: Stage ^{NOTE2} :
				Award Date: Completion Date: % Complete: Stage ^{NOTE2} :
				Award Date: Completion Date: % Complete: Stage ^{NOTE2} :
				Award Date: Completion Date: % Complete: Stage ^{NOTE2} :
NOTES 1. Role refers to the Contractor's responsibility w.r.t. the claimed experience for example Single Contractor, Main Contractor but with Electrical subcontractor, Sub-contractor for civil construction etc. 2. Stage refers to the current stage of the work (example design, procurement, construction, installation, commissioning, handed over, in Defects Liability Period etc.) 3. Attach additional signed copies of this schedule if insufficient space is available.				

Name of Bidder: _____

 Signed by or on
behalf of Bidder: _____

 Official
Capacity: _____

Date: _____

T2.2.12. EQUIPMENT RESOURCE CAPACITY (PLANT AND EQUIPMENT)

The following are lists of major items of relevant equipment that are presently owned / leased / hired or planned to be purchased / leased / hired and will be available for this contract if the bid is accepted:

Qty	Equipment Description (including capacity/size etc)	Currently Own / Currently Lease or Hire / Plan to Purchase / Plan to Lease or Hire	% Utilisation	
			On other Contracts / Work	On this Contract/ Work

I, the Bidder, guarantee that all the above listed plant and equipment is readily available and/or will be provided when required on the works and maintained on the site in good condition and working order

Name of Bidder: _____

Signed by or on
behalf of Bidder: _____

Official
Capacity: _____

Date: _____

T2.2.13. SAFETY, HEALTH, AND ENVIRONMENT

1. Safety and Health Policy

Bidders shall submit a copy of their company's internal Safety and Health Policy.

2. Safety, Health and Environment (SHE) Plan

Bidders shall submit the project specific SHE plan as per the project specific SHE Specification

3. Safety, Health and Environment (SHE) Risk assessment

Bidders shall submit the project specific SHE risk assessment.

4. Construction Health and Safety Manager / or Officer

Bidders shall submit the details of the name and particulars of the person proposed to be appointed as the Construction Health and Safety Manager/or Officer (include proof of registration with SACPCMP).

5. DIFR Status

Bidders shall furnish their DIFR Status for 2 years in the table below, based on the following formula.

$$DIFR \text{ (annual)} = \frac{(\text{Number of Disabling Injuries})(200000)}{(\text{Number of Hours Worked})}$$

Number of Hours Worked (annual) = Total Number of Employees x Average Hours Worked per Employee per Year

	Current Year	Last Year
Number of Disabling Injuries		
Total Number of Employees		
Average Hours Worked per Employee per Year		
Number of Hours Worked per Year		
Calculated DIFR		

Table T2.2.17: Safety, Health, and Environment

Name of Bidder:

Signed by or on
behalf of Bidder:

Official
Capacity:

Date:



BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

T2.2.14. DETAILS OF EQUIPMENT (INCLUDING MANUFACTURER'S DATA SHEETS & TECHNICAL PUBLICATIONS)

[illegible]

Name of Bidder:

Signed by or on
behalf of Bidder:

Official Capacity:

Date:

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

T2.2.15. RECOMMENDED SPARES, SPECIAL TOOLS AND SERVICING FACILITIES

Number recommended	Description	Price each
		R

SERVICING FACILITIES (Name and address of depot and available facilities).

.....

.....

.....

Special tools provided

.....

.....

.....

Name of Bidder: _____

Signed by or on
behalf of Bidder: _____

Official
Capacity: _____

Date: _____

T2.2.16. PROJECT RISK MANAGEMENT

Project Risk Management Register for Contract 10386457/21 R Response Strategy and Response Action for what Risk Event listed in the table below:											
Risk Identification								Qualitative Risk Assessment		Risk Response Plan	
#	RMP No.	Risk Category	Risk Event	Cause	Effect	Threat or Opportunity	Primary Objective	Probability	Impact	Response Strategy	Response Actions
1		Scope Management	Changes in scope of work or scope creep	Additional items required or poorly identified scope of work	Increase in cost and extension of time	Threat	Cost and Time	Low	Medium		
2		Time Management	Time Delays	Time delays due to plant/site access	Project completion delay	Threat	Cost and Time	Medium	Medium		
3		Cost Management	Price Fluctuations	Economic Volatility	Project Cost Increases	Threat	Cost	Low	Medium		

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

4		Safety & Health	Non Compliance to Health and Safety Regulation	Changing Site Conditions	Non Compliance	Threat	Legal Compliance	Low	Medium		
5		Construction	Differing site conditions	Unexpected geotechnical issues. Natural or manmade obstructions.	Increased project costs	Threat	Cost	Medium	Medium		
6		Project Management	Poor performance of subcontractor	Inexperienced subcontractor	Project delays and poor quality of workmanship	Threat	Time and Quality	Medium	High		



BID NUMBER RW 10384657/22 R

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

Name of Bidder: _____

Signed by or on
behalf of Bidder: _____

Official
Capacity: _____

Date: _____

T2.2.17. PENALTY TABLE

The Bidder is required to acknowledge the penalty table by signing this schedule.

PENALTY TABLES					
DELAYS ON ITEMS ATTRACTING PENALTIES	Value of Contract (Excl VAT.) in millions R				
	<1	≥1<5	≥5<20	≥20<50	≥50
PROGRAMME AND PRELIMINARY DOCUMENTS (Rand's per day delay)	2 000	10 000	20 000	20 000	20 000
DRAWINGS AND DESIGN PACK (Rand's per day delay)	5 000	20 000	30 000	40 000	50 000
SECTIONAL COMPLETION	2% of the value of the outstanding work/ week				
OVERALL COMPLETION	2% of the value of the outstanding work/ week				
COMMISSIONING (Rand's per day delay)	10 000	20 000	30 000	40 000	50 000
REMEDYING OF DEFECTS					
a) Critical to asset functioning/ running (Rand's per day delay)	10 000	50 000	100 000	100 000	100 000
b) Not critical to asset functioning/ running (Rand's per day delay)	1 000	5 000	10 000	10 000	10 000
SHERQ					
a)SHERQ non-conformances, corrective and preventative actions not resolved within the agreed target dates	1 000	5 000	10 000	10 000	10 000
Agreed target dates exceeding 5 working days					
b)Non-reporting of SHERQ incidents and statistics within the required timeframe	1 000	5 000	10 000	10 000	10 000
Within a shift / Within 24 hrs					
c) Repeat SHERQ non conformances	2 000	10 000	20 000	20 000	20 000
During Construction phase	2 000	10 000	20 000	20 000	20 000
SED Implementation					
a. Failure to implement SED objectives (Rands per day delay)	1 000	5 000	10 000	10 000	10 000

Name of Bidder:

Signed by or on
behalf of Bidder:

Official
Capacity:

Date:

SECTION B: CONTRACT

PART C1: AGREEMENT AND CONTRACT DATA

C1.1. FORM OF OFFER AND ACCEPTANCE

C1.1.1. LETTER OF BID

LETTER OF BID

DESCRIPTION: BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

BID NO: RW 10384657/22 R

TO: The Bid Submission Box
Rand Water Head Office
522 Impala Road
Glenvista
Johannesburg
Attention: Ntikane Radebe

We have examined the Conditions of Contract, Specifications, Drawings, Schedules, the attached Appendix and Addenda No.'s for the execution of the above named Works. We offer to execute and complete the Works and remedy any defects therein in conformity with this Bid which includes all said documents, for the total sum of in South **African Rand** (ZAR _____)

(_____)

Amount in Words inclusive of all taxes) or such other sum as may be determined in accordance with the Conditions of Contract.

The total ZAR value quoted above, to include the sum of imported equipment/material sourced directly from outside South Africa. The applicable currency of origin/s must be converted to South African Rand (ZAR) using the closing rate of exchange as published by SARB on the date, one week (7 day calendar days) prior to the closing date for the Bid.

The Bidder shall further complete the offer/letter and stipulate the sum in the currency of origin (i.e. Euro, USD, GBP or any other currency) as noted below.

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

for the sum of in **Euro** (€ _____)
(_____ **Amount in Words inclusive of all taxes***)

or such other sum as may be determined in accordance with the Conditions of Contract.

for the sum of in **USD** (\$ _____)
(_____ **Amount in Words inclusive of all taxes** *)

or such other sum as may be determined in accordance with the Conditions of Contract.

for the sum of in **GBP** (£ _____)
(_____ **Amount in Words inclusive of all taxes** *)

or such other sum as may be determined in accordance with the Conditions of Contract.

for the sum of in **any other currency** _____
(_____ **Amount in Words inclusive of all taxes ***)

or such other sum as may be determined in accordance with the Conditions of Contract.

***Applies to international suppliers that are registered for all taxes in South Africa**

We accept your suggestions for the appointment of the DAB, as set out in the Appendix to Bid.

We agree to abide by this Bid for a period of 180 days from the Submission Date and Time for Bids and it shall remain binding upon us and may be accepted at any time before that date. We acknowledge that the Appendix forms part of this Letter of Bid.

If this offer is accepted, we will provide the specified Performance Security, commence the Works as soon as is reasonably practicable after the Commencement Date, and complete the Works in accordance with the above-named documents within the Time for Completion.

Unless and until a formal Agreement is prepared and executed this Letter of Bid, together with your written acceptance thereof, shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive.

Signature..... in the capacity of.....

duly authorized to sign bids for and on behalf of.....

Address:

Date:.....

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

Signature of Witness: _____

Signature of Witness: _____

Name of Witness: _____

Name of Witness: _____

Date: _____

Date : _____

C1.1.2. CONTRACT AGREEMENT

This Agreement made on the _____ day of (month) _____ (year) _____
between

RAND WATER

(hereinafter called "the Employer")

And

(hereinafter called "the Contractor").

Whereas the Employer desires that the Works known as **DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION** should be executed by the Contractor, and accepted a bid by the Contractor for the execution and completion of these Works and the remedying of defects therein,

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract.

2. The following documents shall be deemed to form and be read and construed as part of this Agreement:
 - a. The Letter of Award
 - b. The Letter of Bid (incorporating the Appendix to Tender)
 - c. The Conditions of Contract
 - d. The Employer's Requirements
 - e. The Returnable Schedules
 - f. The Contractor's Proposal
 - g. The Bid Addenda (where applicable)
 - h. Additional Information Provided by Contractor (where applicable)
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein, in conformity with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price at the times and in the manner prescribed by the Contract.

Authorised signature of Employer

Authorised signature of Contractor

for and on behalf of the Employer

for and on behalf of the Contractor

Name: _____

Name: _____

Designation: **CHIEF EXECUTIVE**

Designation: _____

Date: _____

Date: _____

In the presence of the undersigned witnesses:

Name: _____

Name: _____

Signature: _____

Signature: _____

Date: _____

Date: _____

C1.2. CONTRACT DATA

C1.2.1. GENERAL CONDITIONS

The General Conditions of Contract applicable to this Contract are the “General Conditions” which form part of the “Conditions of Contract for PLANT and DESIGN-BUILD for Electrical and Mechanical Plant and for Building and Engineering Works Designed by the Contractor”

First Edition 1999

As published by the Federation Internationale des Ingenieurs-Conseils (FIDIC)

C1.2.2. PARTICULAR CONDITIONS

The General Conditions shall be amended by the Particular Conditions of Contract as detailed herein.

The following clauses – of the Conditions of Contract for PLANT and DESIGN-BUILD for Electrical and Mechanical Plant and for Building and Engineering Works Designed by the Contractor, First Edition 1999, published by the Federation Internationale des Ingenieurs-Conseils (FIDIC) shall be amended as stated below:

1. GENERAL PROVISIONS

1.1 Definitions

1.1.1 The Contract

1.1.1.2 Delete this definition and replace with the following:
“**Contract Agreement**” means the contract agreement referred to in Sub-Clause 1.6 [Contract Agreement].

1.1.2 Parties and Persons

1.1.2.2 Delete this definition and replace with the following:
“**Employer**” means Rand Water which is a body corporate established in terms of Section 83 of the Water Services Act 107 of 1997.

1.1.3 Dates, Tests, Periods and Completion

1.1.3.2 Delete this definition and replace with the following:
“**Commencement Date**” means the date notified under Sub-Clause 8.1 [Commencement of the Works] save where otherwise defined in the Contract Agreement.

1.1.4 Money and Payment

1.1.4.1 Delete this definition and replace with the following: “**Accepted Contract Amount**” means the amount accepted in the Letter of Acceptance, or the amount recorded in the Contract Agreement if there is no Letter of Acceptance, for the execution and completion of the Works and the remedying of any defects.

1.1.4.13 Include this additional sub-clause:

“**Fixed rate items**” mean those items which have been described as “FIXED RATE” i.e. the Bidder should make allowance for variation in

quantities that could change price and escalation and unforeseen price increments in materials, labour and machineries. Such rate would not be reviewed for new rates in case of any change in quantity whether up or down and also any fluctuation in price of resources.

1.1.6 Other Definitions

1.1.6.2 Delete this definition and replace with the following:
“**Country**” means the Republic of South Africa.

1.1.6.7 Delete this definition and replace with the following:
“**Site**” means the places where the Permanent Works are to be executed and to which Plant and Materials are to be delivered.

1.2 Interpretation

The following is added at the end of this Sub-Clause:

“In these Conditions, provisions including the expression “Cost plus reasonable profit” require this profit to be one-twentieth (5%) of this Cost.”

1.4 Law and Language

Delete this Sub-Clause and replace with the following:

“The Contract shall be governed, construed and interpreted in accordance with the Laws of the Republic of South Africa. The language of the Contract shall be English.”

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

1.6 Contract Agreement

Delete this Sub-Clause and replace with the following:
"The Contractor shall within a reasonable time after having been called upon to do so, enter into and execute a Contract Agreement."

1.8 Care and Supply of Documents

Delete the first sentence of the second paragraph of this Sub-Clause and replace with the following:
"Each of the Contractor's Documents as well as the SHERQ File shall be in the custody and care of the Contractor, unless and until taken over by the Employer."

1.10 Employer's Use of Contractor's Documents

Delete this Sub-Clause and replace with the following:
"For the purposes of this clause, Intellectual Property means statutory and common law proprietary rights in respect of patents, designs, copyright, know how, confidential information, domain names, drawings, data and all other rights in respect of Intellectual Property compiled, created or prepared in execution of the Works to be performed in terms of the Agreement."

As between the Parties, all rights, title and interest and copyright in and to any Intellectual Property, and other intellectual property rights in the Contractor's documents and other design documents made by (or on behalf of) the Contractor and in and to any and all documents prepared in connection with the Agreement shall vest in the Employer."

1.12 Confidential Details

The following is added at the end of this Sub-Clause:
"Unless otherwise provided for in the Agreement, and with the exception of those matters set out herein below, the Parties warrant that each shall keep confidential all matters relating to the Works, and that the Parties, their employees, agents and servants shall not divulge or disclose to any organisation or any person any information, data, documents, secrets, dealings, transactions or affairs relating to or incidental to the Works."

The obligation of confidentiality shall not apply to the following:-

- (a) any matter generally available in the public domain otherwise than as a result of a breach of this clause;
- (b) any disclosure which may reasonably be required for the performance of that Party's obligations under the Agreement;
- (c) disclosure of information which is required by statute, regulation or any other law;
- (d) the provision of information to contractors, consultants, sub-contractors or suppliers for purposes of executing the Works, provided that the obligations of confidentiality herein shall be imposed mutatis mutandis upon such contractors, consultants, sub-contractors or suppliers in their respective contracts; and
- (e) the provision of information to any third person with the express written permission of the other Party."

1.13 Compliance with Laws

The following is added at the end of this Sub-Clause:
"The Contractor shall at all times conform in all respects with the provisions of any Act of Parliament, Regulations, Bye-law of any Local or any other Statutory Authority or other Enactment having the force of law which may be applicable to the performance of its obligations under the Contract and shall indemnify, and keep indemnified the Employer, against damages that it may suffer as a result of any breach by the Contractor, its agents or employees, including any hired labour, of any such Act, Regulation, Bye-law or other Enactment and including all legal costs on the attorney and client scale which may be payable as a result of any claims or proceedings in respect of the Contract."

THE FOLLOWING ADDITIONAL SUB-CLAUSES ARE ADDED TO THE END OF CLAUSE 1:

1.15 Whole Contract

"This Contract is the entire agreement between the parties regarding the matters addressed in the Contract. No representation, terms, conditions or warranties not contained in this Contract shall be binding on the parties. No agreement, or addenda, varying, adding to, deleting or cancelling this Contract, including this Sub-Clause, shall be effective unless reduced to writing and signed non-electronically by both parties"

1.16 Non-Waiver

"No grant by either Party to the other of any indulgence, condonation, waiver or allowance shall, in respect of any specific event or circumstance other than that in respect of which the grant was made, constitute a waiver of rights of the grantor in terms of the Contract or an estoppel of the grantor's right to enforce the provisions of the Contract"

2 THE EMPLOYER

2.4 Employer's Financial Arrangements

This Sub-Clause is deleted in its entirety.

3 The Engineer

3.2 Delegation by the Engineer

The following is added at the end of this Sub-Clause:
"The authority to delegate expressly excludes the delegation of powers to vary the Works in terms of Sub-Clause 13.1 [Right to Vary]."

3.3 Instructions of the Engineer

Delete this Sub-Clause and replace with the following:
"The Engineer may issue to the Contractor (at any time) instructions and additional or modified Drawings which may be necessary for the execution of the Works and the remedying of any defects, all in accordance with the Contract. The Contractor shall only take instructions from the Engineer, or from an assistant to whom the appropriate authority has been delegated under this Clause. If an instruction constitutes a Variation, Clause 13 [Variations and Adjustments] shall apply."

The Contractor shall comply with the instructions given by the Engineer or delegated assistant, on any matter related to the Contract. These instructions shall be given in writing."

Should the Contractor fail within reasonable time to carry out the Engineer's instructions regarding any matter whatsoever on which he is authorized to order and direct the Contractor, then without vitiating the Contract and without prejudice to any other remedy the Employer may have under the Contract, the Employer may, after serving notice of its intention on the Contractor, itself take such action or employ others to take such action on its behalf as the Contractor has failed to take on the Engineer's instructions.

For this purpose, the Employer may use any suitable plant or materials brought on Site by the Contractor. The cost to the Employer of taking action on account of the Contractor's failure to carry out the Engineer's instructions shall be for the Contractor's account and may be recovered from the Contractor by the Employer, but such work shall be valued as if performed by the Contractor in terms of the Contract at Contract rates and included in the payments due to the Contractor.

3.4 Replacement of the Engineer

Delete this Sub-Clause and replace with the following:

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

"If the Employer intends to replace the Engineer, the Employer shall give notice to the Contractor of the name, address and relevant experience of the intended replacement Engineer."

4 THE CONTRACTOR

4.2 Performance Security

In the second paragraph of this Sub-Clause delete the period of "28 Days" and replace with "14 days".

The following is added at the end of this Sub-Clause:

"Should the Contractor fail to provide the said security within the specified time the Employer, in his sole discretion, may either:-

- (a) Withhold payment from the Contractor until the amount withheld is equal to 5% in value of Accepted Contract Amount, or
- (b) Proceed to issue notice in terms of Clause 15 [*Termination by Employer*]"

Delete the last paragraph of this Sub-Clause and replace with the following:

The employer shall return the Performance Security to the Contractor within 21 days after receiving a copy of the Taking-Over Certificate.

4.3 Contractor's Representative

The following is added at the end of this Sub-Clause:

"Without derogating from the generality of the foregoing, the Contractor's Representative shall, at the Contractor's cost, implement forthwith any additional safety precautions which the Engineer may consider necessary for the proper protection of the Contractor's employees engaged in the Works. Work to which such additional precautions will apply shall be suspended pending the implementation of such precautions."

4.8 Safety Procedures

"Without derogating from the generality of the foregoing, the Contractor shall:-

- (a) comply strictly with the Employer's site SHERQ Specifications/Rules, applicable legislation, other requirements and regulations from time to time in force, a copy of which is incorporated into and shall be read as part of the Agreement;
- (b) be responsible for the safety and welfare of all its employees and shall comply with all relevant SHERQ requirements;
- (c) familiarize himself with all the Employer's internal SHERQ systems, regulations, policies and procedures and all legislative or statutory requirements with regard to the health and safety of the Contractor's employees;
- (d) ensure that all his personnel are fully briefed with regards to all relevant policies and safety procedures and that all personnel have attended the requisite inductions;
- (e) ensure that all personnel sign their acceptance of these procedures and regulations – which signed documents are to be kept in a register which is to be made available at all times for inspection;
- (f) at its own cost provide all of its employees with all necessary safety equipment, namely, safety boots, hard hats, overalls etc. and will at all times adhere to the Employer's site rules and regulations, including his subcontractors and their employees, the South African safety regulations in particular, the Occupational Health and Safety Act (No. 85 of 1993) and relevant regulations and their latest revisions;
- (g) be responsible for the discipline of its employees and shall, at the Employer's request remove from the site any incompetent or undesirable employees."

4.9 Quality Assurance

The following is added at the end of this Sub-Clause:

"Without derogating from the generality of the foregoing, the Contractor shall maintain an effective quality management system in accordance with the requirements of ISO 9001 (or equivalent), in order to ensure and demonstrate that the Works and services conform to the specified requirements. A copy of the ISO 9001 Certification Certificate (or equivalent) must be submitted on request.

The Engineer will have the right to visit the manufacturing location for the purpose of audit, surveillance or inspection during the manufacturing of the Materials/Plant to verify the Contractor's quality management.

In the event of the Material/Plant being rejected due to non compliance with the specification, workmanship and/or other valid reasons, then the cost of rectification as well as re-inspection shall be for the account of the Contractor."

4.11 Sufficiency of the Accepted Contract Amount

The following is added at the end of this Sub-Clause:

"Without derogating from the generality of the foregoing, no claim by the Contractor for additional payment will be entertained which is consequent upon any misunderstanding or the allegation, or fact that it was supplied with incorrect information by any person, or its failure to obtain correct information as to any matter affecting its accepted bid or the execution of the Works to be provided, nor will any such misunderstanding, or the obtaining of incorrect information, or the failure to obtain correct information, relieve it from any risk or responsibility for the due fulfilment of its obligations in terms of the Contract."

4.17 Contractor's Equipment

The following is added at the end of this Sub-Clause:

"All Contractor's Equipment shall be subject to and comply with the operational and safety regulations of the Employer and, upon notice by the Engineer, may at all times be inspected by relevant members of the Employer's Personnel for the purposes of ensuring compliance with the aforesaid regulations."

4.18 Protection of the Environment

The following is added at the end of this Sub-Clause:

"The Contractor's attention is directed to Employer's SHEQ Policy a copy of which is incorporated into and shall be read as part of the Agreement.

The Contractor shall comply with all requirements, stipulations and the like of any Environmental Authorisations undertaken and/or issued in respect of the Works."

4.20 Employer's Equipment and Free-Issue Material

The last paragraph of this Sub-Clause is deleted and replaced with the following:

"After this visual inspection, the free-issue materials shall come under the care, custody and control of the Contractor at which point, except where otherwise stated in the Contract, all risk in such free-issue materials shall also pass to the Contractor and shall remain with the Contractor unless and until the said free-issue materials are returned to the custody and control of the Employer."

4.22 Security of the Site

The following is added at the end of this Sub-Clause:

"Without derogating from the generality of the foregoing the Contractor shall at all times remain responsible for the security of his own Equipment.

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

In addition the Contractor shall fully acquaint himself and strictly comply with all the Employer's security regulations particularly with regard to personnel, Plant, Material and Equipment entering or leaving the Employer's property. All badging costs shall be borne by the Contractor."

The following additional Sub-Clauses are added to the end of Clause 4:

4.25 Waiver of Contractor's Lien

"The Contractor waives, in favour of the Employer, any lien or right of retention that is or may be held in respect of the Works to be executed on the Site. The Contractor shall ensure that it procures similar waivers from its subcontractors."

6. STAFF AND LABOUR

6.4 Labour Laws

Delete this Sub-Clause and replace with the following:

"Without derogating from the generality of Sub-Clause 1.13 [Compliance with Laws] the Contractor shall comply with all the relevant labour Laws applicable to the Contractor's Personnel, including Laws relating to their employment, health, safety, welfare, immigration and emigration, and shall allow them all their legal rights.

The Contractor shall require the Contractor's Personnel to obey all applicable Laws, including those concerning safety at work, and shall indemnify the Employer for the consequences of any failure by the Contractor's Personnel to obey all applicable Laws as aforesaid."

6.10 Records of Contractor's Personnel and Equipment

Without derogating from the generality of the foregoing the Contractor shall, render returns of all persons in their employ on site which returns shall be submitted to the Engineer at the end of each month.

In addition no Statement submitted to the Engineer for payment in terms of Clause 14 will be processed by the Engineer unless such Statement is accompanied by a copy of the monthly labour return referred to above"

The following additional Sub-Clauses are added to the end of Clause 6:

6.12 Key Personnel

"The Contractor shall furnish the Engineer with a list of addresses and telephone numbers of key personnel in the Contractor's organisation who may be contacted in any emergency both during and outside normal Working Hours."

Commencement, Delays and Suspension

8.3 Programme

The penultimate paragraph of this Sub-Clause is deleted and replaced with the following:

"The Contractor shall notify the Engineer in writing of any event, circumstance or factor which may adversely affect the Works or the progress thereof, delay the execution of the Works or increase the Contract Price ("notified event"). Such notice shall be given as soon as possible, but in any event within not more than 7 days after the event, circumstance or factor in question was known or should reasonably

have been known to the Contractor. In such notice the Contractor shall provide:

- (a) detailed particulars of the notified event and the potential adverse effects; and
- (b) proposals for the steps to be taken by the Contractor to mitigate the potential adverse effects and meet the Time for Completion.

The Engineer may also require the Contractor to submit a proposal under Sub-Clause 13.3 [Variation Procedure] in respect of any notified event.

A notification in terms of this Sub-Clause shall not constitute a notification of a claim for extension of time or additional cost pursuant to Clause 20 [Claims, Disputes and Arbitration] or otherwise under the Contract.

In the event of the Contractor making a claim for an extension of time or additional cost under Clause 20 the event relied upon shall be assessed as if the Contractor had complied with the 7 day notice period referred to above

8.4 Extension of Time for Completion

This Sub-Clause is amended as follows:

- Sub-paragraph (d) is deleted;
- Sub-Clause (e) is re-numbered as (d)'
- Add the following to the end of the first paragraph of this Sub-Clause:
- "The Contractor shall not however, be entitled to an extension of the Time for Completion to the extent that completion would, in the circumstances, in any event have been delayed by a cause not listed in (a) to (d) above."

14 CONTRACT PRICE AND PAYMENT

14.3 Application for Interim Payment Certificates

This Sub-Clause is amended as follows:

- Delete the words "end of the month" in the first paragraph and replace with "25th day of each month."
- Add the following at the end of this Sub-Clause:
"In the event that the Contractor fails to submit a Statement by the 25th day of the month any late submission will only be evaluated in the next month."
- *Rand Water shall endeavour to make payment within 30 days from date of monthly statement, date of the aforesaid monthly statement should reflect the last day of the month wherein the services being invoiced were rendered.*

14.9 Payment of Retention Money

Delete this Sub-Clause and replace with the following:

The two and a percent (2.5%) retention bond/ guarantee cash shall remain in full force until the takeover certificate has been issued for the works.

The remaining two and a half percent (2.5%) retention of money shall be paid promptly after the expiry date of the defects notification period.

16 SUSPENSION AND TERMINATION BY CONTRACTOR

16.1 Contractor's Entitlement to Suspend the Work

The following words are deleted from the first paragraph of this Sub-Clause:

"or the Employer fails to comply with Sub-Clause 2.4 [Employer's Financial Arrangements]"

18 INSURANCE

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

18.2 Insurance for Works and Contractor's Equipment

Delete the final paragraph of this Sub-Clause and replace with the following:

"The insurance described in the first two paragraphs of this Sub-Clause, namely Works insurance, shall be effected and maintained by the Employer as Insuring Party in accordance with, and to the extent provided in the Employer's construction risks insurance policy.

The insurance described in the third paragraph of this Sub-Clause, namely insurance of the Contractor's Equipment, shall be effected and maintained by the Contractor as Insuring Party.

Notwithstanding anything to the contrary in this Clause 18 [Insurance] (and notwithstanding the definitions and other terms of the Contract), the scope and extent of insurance cover provided by the Employer as the Insuring Party, and the Employer's obligations as the Insuring Party under this Sub-Clause, are subject to the terms of the said policies. Without derogating from the foregoing, the obligations of the Employer as Insuring Party provided for under sub-paragraphs (c), (d) and (e) of this Sub-Clause are specifically subject to the provisions of the said policies.

The Contractor is the Insuring Party for all additional and other insurances under this Sub-Clause, including:

- a. for the Contractor's Equipment,
- b. for Plant and Materials during manufacture or fabrication to the extent not covered by the policies procured by the Employer as the Insuring Party, and
- c. to the extent that the Contractor considers it necessary, for other insurances for risks carried by the Contractor under the Contract (including for the Works, Plant, Materials and/or Contractor's Documents for risks which are not covered, or not sufficiently covered, as the case may be, by the Employer's policy(s)).

18.3 Insurance against injury to Persons and Damage to Property

Delete sub-paragraph (a) and replace with the following:

"shall be effected and maintained by the Employer as Insuring Party to the extent covered by the Employer's insurance policy(s)"

Add the following at the end of this Sub-Clause:

"Notwithstanding anything to the contrary in this Clause 18 [Insurance] (and notwithstanding the definitions and other terms of the Contract), the scope and extent of insurance cover provided by the Employer as the Insuring Party, and the Employer's obligations as the Insuring Party under this Sub-Clause are subject to the terms of the said policies.

The Contractor is the insuring Party for all additional and other insurances under this Sub-Clause."

20 CLAIM, DISPUTES AND ARBITRATION

20.4 Obtaining Dispute Adjudication Board's Decision

The first paragraph of this Sub-Clause is deleted and replaced with the following:

"If a dispute (of any kind whatsoever) arises between the Parties in connection with, or arising out of, the Contract, including the validity of the Contract, or the execution of the Works, including any dispute as to any certificate, determination, instruction, opinion or valuation of the Engineer, either Party may, within 28 days after such dispute arising, refer the dispute in writing to the DAB for its decision, with copies to the other Party and the Engineer. Such reference shall state that it is given under this Sub-Clause. The other Party may within 28 days of receiving a submission to the DAB forward a written reply thereto to the DAB for its consideration prior to it issuing its decision, such reply shall be copied to the other Party and the Engineer"

The fifth paragraph of this Sub-Clause is deleted and replaced with the following:

"The DAB may within 7 days of giving its decision correct in any clerical mistake or any patent error arising from any accidental slip or omission made in giving its decision.

If either Party is dissatisfied with the DAB's decision, then either Party may, within 14 days after receiving the decision or any correction thereto, give notice to the other Party of its dissatisfaction. If the DAB fails to give its decision within the period of 84 days (or as otherwise approved) after receiving such reference, then either Party may, within 14 days after this period has expired, give notice to the other Party of its dissatisfaction.

Neither Party shall be entitled to be represented by a practicing and/or admitted lawyer (including but not limited to attorneys, advocates or judges) in any proceedings before the DAB. The proceedings shall be conducted on the papers unless both parties agree that a hearing should be held, or the DAB otherwise directs. Each Party shall bear its own costs in regard to any matter referred to the DAB."

20.5 Amicable Settlement

"Where notice of dissatisfaction has been given under Sub-Clause 20.4 above, both Parties shall attempt to settle the dispute amicably before the commencement of arbitration. However, unless both Parties agree otherwise, arbitration may be commenced on or after the twenty-eighth day after the day on which notice of dissatisfaction was given, even if no attempt at amicable settlement has been made."

20.6 Arbitration

The first paragraph of this Sub-Clause is deleted and replaced with the following:

"Unless settled amicably, any dispute in respect of which the DAB's decision (if any) has not become final and binding shall be finally settled by arbitration. Unless otherwise agree by both Parties:

- (a) the dispute shall be finally settled under the Rules For The Conduct of Arbitrations as published by the Association of Arbitrators (Southern Africa) in force at the time of commencement of the arbitration,
- (b) the dispute shall be settled by one arbitrator to be appointed by the Chairman of the Association of Arbitrators (Southern Africa),
- (c) the arbitration shall be held in Johannesburg, and
- (d) the arbitration shall be conducted in the language for communications defined in Sub-Clause 1.4 [Law and Language].

For the purpose hereof the term "dispute" shall be interpreted in the widest sense and shall include any dispute or difference in connection with or in respect of the conclusion or existence of the Contract, the carrying into effect of the Contract, the interpretation or application or the provisions of the Contract, the Parties respective rights and/or obligations in terms of and/or arising out of the Contract and/or the validity, enforceability, rectification, termination or cancellation, whether in whole or in part, of the Contract.

The arbitration shall not be construed as a review or appeal of any adjudicator's decision. Resolution of the dispute shall commence anew, as if no adjudication had taken place. The claimant in the adjudication shall be the claimant in the arbitration. The adjudicator's decision, or reasons, shall not be admissible in the arbitration.

Neither Party shall be limited in the proceedings before the arbitrator to the evidence or arguments previously put before the DAB to obtain its decision, or to the reasons for dissatisfaction given in its Notice of dissatisfaction.

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

Any member of the DAB shall not be eligible for subsequent appointment as the arbitrator nor shall any party have the right to call them as witnesses in the arbitration.

This Sub-Clause shall exist independently of this agreement to the extent necessary to resolve disputes that may arise out of or concerning this agreement, its validity or termination".

21 ADDITIONAL GENERAL PROVISIONS

The following additional provisions are added:

21.1 Tax Invoices

The Contractor shall issue an invoice to the Employer for all amounts to be paid to the Contractor under the Contract.

If VAT is payable on any amount certified by the Employer for payment under the Contract, the Contractor shall ensure that the invoice complies with the requirements of a Tax Invoice under the Value Added Tax Act no. 89 of 1991 (as amended). No payment shall be made by the Employer on invoices not meeting this requirement and the Employer shall not be liable for interest for such non-payment.

21.2 Employer's Right to Step-in

If the Contractor fails to carry out any obligation under the Contract and fails to make good the failure and remedy it despite being required to do so by the Engineer by notice under Sub-Clause 15.1 [*Notice to Correct*] (within the specified reasonable time), the Employer, without prejudice to its other rights, powers and remedies under the Contract or in law, shall be entitled to make good the failure and remedy it either himself or via other persons, and the reasonable costs of doing so shall be for the account of the Contractor.

The Contractor shall co-operate with the Employer and facilitate and permit the use of all required Goods, information, materials and other matter (including Contractor's Documents and all other drawings, CAD files, technical data, models, plans, designs, diagrams, evaluations, details, specifications, schedules, reports, calculation results, manuals or other documents or recorded information (electronic or otherwise) which have been or are at any time prepared by or on behalf of the Contractor under the Contract or otherwise for and/or in connection with the Works) and shall generally do all things required by the Engineer to achieve this end.

Any information, materials and other matter made available by the Contractor under this Sub-Clause shall be used solely and exclusively for the purpose of making good and remedying the Contractor's failure and shall thereafter be returned to the Contractor. Any such information, materials and other matter which is made available by the Employer to other persons as contemplated in this Sub-Clause shall be made available strictly in accordance with the foregoing and subject to a confidentiality undertaking *mutatis mutandis* in accordance with the Contractor's confidentiality undertaking under Sub-Clause 1.12 [*Confidential Details*].

The Employer shall not, and shall procure that such other persons do not (save only to the extent that he or they may be entitled thereto by

virtue of any other provision of the Contract), retain any records, copies or reproductions of any such information, materials and/or other matter.

21.3 Limitation of Entitlement where Contractor is culpable

Notwithstanding anything to the contrary, the Contractor shall not be entitled to any extension of time or additional payment or other compensation if and to the extent:

- (a) the cause, event or circumstance giving rise thereto is attributable to the negligence, error or default of the Contractor or any Subcontractor;
- (b) the Contractor fails to take all reasonable steps to mitigate the effects of the cause, event or circumstance giving rise thereto.

21.4 Record and Data Keeping

The Contractor shall maintain all data, records, electronic communications and documentation relating to this Contract and keep full and proper records and accounts in connection with the Works (whether contained in documents or in electronic format), during the execution of the Works and for a period of 5 (five) years after the latest of the expiry dates of the Defects Notification Periods (or the earlier termination of the Contract for any reason whatsoever, as the case may be) and shall ensure that all Subcontractors do likewise.

The Employer's Personnel and the Employer's other authorised representatives and agents shall be entitled to examine, audit, copy and inspect all such books, records, systems, processes, procedures and documents at all reasonable times during the execution of the Works and during the said 5 (five) year period in order to verify compliance by the Contractor with its obligations, and/or to assess any entitlement or claimed entitlement of the Contractor under the Contract.

The Contractor shall provide access to all such books, records, systems, data and documents of the Contractor and to any premises and personnel of the Contractor for this purpose and shall co-operate and render all assistance requested by the Employer's Personnel and the Employer's other authorised representatives and agents.

All data, communications, records and accounts are to be kept in a lockable storeroom and adequately protects against loss which includes, but is not limited to, fire, theft, vermin, etc.

21.5 Damages for the Late Supply of Documentation

If the Contractor fails to provide any of the documents listed in the Appendix to Bid by the dates specified in the Contract the Contractor shall subject to Sub-Clause 2.5 [*Employer's Claims*] pay damages to the Employer for this default. These damages shall be the sum stated in the Appendix to Bid, which shall be paid for each day which shall elapse between the time the document in question was to have been delivered and when it was actually delivered. These damages shall not relieve the Contractor from his obligations to provide the said document, or to complete the Works, or from any other duties, obligations or responsibilities which he may have under the Contract.

C1.2.3. EMPLOYER'S INSURANCE MANUAL

PRINCIPAL CONTROLLED INSURANCE CLAUSES - FOR USE WITH THE EMPLOYER'S CONTRACTS

PARTICULAR CONDITION 18

18.1 Insurance Effected by the Employer.

18.1.1 Notwithstanding anything elsewhere contained in this Contract and without limiting the obligations liabilities or responsibilities of the Contractor in any way whatsoever (including but not limited to any requirement for the provision by the Contractor of any other insurances) the **Employer** shall effect and maintain as appropriate in the joint names of the **Employer** the Contractor and where relevant subcontractors the following insurances which are subject to the terms limits exceptions and conditions of the Policy:

- a) **CONTRACT WORKS** Insurance - which will provide cover against accidental physical loss of or damage to the Works including temporary works, Plant and Materials intended to form part of the Permanent Works
- b) **SASRIA SPECIAL RISKS** Insurance - in respect of riot and associated risks of damage to the Works, including temporary works, Plant and Materials intended to form part of the Permanent Works.
- c) **PUBLIC LIABILITY** Insurance - which will provide indemnity against the insured parties legal liability in the event of accidental death of or injury to third party persons and/or accidental loss of or damage to third party property arising directly from the execution of the contract on or about the Site and occurring during the period of insurance with a limit of indemnity of R250,000,000 in respect of all claims arising from any one occurrence or series of occurrences consequent on or attributable to one source or original cause.

18.1.2 The **Employer** shall pay any premium due in connection with the insurance effected by the **Employer**. All of the aforementioned policies are renewed on an annual basis and are thus applicable for the year they are placed, that is, a 12-month period commencing 01 July and ending 30 June of the ensuing year. In terms of all details contained hereunder, they are thus applicable until 30 June. Policy terms, conditions and deductibles may change on the 01 July depending on the outcome of the renewal. This will thus be the case for every ensuing year of insurance.

18.1.3 The Contractor shall not include any premium charges for this insurance except to the extent that he may deem necessary in his own interests to effect supplementary insurance to the insurance effected by the **Employer**. The **Employer** reserves the right to call for full

information regarding insurance costs included by the Contractor.

18.1.4 Any further clarification of the scope of cover provided by the Policies arranged by the **Employer** should be obtained from the **Employer**:

Mr. Bafana Gamede
Tel: 011 682 0362
Fax: 011 682 0765
Email: bgamede@randwater.co.za

OR
Ms. Lerato
Mosweu

Tel: 011 682 0709
Fax: 011 682 0765
Email: mmosweu@randwater.co.za

18.1.5 In the event of any occurrence which is likely to or could give rise to a claim under the insurances arranged by the **Employer** the Contractor shall:

- a) In addition to any statutory requirement or other requirements contained in the Contract immediately notify the **Employer** by telephone and or e-mail giving the circumstances nature and an estimate of the loss or damage or liability.
- b) Complete a Claims Advice Form available from the **Employer** to whom the form must be returned without delay.
- c) Negotiate the settlement of claims with the Insurers through the **Employer's** Insurance Brokers and shall when required to do so obtain the **Employers** approval of such settlement.

The **Employer** and Insurers shall have the right to make all and any enquiries on the site of the Works or elsewhere as to the cause and results of any such occurrence and the Contractor shall co-operate in the carrying out of such enquiries.

18.1.6 The Contractor will be liable for the amount of the Deductible (First Amount Payable) in respect of any claim made by or against the Contractor or Subcontractors under the insurances effected by the **Employer**.

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

- 18.1.7 The Contractor will be liable for the amount of the Deductible (First Amount Payable) in respect of any claim made by or against the Contractor or Subcontractors under the insurances effected by the **Employer**.
- Insured Contracts**
- All contracts undertaken by the Insured involving Design, Construction, Testing, Commission in respect of new works, capital expenditure, Upgrade, modification, retrofitting, or alteration and/or additions to existing facilities undertaken by the Insured or other Insured Parties acting on their behalf but excluding.
- i) Projects with an estimated period exceeding 36 months (excluding Defects Liability period)
 - ii) Projects exceeding R500 million at inception
 - iii) Contracts involving Tunnelling
- All Sums Insured inclusive of VAT.
- Where more than one Contractor is involved in the same claim the Deductible will be borne in pro-rata amounts by each Contractor in proportion to the extent of each Contractor's admitted claim.
- The Deductibles** (First Amount Payable) for which the Contractors are responsible and which are applicable in respect of each and every occurrence or series of occurrences attributable to one source or original cause giving rise to loss or damage or liability indemnifiable are as follows:
- a) Under the **Contract Works Insurance** in respect of loss or damage
 - Wet Risks:
 - 10% of the claim with a minimum R10,000 and a maximum of R 500,000
 - Maintenance:
 - 10% of the claim with a minimum R10,000 and a maximum R500,000
 - Other contracts:
 - 10% of the claim with a minimum of R10,000 and maximum of R250,000
 - b) Under the **Sasria** (Special Risks) Insurance:

0.10% of the Contract Value in respect of loss by theft following an insured peril subject to a minimum of R2,500 and a maximum of R25,000
 - c) Under the Public Liability Insurance

in respect of loss of or damage to property R 25,000
- d) Under any other insurances shall be as specified in such insurance policy.
- 18.1.7 Any amount which becomes payable to the Contractor or any of his Subcontractors as a result of a claim under the Contract Works Insurance shall if required by the **Employer** be paid net of the Deductible to the **Employer** who shall pay the Contractor from the proceeds of such payment upon rectification repair or reinstatement of the loss or damage but this provision shall not in any way affect the Contractor's obligations liabilities or responsibilities in terms of the Contract.
- In respect of any amount which becomes payable as a result of a claim under any Public Liability Insurances the Contractor or his Subcontractors shall be required to pay the amount of the Deductible to the Insurer to facilitate settlement of such claim.
- 18.2 **Insurance Effected by the Contractor.**
- 18.2.1 Without in any way detracting from any requirements contained elsewhere in this contract the Contractor and Subcontractors shall where applicable provide as a minimum the following:
- a. Insurance of Contractors Equipment (including tools offices and other temporary structures and contents) and other things (except those intended for incorporation into the Works) brought onto the Site for a sum sufficient to provide for their replacement.
 - b. Insurance in terms of the provisions of the Social Security Act as may be amended or in terms of any similar Workers Compensation and Unemployment Insurance enactment's in the Contractors' or Sub Contractor's operational, manufacturing or assembly locations.
 - c. Motor Vehicle Liability Insurance comprising (as a minimum) "Balance of Third Party" Risks including Passenger Liability indemnity.
 - d. Where the Contract involves manufacturing and/or fabrication of the Works or parts thereof at premises other than at the Site the Contractor shall satisfy the **Employer** that all Plant and Materials for incorporation in the Works are adequately insured during manufacture and/or fabrication. In the event of the **Employer** having an insurable interest in such Works during manufacture or fabrication then such interest shall be noted by endorsement to the relevant Policies of Insurance.
- Special Condition**

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

-
- e. *Only applicable if contracts works involves elements of design*
- PROFESSIONAL INDEMNITY** Insurance – of not less than R 1 000 000 for a period of insurance commencing on the date of award of the Contract. The Insurance shall include Retroactive cover to the date of Conceptual Design commencement and should be in effect for a period of 12 months after completion of the works.
Notwithstanding the required limit as set out above, “Professional Indemnity” the contractor will be liable for the full amount of the claim arising out of their errors and omission.
- 18.2.2 The insurances to be provided by the Contractor and his Sub-contractor shall
- a) Be effected with Insurers and on terms approved by the **Employer** – these terms shall be consistent with any terms agreed by both Parties before the date of the Letter of Acceptance. This agreement of terms shall take precedence over the provisions of this Clause
 - b) Be maintained in force for whatever period the perils to be insured by the Contractor are at risk (including any Defects Notification Period during which the Contractor is responsible for the care of the Works)
 - c) Within the respective periods stated in the Appendix to Bid submit to the **Employer** the
- relevant Policy or Policies of Insurance or evidence acceptable to the Employer that such insurances have been effected.
- 18.2.3 In the event that the Contractor or his Subcontractor receives any notice of cancellation or restrictive modification to the insurance provided to them they shall immediately notify the **Employer** in writing of such cancellation or restriction and shall advise what action the Contractor or his Sub-contractor will take to remedy such action.
- If the Contractor fails to effect and keep in force the insurances referred to then the **Employer** may effect and keep in force any such insurances and pay such premium or premiums as may be necessary for that purpose and from time to time deduct the amount paid by the **Employer** from any monies due or which may become due to the Contractor or recover same as a debt from the Contractor.
- 18.3 **Subcontractors.**
- The Contractor shall:
- a) Ensure that all potential and appointed Subcontractors are aware of the whole contents of this clause, and
 - b) Enforce the compliance by Subcontractors with this clause where applicable.

APPENDIX

DECLARATION OF INSURANCE

I hereby declare that the Insurances enumerated below have been effected in accordance with Conditions of Contract applicable to **Bid Number:** RW 10386457/21 R

I further declare that all premiums in respect of the insurances are fully paid up to date and that the insurances shall not be amended and/or cancelled without the prior knowledge and consent of the Employer.

Cover Effected	Clause No	Insurer and Policy Number	Expiry Date
a) Contractors Equipment	PC 18.2.1a)		
b COIDA	PC 18.2.1b)		
c) Motor Vehicle Liability	PC 18.2.1c)		
d) Manufacturing/Fabrication Premises	PC 18.2.1d)		
e) Professional Indemnity (Where Applicable)	PC 18.2.1e)		

N.B.: This Declaration of insurance must be completed and signed by

- i) The Contractor and.
- ii) The Insurer or Insurance Broker appointed by the Contractor

and returned to the Employer together with a letter of good standing from the Workman's Compensation Commissioner in respect of Item b) above.

SIGNED:

- i) For and on behalf of the Contractor

.....

Official Capacity:.....

SIGNED:

- ii) For and on behalf of the Insurer / Broker (delete whichever is not applicable)

.....

Official Capacity:.....

PART C2: PRICING DATA

C2.1. PRICING ASSUMPTIONS

1. These Bills of Quantities (C2.2) shall be used to assist both parties in administering and agreeing any changes/variations, which may arise during the course of the Contract.
2. These Bills of Quantities shall be used to calculate the value of work completed in the evaluation of interim/final payments.
3. The Contractor is deemed to have allowed opposite each item contained in these Bills of Quantities whatever costs and charges it may consider necessary for the carrying out, complying with and due observance of the provisions, conditions and requirements set out in the Contract.
4. No claim whatsoever will be entertained in respect of errors or omissions in pricing due to the brevity of a description of any item contained in these Bills of Quantities which items are fully described or can reasonably be inferred when read in conjunction with the relevant clauses provided for in the Conditions of Contract, Specifications, Drawings or other relevant documentation.
5. Any item left un-priced will be deemed to be provided for elsewhere and no claim for any extras arising out of the Contractor's omission to price any item will be entertained.
6. *The contractor shall determine the contract skills participation goals, expressed in Rand, which shall not be less than the contract amount multiplied by a percentage (%) factor given in Table 2 in the Standard for Developing Skills through Infrastructure Contracts for the applicable class of construction works.*

a. Payment to the contractor to accommodate Part/Full Occupational qualification and Trade qualifications

- i. The contractor shall apportion the learners in the different construction activities based on the scope of work. The cost of accommodating learners will be determined by using Table 3 in the Standard for Developing Skills through Infrastructure Contracts and this cost will be used to determine the value in Rand and will be added to the provision for training as provided for in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule.*

b. Payment to the contractor to accommodate Work Integrated Learners and Candidates for professional registration

- i. The contractor shall apportion the cost of accommodating work integrated learners (P1 and P2 learners) and candidates for professional registration by using Table 3 in the Standard for Developing Skills through Infrastructure Contracts and this cost will be used to determine the value in Rand and will be added to the provision for training as provided for in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule.*

c. Payment to the contractor for supervision and mentoring Part/Full Occupational qualification and Trade qualifications learners

- i. The employer shall make no provision for an additional payment item for the payment of the supervisor and/or mentors for the provision of training as provided for in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule for the training of part/full time occupational learners and/or trade qualification learners.*

d. Payment to the contractor for mentoring Work Integrated Learners and Candidates for professional registration

- i. The contractor shall apportion the cost of mentoring work integrated learners (P1 and P2 learners) and candidates for professional registration by using Table 3 in the Standard for Developing Skills through Infrastructure Contracts and will form part of the cost as provided for in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule for training.*

C2.2. PRICING SCHEDULES / BILLS OF QUANTITIES (BoQ)

The Bidder must refer to **Annexure C2.2: Pricing Schedule / Bill of Quantities (BoQ)** provided with this bid document.

In relation to in the Standard for Developing Skills through Infrastructure Contracts (published in GN 43495 of 20 March 2020):

1. Payment to the contractor to accommodate Part/Full Occupational qualification and Trade qualifications learners

- a. *Should the contractor select Part/Full Occupational qualification and/or Trade qualifications, then the employer shall make provision for payment to the contractor as indicated in Table 3 in the Standard for Developing Skills through Infrastructure Contracts as provided in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule for training.*

2. Payment to the contractor to accommodate Work Integrated Learners and Candidates for professional registration

- a. *Should the contractor select Work Integrated Learners and/or Candidates for professional registration, then the employer shall make provision for payment to the contractor as indicated in Table 3 in the Standard for Developing Skills through Infrastructure Contracts as provided in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule for training.*

3. Payment to the contractor for Mentors to accommodate Work Integrated Learners and Candidates for professional registration

- a. *Should the contractor select Work Integrated Learners and/or Candidates for professional registration, then the employer shall make provision for payment to the contractor as indicated in Table 3 in the Standard for Developing Skills through Infrastructure Contracts as provided in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule for training.*

The Bidder is required to submit the following:

- **Excel® format of the completed pricing schedule or BoQ in a compact disc (CD) or USB flash drive.**
- **Printed format and signed version of the completed pricing schedule or BoQ.**

PART C3: SCOPE OF WORK

C3.1. DATES FOR DELIVERY AND COMPLETION

1. It is estimated that the Contract will be placed on or before <01 June 2022> access to undertake work will only become available after the issue of the Site Access Certificate.
2. The Bidder shall state the proposed start and completion dates based on the above approximate date, these dates shall comply with the dates mentioned below in T2.2.1.4
3. The Bidder shall simultaneously fill in the period required to complete the work in days or weeks from the date of acceptance of the offer by the Employer. This shall be used to adjust dates should the Contract placement date vary.
4. All equipment and plant shall be handed over by <30 July 2024> and the Bidder's programme shall comply with this requirement by the Employer.

Item	Start Date	Completion Date	Working Period (Weeks / Months)
PHASE 1: Compilation and Submission of Preliminary Documentation (Phase).			
PHASE 2: Detailed Design, Procurement, Manufacture, Testing, Delivery and Construction (Phase).			
PHASE 3: Commissioning and Performance Testing (Phase).			
PHASE 4: Proving Period & Defects and Liability Period (Phase).			
PHASE 5: Hand Over (Phase). (Includes completion and submission of final documentation)			

Table C3.1: Dates for delivery and completion

NOTE THAT A DETAILED PROJECT PROGRAMME MUST BE INCLUDED WITH THE BID SUBMISSION

Name of Bidder: _____

Signed by or on
behalf of Bidder: _____

Official
Capacity: _____

Date: _____

C3.2. SCOPE OF WORK

The Bidder must refer to **Annexure C3.2: Scope of Work (including drawings, where applicable)** provided with this bid document.

PROJECT JUSTIFICATION

SS 1.1 PURPOSE

The purpose of this report is to present the proposed multi-discipline scope of works for the replacement of the 2500 mm diameter header in the Cathedral at System 5 at Vereeniging Pumping Station.

SS 1.2 BACKGROUND

System 5 at Vereeniging Pumping Station was installed under the Additional Water Supply (1982) Scheme to augment the then capacity at Vereeniging by 900ml/d and was completed around 1985. The system comprises four spiral flocculators, four longitudinal sedimentation tanks, carbonation bays, a filter house, wash water pump house and Engine Room 4. Water from the filter house gravitates from the four reservoirs in the filter plant to Engine Room 4 via two 2500mm diameter pipelines. The isolation valves for the filter reservoirs and the control valves directing the flow in these pipelines and the chlorine injecting points are housed in a common valve chamber called the Cathedral. Water is further drawn off from these pipes through the wash water pump house to wash the 72 filters located in the filter house.

Recent observations by Vereeniging Pumping Station Staff is that the 2500 mm diameter pipe in the Cathedral is very badly corroded and further inspections by Rand Water's pipeline and mechanical design sections indicate the corrosion is a major risk to Rand Water and requires replacement as a priority. Failure to timeously replace the header shall result in the whole of System 5 at Vereeniging Pumping Station being not available for operation for an extended period. This would result in Rand Water not being able to supply water to the Vanderbijlpark area.

Furthermore, the 2500mm and 1600mm butterfly valves inside the Cathedral are also badly corroded and are leaking. The station is unable to perform routine maintenance of these valves because in order to do maintenance the valves need to be taken out. However, this will require a shut-down of System 5 and it is impossible for the station to shut-down this system regularly.

The Chlorine dosing equipment inside the Cathedral that is responsible for injecting chlorine into the Cathedral Header is severely leaking due to age and lack of maintenance. This poses

a health risk for operations personnel working inside the chamber. It is impossible for the station to conduct regular maintenance on any of the Process, Mechanical, Electrical and Automation equipment inside the Cathedral because the system is continuously in operation and a shut-down is required in order to carry out maintenance work.

SS 1.3 STATUS OF HEADER

The entire pipeline inside the header is badly corroded with rust flakes as thick as 8 mm being visible. The existing weld beads protrude well above the shell indicating considerable loss in wall thickness. The condition inside the pipe cannot be assessed without shutting down the whole of System 5, draining the pipe and then getting into the pipe. Removal of the rust is potentially dangerous as it can cause rupture of the pipeline resulting in injury to people and also loss of the operation of System 5, being the only supply to Engine Room 4.

The temporary external carbon fibre wrapping of the header is expected to extend the life of the header for five years after installation. The carbon fibre wrapping was installed in February 2011. Thus, it was intended to last until the end of 2015, with the minimum design life having elapsed, therefore there is an urgent need to design, supply, deliver, install and commission the necessary equipment and to secure shut-downs of System 5 to replace the header.

SS 1.4 PROPOSAL

It is proposed that the following items of work be carried out to remedy the problems being experienced inside and with regards to the Cathedral Header. These items of work are as per the original scope of work (dated: 04/02/2012, titled: Upgrade of the Cathedral Header at System 5 at Vereeniging Pumping Station) agreed upon with the station personnel and must be carried out according to Rand Water Specifications and as per the approval of all relevant stakeholders:

- The 2500mm diameter header inside the Cathedral Header must be replaced.
- The three 2500mm diameter butterfly valves on the Cathedral Header must be replaced.
- The four 1600mm diameter butterfly valves on the incoming lines from the filters must be replaced.
- The Chlorine dosing equipment inside the Cathedral must be replaced.
- The existing monolithic roof of the Cathedral must be replaced with a new removable roof cover. The new cover must incorporate openings for pipes for the extraction of chlorine gas.
- Install fans for extracting chlorine gas from inside the chamber if there is a leak.
- A new valve chamber must be constructed over the northern and southern legs of the Cathedral Header entering in to Engine Room 4 with 2500mm diameter valves. This will

ensure that the two legs of the header can be isolated in future for maintenance (R028765/100).

- Upgrade the Electrical and Automation equipment

CIVIL SCOPE OF WORKS

SS 1.5 Scope of Contract

The Contractor's obligations under this project shall include, but not be limited to the following principal items (the exact extent for the scope of works shall be verified by the contractor with the Engineer prior to tendering):

SS 1.6 Cathedral Header

- A. Fencing off around designated site areas
- B. Surveying and setting out of works
- C. Accommodation of traffic along existing road maintaining entry and access for the Employer's staff
- D. Relocation and/or protection of existing services and structures
- E. Removal and disposal of existing precast concrete roof panels
- F. Removal and temporary storage of header entrance shed and automation/electrical kiosks
- G. Dismantling, removal, temporary storage, conditional assessment of existing structural steel work and refurbishing of existing structural steel walkways inside the cathedral header
- H. Sequential support of existing concrete walls and demolition of existing concrete roof (by sawing)
- I. Dealing with water (pumping to wash water sump)
- J. Demolition and storage of existing steel pipeline and valves within the cathedral header (to be handed over to Rand Water)
- K. Installation of new pipelines and valves
- L. Reinstatement of steel walkways
- M. Erection of new removable steel roof and supporting structures
- N. Reinstatement of structures damaged or relocated during construction to their preconstruction condition / location.

SS 1.7 Valve Chamber

- A. Fencing off around designated site areas
- B. Surveying and setting out of works
- C. Accommodation of traffic along existing road maintaining entry and access for the Employer's staff
- D. Relocation and/or protection of existing services and structures
- E. Services detection including detecting the location and depth of services

- F. Excavation and Earthworks including dealing with water in excavations, as well as confirmation of founding conditions (by an appointed Professionally Registered Geotechnical Engineer)
- G. Design and construction shoring system for vertical excavations
- H. Construction of water tight chamber to Rand Water specification
- I. Watertightness testing of chamber prior to backfill
- J. Design and installation of maintenance walkways with provisions for the dosing points
- K. Backfilling with imported material or as prescribed by the Geotechnical investigation or construction drawings
- L. Construction of paving around structure
- M. Reinstatement of structures damaged or relocated during construction to their preconstruction condition / location.

PIPELINE SCOPE OF WORKS

SS 3.1 Overview:

The work consists of the isolation and removal of existing Cathedral Header in phases and the manufacturing and installation of pipework, and associated civil works for the Cathedral Header. The Cathedral Header pipework consist of following items namely 2500mm x 1600mm tee pieces with 800mm access manholes and chlorine dosing points, including flanges. The installation will have to be done in accordance with the applicable specifications, variations and additions to the standardized specifications applicable to this contract and the technical specifications of Rand Water for work that falls outside of the standardized specifications.

In addition to the works indicated above the Contractor shall also perform installation of the wrappers and support ring indicated on the drawings.

The Contractor to supply, deliver and install pipes, and/or pipe specials, and take delivery and or collect valves and any instrumentation if applicable, by collecting the material from the following destinations;

Valves and any instrumentation from Rand Water's Pipe Plant and/or Store at Central Depot, Zwartkopjes Pump Station or as instructed by the Engineer

The Contractor must supply all resources and equipment needed for the successful implementation of the pipework.

The work to be performed by the Contractor shall not be limited to:

- A. Manufacture pipe specials items as per drawing no. RA17924 (if not already manufactured), and provide Data Pack of all manufactured pipes and specials.
- B. Shutdown of partial of header and drain any excess water and isolation of the Cathedral header in phases.
- C. Remove 2 x 1600mm Butterfly valves through roof openings.
- D. Install spades or blank flanges onto 2 x 1600mm and 1x 2500mm flanges for double isolation
- E. Remove existing tee pieces and other components through roof openings.
- F. Clean up and dry up areas for installations of new pipework and valves
- G. Inspect and collect, unload onto sandbags, install pipe specials and other related parts, support ring and internal wrapper plate. Also install all butterfly valves, within the chamber.
- H. Complete and repair the protective coatings as follows: Rigid Polyurethane external coating and solvent free rigid polyurethane internal lining.
- I. Pressure-test the completed pipeline and specials to required procedures
- J. Conduct CCTV inspections prior to internal handover of the header as specified in the tender document
- K. Submit all required documentation with handover (internal and external) of the header
- L. Once one phase is done repeat process for the second phase (to be informed by the shutdown protocol)
- M. Effect all repair work to concrete plinths and structure that are required.

N. Minor repair work to concrete surfaces

SS 3.2 Other requirements of the Contractor:

- A. Evaluate and comment on the design package when a problem on site during construction occurs, identify possible opportunities to reduce cost and scheduled time while not compromising the integrity, safety and quality of the project
- B. The Contractor shall submit to the Project Manager and or designated Resident Engineer for approval on any proposed design changes
- C. Establishes the risk associated with the implementation of the works
- D. Procures the required labour, services, plant and material
- E. Receive and install the free issue items
- F. Deliver and install all required plant and material to site
- G. The Contractor ensures that he and his Sub-contractors meet the Quality Control Plan (QCP) requirements

SS 3.3 Taking over of the Works:

- A. The responsibility for operation and routine maintenance passes to the Employer at Completion. The Contractor ensures clean-up requirements at Completion and ensures that they are implemented
- B. The Contractor transmits a complete set of marked-up drawings/as-built drawings in Rand Water's format to the Employer before the testing of the Works

C. The Contractor compiles quality control (QC) hand-over documentation files (Data-pack which must be keep up to date as the project progresses) for each piece of material individually which consists of :

- Notice and acceptance of completion form;
- Checkout conformation form;
- Checklist applicable to Equipment;
- Punch / Defects list;
- Certificate of compliance by an accredited person for the portion of installation;
- Tests, calibration, material, SABS and QC certificates;
- Completed data sheets; and
- Accepted for construction drawings
- Relevant drawings;
- Material certificates indicating material compliance and type;
- Engineering and design changes
- Safety requirements for installation and maintenance;
- The detailed maintenance procedure documentation;
- Fabrication and inspection plan;
- List of tagged items for transport and construction;
- Internal verification documents;
- Guarantees that the Contractor and his Sub-contractor's or suppliers provide;
- A list of Equipment to undertake NDE
- Dates of manufacturing, expiry and certificates indicating that coating and lining products are still within specification.

MECHANICAL SCOPE OF WORKS

The Mechanical scope of work shall include the design, supply, installation and putting into service of 7 Butterfly valves with actuator extensions

- A. Design and supply actuators complete with adequately supported extensions
- B. Design and supply platforms to access actuators

- C. Servicing and testing of valves complete with actuators.
- D. Installation and commission of valves complete with actuators and actuator extensions.
- E. Refurbishment and galvanizing access steel platforms and handrails.
- F. Design, supply and install a mechanical ventilation system.
- G. Design, supply and install and drainage/ sump pumps.

SS 1.7.1 Deliverables

- A. Supply, install and commissioning of extended spindles, actuator platforms actuators and gearbox assembly.
- B. Service, pressure test and installation of four 1600 diameter valves and three 2500 diameter valves.
- C. Supply, install and commissioning of mechanical ventilation system
- D. Supply, install and commissioning of sump pump(s) system.

SS 1.8 Assumptions

- A. The valves, actuators and gearbox assembly exist.

ELECTRICAL SCOPE OF WORKS

Provide for the design, supply, delivery, installation and commissioning of the following items as a minimum:

- A. Provision for all circuit breakers and additions in the existing Wash Water 400 V MCC.
- B. Provision for new cabling, cable supports and excavations between Wash Water plant MCC, Cathedral Header and new Valve Chamber (at Engine Room 4) installations.
- C. Provision for new electrical kiosks at the Cathedral Header and new Valve Chamber.
- D. Provision for all electrical power and control cabling to equipment at the Cathedral Header and new Valve Chamber.
- E. Provision for new cable racking and cable support systems at the Cathedral Header and new Valve Chamber.
- F. Provision for new 400 Volt distribution kiosk at the Cathedral Header.
- G. Provision for new Small Power and Lighting corrosion resistant installation complete with a new distribution board at the Cathedral Header.
- H. Provision for new Small Power and Lighting installation at the new Valve Chamber.

BID DESCRIPTION: DESIGN, MANUFACTURE, SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND PUTTING INTO SERVICE OF AN ELECTRICAL & SMALL POWER AND LIGHTING INSTALLATION AND ASSOCIATED WORKS AT THE VEREENIGING CATHEDRAL HEADER AND ENGINE ROOM 4 VALVE ISOLATION CHAMBERS AT VEREENIGING PUMPING STATION

- I. Provision for earthing of all new installations and equipment at Cathedral Header and new Valve Chamber.
- J. Provision for new sump pump control panels complete with flood alarm indication and siren.
- K. Provision for power and control cabling for the new extraction fan at the Cathedral Header chamber.
- L. Provision for pedestal mounted local isolator control panels for each actuator at the Cathedral Header and new Valve Chamber.
- M. Provision for all design drawings, single lines, general arrangement drawings, documentation, manuals, etc.
- N. Provision for all cable and equipment labeling.

Additional electrical works required:

- A. Provision for the decommissioning and removal of all redundant valve cabling, cable supports, electrical equipment, etc. at the Cathedral Header.
- B. Provision for the disconnection and removal of the existing Small Power and Lighting distribution board and installation at the Cathedral Header.
- C. Provision for the decommissioning and removal of the existing electrical equipment for the Cathedral Header chamber sump pump system.
- D. Provision for the decommissioning and removal of the existing emergency sump pump control panel and cabling at the Cathedral Header.

AUTOMATION SCOPE OF WORKS

The Automation Scope of work shall include the supply, installation and putting into service of the following:

SS 1.9 PLC

- A. Industrial Ethernet network linking the valve actuator PLC to SCADA in the Control Room with full redundancy.
- B. Interface to the existing Ethernet fibre optic network.
- C. Profibus network linking each valve actuator to the PLC.

- D. Full redundant Fiber Optic Profibus network to each valve actuator.
- E. Programming of the PLC to communicate to the valve actuators.
- F. Programming of the Control Room SCADA to remotely monitor and control the valve actuators.
- G. PLC Panel for Automation equipment.
- H. Linking sump pumps to PLC and SCADA for status monitoring purposes.

The Bidder must refer to **Annexure C3.2: Scope of Work (including drawings, where applicable)** provided with this bid document.

One of the objectives of the project is to train 06 (occupational qualifications, trade qualification, work integrated learners – P1 and P2 learners, professional candidates).

PART C4: SITE INFORMATION

C4. SITE INFORMATION

a) SITE LOCATION

The Site of the work is Vereeniging Pumping Station.

Directions to the site (see Drawing SA1181/2) are as follows:

The site of the work is within the high security area at the Vereeniging Pumping Station is approximately 60km south of Gauteng in Vereeniging.

- Take R59 to Vereeniging.
- Take Voortrekker Road off ramp.
- Drive through Voortrekker Road passing a railway line crossing.
- Opposite Vereeniging Refractories turn right.
- Enter Rand Water, Vereeniging Pumping Station.
- Clarification meeting will start at the Visitors Parking.

GPS: S26°41.410'

E027°55.069'

Elevation = 1446m

b) SITE BOUNDARIES

The Contractor shall confine his activities to the area in the vicinity of designated sites, which is fenced and the actual boundaries of the site will be pointed out by the Engineer. The Contractor shall not extend his activities outside the boundaries unless the Engineer has specifically authorised the extension in writing.

c) SITE ACCESS

A Site Access Certificate will be required before the Contractor is granted access to site. Please see Additional Particular Conditions of Contract for details of this certificate and where to obtain it.

d) POSSESSION OF SITE

The written order to commence the work will be deemed to give the Contractor possession of the site. In the event of any portion of the work or completion of the contract being delayed due to the Employer delaying the Contractor in taking possession of the site, an extension of time may be allowed by the Engineer. The Employer shall not be liable for any payment in respect of such delays.

e) ACCOMMODATION ON SITE

No housing is available. The Contractor's employees will not be allowed to be accommodated on the site.

The Contractor shall erect, maintain and remove on completion of the work, ample temporary offices and sheds to the Engineer's approval, for proper storage of perishable and other materials and for the use of the workmen.

f) LATRINES

The Contractor shall provide for the duration of the contract, latrine accommodation on the site in the form of chemical closets for the use of persons employed on the works. All latrine accommodation provided by the Contractor shall be efficient, sanitary and non-offensive and all sanitary fees payable to any local authority shall be paid by the Contractor.

g) ACCESS ROADS

The Contractor shall be liable for all unnecessary and unreasonable damage caused by his equipment and/or transport to the access roads and fences. The cost of repair and reinstatement of unnecessary and unreasonable damage to these roads and fences will be deducted from moneys due to the Contractor.

h) SERVICES ON SITE

- A sufficient supply of water is available at a convenient point at the sites from which the Contractor shall be responsible for the distribution of water.
- The Contractor shall be entitled to use, for the purpose of carrying out the installation, such supplies of electricity and water as may be available on the sites, but shall provide, at his own expense, any apparatus necessary for such uses; no charge will be made for these facilities. The supply of electric power is limited to the use of small tools only (3 kVA); welding machines and similar equipment shall be engine driven. The actual supply of these services is not guaranteed.
- There is no compressed air available on the site.

i) SITE SECURITY

The sites are subject to strict security control and the Contractor and his work staff shall comply fully with any requirements imposed by the Employer's security personnel. Permits, issued by the Manager of the site, are required for admission to the sites and, before starting work on the sites, the Contractor shall make arrangements with the Engineer for the issue of the necessary permits for himself and his employees. For purposes of identification, all personnel will be required to carry their identity documents and shall show these, on request, either at entry to the Designated Pumping Station or within the Pumping Station site. The Contractor and his employees will be confined to the site, and the access roads listed above and action will be taken against anyone outside the prescribed areas.

j) CLEANING UP OF WORKS AND SITE

The Contractor shall maintain the whole of the site in a clean and orderly condition, to the satisfaction of the Engineer. On completion of the work the Contractor shall tidy up the site to the satisfaction of the Engineer; all temporary buildings shall be dismantled and removed; all surplus material, debris etc shall be carted away and the whole site shall be left in a neat and orderly condition.

k) ATMOSPHERIC AND ENVIRONMENTAL CRITERIA

Typical site conditions are as follows:

Environment:	Outdoors
Altitude (m)	1340
Approx. highest temperature on record (°C):	38
Approx. lowest temperature on record (°C):	-9
Relative Humidity (%)	100

l) INDUCTION

The Contractor shall be responsible for acquainting him or herself with and attending any safety induction courses presented at the applicable sites as prescribed by the safety specification

- The Contractor shall be responsible for acquainting him or herself with and attending any safety induction courses presented at the applicable sites.
- The Contractor shall supply the following documentation to the Engineer, which will be sent to the relevant site prior to induction:
 - ID copies of all the personnel that will be working on site
 - Valid Letter of Good standing (COID certificate) from the Workman Compensation
 - All the signed appointment letters as per construction regulation. E.g. Building work, Supervisor, Scaffolding Inspector, Safety Officer /Representative, etc
 - Signature of the Engineer or the Employer's Representative in charge of the contract
 - Initials on each page by the Contractor in charge of the Contract
 - Tool list
 - Candidates to be present for the Induction
 - Health and Safety plan

- Risk Assessment plan
- Proof of CIDB grading

The Bidder must refer to **Annexure C4: Site Information** provided with this bid document.

1. PROCUREMENT (in relation to in the Standard for Developing Skills through Infrastructure Contracts (published in GN 43495 of 20 March 2020):

- a) *The successful contractor may employ part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates directly or through a Skills Development Agency (SDA), (A1 - List of cidb accredited SDAs).*
- b) *The successful contractor shall ensure that no single method shall contribute more than 75% of the CSDG for the contract.*
- c) *The successful contractor may only place 33% employed employees or that of his subcontractors contributing to the CSDG.*
- d) *The successful contractor must employ at least 60% of the learners from an FET / TVET college should the contractor select to have part/full occupational qualification learners and trade qualification learners contributing to the CSDG.*
- e) *The successful contractor shall employ at least 5% from eligible part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates in the employment of the employer.*

2. MANAGEMENT (in relation to in the Standard for Developing Skills through Infrastructure Contracts (published in GN 43495 of 20 March 2020):

- a) *The successful contractor must keep site records regarding the part/full occupational qualification learners', trade qualification learners', work integrated learners' or candidates' progress, site attendance, hours worked and other relevant information as required by the Standard.*
- b) *The successful contractor shall provide the required number of appropriately qualified mentors to the maximum number of part/full occupational qualification learners, trade qualification learners, work integrated learners in the proportion as specified in the Standard.*
- c) *The successful contractor shall provide a supervisor to manage the training of the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates*

- d) *The successful contractor shall submit to the employer's representative a baseline training plan in the specified format (Pro-forma A2) for the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates within 30 days of start of the contract.*
- e) *The successful contractor shall submit to the employer's representative project interim report in the specified format (Pro-forma A3) on the progress of each of part/full occupational qualification learner, trade qualification learner, work integrated learner, candidate every three months.*
- f) *The successful contractor shall submit to the employer's representative the names and particulars in the specified format (Pro-forma A4) of the supervisor, mentors for the part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates within 30 days of start of the contract.*
- g) *The successful contractor shall keep a daily record of all the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates on site and their daily activities and shall be made available to the employer's representative on request.*
- h) *The successful contractor shall submit to the employer's representative the reports on the progress and status of the part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates with the monthly invoice for the payment certificate.*
- i) *The successful contractor shall have health and safety inductions for all part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates*
- j) *The successful contractor shall conduct entry and exit medical tests of all part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates*
- k) *The successful contractor shall provide personal protective equipment (PPE) to all part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates at the start of their employment on site.*