



# REQUEST FOR BID ENGINEERING PROCUREMENT AND CONSTRUCTION / TURNKEY

Form No: RW SCM 00048 F  
Revision No: 07  
Effective Date: 16 Sept 2022

**BID NUMBER: RW/10401618/22 R**

## PILOT PROJECT – PROVISION OF ONLINE WATER QUALITY MONITORING SYSTEM(S) WITHIN THE BULK WATER DISTRIBUTION NETWORK

**MINIMUM CIDB CONTRACTOR GRADING FOR THIS BID: N/A**

<b>ISSUE DATE:</b>	FRIDAY, 04 NOVEMBER 2022		
<b>NON-COMPULSORY BRIEFING SESSION DATE:</b>	FRIDAY, 11 NOVEMBER 2022	AT 10 :00AM	
<b>BRIEFING SESSION VENUE:</b>	RAND WATER HEAD OFFICE, INDABA BOARDROOM, 522 IMPALA ROAD, GLENVISTA		
<b>CLOSING DATE:</b>	FRIDAY, 20 JANUARY 2023	AT 12 :00 PM	
<b>SITE VIEWING DATE/S:</b>	REFER TO T1.1 BID NOTICE AND INVITATION		

BIDDER INFORMATION			
<b>BIDDER NAME</b>			
<b>POSTAL ADDRESS</b>			
<b>STREET ADDRESS</b>			
<b>TELEPHONE NUMBER</b>	<b>CODE</b>		<b>NUMBER</b>
<b>CELLPHONE NUMBER</b>			
<b>E-MAIL ADDRESS 1</b>			
<b>E-MAIL ADDRESS 2</b>			
<b>VAT REGISTRATION NUMBER</b>			<b>CIDB GRADING</b>
<b>SUPPLIER COMPLIANCE STATUS</b>	<b>TAX COMPLIANCE SYSTEM PIN:</b>		<b>CENTRAL SUPPLIER DATABASE No:</b> MAAA.....
<b>B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE</b>	[TICK APPLICABLE BOX]  <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>B-BBEE STATUS SWORN AFFIDAVIT (EMEs and QSEs)</b>	[TICK APPLICABLE BOX]  <input type="checkbox"/> Yes <input type="checkbox"/> No

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:			
BUYER		SOURCING MANAGER	
<b>CONTACT PERSON</b>	Mpolokeng Mtimkulu	<b>CONTACT PERSON</b>	Aphilile Thuntulwane
<b>TELEPHONE NUMBER</b>	(016) 430 8679	<b>TELEPHONE NUMBER</b>	(011) 682 7010
<b>E-MAIL ADDRESS</b> <small>(Submissions must be made to this address)</small>	mpmtimku@randwater.co.za	<b>E-MAIL ADDRESS</b>	athuntul@randwater.co.za

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## SECTION A: BID

### PART T1: BIDDING PROCEDURES

#### T1.1. BID NOTICE AND INVITATION TO BID

<p>Rand Water invites bids for the pilot project – provision of online water quality monitoring system(s) within the bulk water distribution network.</p> <p>The technical requirements for the <i>works</i> are fully stated in the employers' requirement / bid documentation.</p>	
<b>Minimum Contractor CIDB Grading Required</b>	Not Applicable
<b>Contracting Strategy</b>	EPC / Turnkey
<b>Classification</b>	Specialised work
<b>Procurement Procedure</b>	Rand Water uses a single volume approach.
<b>Awarding Strategy</b>	<p>The maximum number of suppliers to be awarded this bid is <b><u>two (2)</u></b>.</p> <p><i>Where the award is made to more than one supplier, Rand Water shall negotiate with the highest ranking pre-determined number of suppliers to normalise the prices, prior to award.</i></p>
<b>Access to the Bid Documents</b>	<p>The bid documents are downloadable on the National Treasury e-Tender Publication portal which can be accessed through the following link: <a href="http://www.etenders.treasury.gov.za">http://www.etenders.treasury.gov.za</a>.</p> <p>No bid documents will be issued to Contractors 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.</p> <p>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.</p>
<b>Bid Clarifications</b>	<p>Bidders can seek clarification by no later than <b>fifteen (15)</b> calendar days before the bid closing date.</p> <p>Rand Water will provide a final response on clarifications by no later than <b>ten (10)</b> calendar days before the closing date.</p>
<b>Bid Addenda</b>	Rand Water shall issue addenda, where applicable, by no later than <b>ten (10)</b> calendar days before the closing date. Bid addenda will be published on the eTender Publication Portal.
<b>Bid Submission Location</b>	<p>Bids must be submitted before or on closing date and time at the following address:</p> <p><i>Rand Water Head Office   522 Impala Road   Glenvista   2058 (in the Bid Submissions Box at the Main Gate)</i></p>
<b>Bid Validity</b>	To be valid for <b>180</b> days after closing date

	<p>Rand Water reserves the right to extend the validity period for a period reasonable for business requirements.</p>																				
<p><b>Subcontracting</b></p>	<p>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.</p> <p>The responsibility to subcontract with competent and capable subcontractors rests with the main contractor/ supplier.</p> <p>As far as possible, the bidder must consider subcontractors from the area/s where the project will be taking place.</p> <p>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.</p>																				
<p><b>Rotation of Suppliers</b></p>	<p>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.</p>																				
<p><b>Site Viewing Date/s, Time, and Venue</b></p>	<p>2 SITES PER DAY:</p> <ul style="list-style-type: none"> <li>• TUESDAY, 15 NOVEMBER 2022 – SASOLBURG (10:00AM) AND TRICHARDT (2:00PM)</li> <li>• WEDNESDAY, 16 NOVEMBER 2022 – TOWNLANDS (10:00AM) AND MAMELODI (2:00PM)</li> </ul> <table border="1" data-bbox="564 1236 1449 1653"> <thead> <tr> <th colspan="2">SITE</th> <th>REGION</th> <th>CO-ORDINATES</th> </tr> </thead> <tbody> <tr> <td>Mamelodi Station</td> <td>Pumping</td> <td>Northern</td> <td>25°41'11.18" S, 28°26'15.70" E</td> </tr> <tr> <td>Sasolburg Station</td> <td>Pumping</td> <td>Southern</td> <td>26°48'42.60" S, 27°50'32.91" E</td> </tr> <tr> <td>Trichardt Station</td> <td>Pumping</td> <td>Eastern</td> <td>26°27'35.01" S, 29°14'11.24" E</td> </tr> <tr> <td>Townlands Station</td> <td>Pumping</td> <td>Western</td> <td>25°36'45.10 S, 27°13'20.24" E</td> </tr> </tbody> </table>	SITE		REGION	CO-ORDINATES	Mamelodi Station	Pumping	Northern	25°41'11.18" S, 28°26'15.70" E	Sasolburg Station	Pumping	Southern	26°48'42.60" S, 27°50'32.91" E	Trichardt Station	Pumping	Eastern	26°27'35.01" S, 29°14'11.24" E	Townlands Station	Pumping	Western	25°36'45.10 S, 27°13'20.24" E
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## 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.

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 <i>Bid</i> 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	<p>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 <b>N/A</b> class of construction work, are eligible to have their tenders evaluated.</p> <p>Joint ventures are eligible to submit bids provided that:</p> <ol style="list-style-type: none"> <li>1. every member of the joint venture is registered with the cidb;</li> <li>2. the lead partner has a contractor grading designation in the <b>N/A</b> 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.</li> <li>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 <b>N/A</b> class of construction work or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations.</li> </ol>
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:

	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Calculations must be set out in a clear and logical sequence and must clearly reflect all design assumptions.</li> <li>• Pricing Data must reflect all assumptions in the development of the pricing proposal.</li> <li>• The pricing of the alternative bid offer may not exceed the pricing of the main bid offer.</li> </ul> <p>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.</p>
C.2.13.5 C.2.13.7	<p>Bidders must submit <b>one (1)</b> copy of the bid document and returnable documents <b>AND Compact disc (CD) or USB flash drive with pdf format of the bid document and returnable documents.</b></p> <p>The Employer’s address for delivery of the bid offers is stated in the Bid Notice and Invitation to Bid.</p> <p>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.</p>
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	<p>The bid offer validity period is as stated in the Bid Notice and Invitation to Bid.</p> <p>No bid substitutions will be allowed after the closing date and time.</p>
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. (CIDB Best Practice Guideline #A3 Evaluation tenders offers, February 2008)
C.3.11	<p>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></p> <p><b>a) Test for responsiveness/ Pre- Qualifiers</b>          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.</p>

**b) Functionality evaluation**

Refer to the criteria as stated in T1.3 of this bid document. A minimum score of 70 percent must be obtained for the bid submission to be considered further.

**c) Price (NOT APPLICABLE)**

**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.

**d) Preference Points**

**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):**

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

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***

**BBBEE STATUS (P<sub>p</sub> = 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***

**SUMMARY**

The total number of functionality/ quality (PF) shall be the sum total of the product of quality criteria by weight allocated.

	<p>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.</p> <p><b>PT = Ps + PP</b></p> <p><b>Rand Water does not bind itself to accept the bid with the highest number of adjudication points.</b></p>
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. TEST FOR RESPONSIVENESS / 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. Pricing schedules/ rates for proposed resources must be fully completed and detailed.
4. It is mandatory that the instruments offered shall be capable of multiple parameter (only parameters specified by Rand Water) measurements – bids offering only single instruments per parameter shall not be considered further.

#### 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	RETURNABLE SCHEDULE REFERENCE	WEIGHTING	RATING SCALE
A.	<p><b><u>Record of Previous Experience relevant to the current scope/ work (with contactable client ref.)</u></b></p> <p>This is based on contractor history and managing projects of a similar nature and size to this bid. The reference must be written confirmation from clients and may include a completion certificate.</p>	T2.2.10	15	<p><b>4-point scale</b></p> <p><b>None – 0%</b></p> <p><b>Weak – 33.3%</b> Between One (1) Reference and Three (3)</p> <p><b>Moderate – 66.7%</b> Between Four (4) References and Five (5)</p> <p><b>Good – 100%</b> Six (6) References and Above</p>

	<b>CRITERION</b>	<b>RETURNABLE SCHEDULE REFERENCE</b>	<b>WEIGHTING</b>	<b>RATING SCALE</b>
B.	<p><b><u>Overall Performance on Previous Work</u></b></p> <p>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.</p>	N/A	N/A	<p><b>3-point scale</b></p> <p><b>Unacceptable -0%</b></p> <ul style="list-style-type: none"> <li>- Average performance rating less than 70%; and/or</li> <li>- Evidence of previous experience supplied without ratings is also unacceptable under this criterion; and/or</li> <li>- Evidence of performance ratings is less than the number of references provided for criterion A.</li> </ul> <p><b>Moderate – 50%</b></p> <ul style="list-style-type: none"> <li>- Average performance rating of 70% to 85% above; and Evidence of performance ratings is equivalent to the number of references provided for criterion A.</li> </ul> <p><b>Acceptable -100%</b></p> <ul style="list-style-type: none"> <li>- Average performance rating of 85% and above; and</li> <li>- Evidence of performance ratings is equivalent to the number of references provided for criterion A.</li> </ul>
C.	<p><b><u>Quality Management Systems</u></b></p> <p>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).</p>	N/A	2.5	<p><b>3-point scale</b></p> <p><b>Unacceptable – 0%</b> Non-submission</p> <p><b>Moderate – 50%</b> QMS not fully demonstrated</p> <p><b>Acceptable – 100%</b> Relevant submission is provided</p>
D.	<p><b><u>Human Resource Capacity</u></b></p> <p>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</p>	T2.2.11	2.5	<p><b>4-point scale</b></p> <p><b>None – 0%</b> No submission</p> <p><b>Weak – 33.3%</b> Only company organogram provided</p>

	CRITERION	RETURNABLE SCHEDULE REFERENCE	WEIGHTING	RATING SCALE
	purpose is to establish an overall picture of the company's human resource capacity and ability to undertake the work.			<p><b>Moderate</b> – 66.7% Company organogram, project team including CVs</p> <p><b>Good</b> – 100% Submission is detailed in terms of company organogram, project team including CVs, resource allocation for this project against any other projects currently managed by the bidder.</p>
E.	<p><b><u>Equipment Resource Capacity</u></b></p> <p>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.</p> <p>Rand Water will confirm the information submitted when conducting due diligence.</p>	T2.2.12	5	<p><b>3-point scale</b></p> <p><b>None</b> – 0% No submission</p> <p><b>Moderate</b> – 66.7% Submission details equipment resource capacity excluding resource utilisation or certain equipment in relation to the scope of work.</p> <p><b>Good</b> – 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.</p>
F.	<p><b><u>Risk Introduced by Bid Qualifications (e.g. limitations, assumptions, limited liability etc.)</u></b></p>	T2.2.5	5	<p><b>2-point scale</b></p> <p><b>Significant</b> – 0% Bid qualifications submitted by the bidder adversely change the bid scope.</p> <p>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.</p> <p><b>None</b> – 100% No bid qualification/s submitted</p>
G.	<p><b><u>Project Risk Management</u></b></p> <p>As per risk register provided.</p>	T2.2.16	2.5	<p><b>3-point scale</b></p> <p><b>None</b> – 0%</p>

	CRITERION	RETURNABLE SCHEDULE REFERENCE	WEIGHTING	RATING SCALE
				<p>No response provided to Project Risk Management section or responses provided are not relevant to the identified risks.</p> <p><b>Moderate – 66.7%</b> Relevant responses were provided to some of the risks outlined in this bid.</p> <p><b>Good – 100%</b> Relevant responses were provided to the risks outlined in this bid and further risks were identified, classified and a response strategy and actions were provided by the bidder.</p>
H.	<p><b><u>Detailed Project Programme</u></b></p> <p>Aligned with employer's completion dates with the following specifications;</p> <ul style="list-style-type: none"> <li>• on a Gantt chart format</li> <li>• detail at least activity level 2</li> <li>• resource loaded</li> <li>• monthly cost forecast to completion.</li> </ul>	N/A	2.5	<p><b>4-point scale</b></p> <p><b>None – 0%</b> No submission</p> <p><b>Weak – 33.3%</b> Only Gantt chart format</p> <p><b>Moderate – 66.7%</b> Only Gantt chart, resources loaded and activity level 2</p> <p><b>Good – 100%</b> Provided all of above (Gantt chart format, activity level 2, resources loaded and monthly cost forecast to completion)</p>
I.	<p><b><u>Method Statement</u></b></p> <ul style="list-style-type: none"> <li>• Specific method statement in accordance with the scope of work</li> <li>• Aligned with Contractual requirements</li> <li>• Credible/Acceptable</li> </ul>	T2.2.21	40	<p><b>Refer to T2.2.21 for scoring scale</b></p>
J.	<p><b><u>SHERQ</u></b></p> <p>Adjudicated based on Contractors Health &amp; Safety Policy, Plan and documentation submitted</p>	N/A	5	<p><b>2-point scale</b></p> <p><b>Unacceptable – 0%</b> Non-submission</p> <p><b>Acceptable – 100%</b> Relevant submission is provided.</p>
K.	<p><b><u>TRL</u></b></p>	T2.2.18	10	<p><b>3-point scale</b></p> <p><b>None – 0%</b></p>

	CRITERION	RETURNABLE SCHEDULE REFERENCE	WEIGHTING	RATING SCALE
	Adjudicated based on TRL returnable schedule submitted			TRL Level 6 and below.  <b>Moderate</b> – 66.7% TRL Level 7 to 8  <b>Good</b> – 100% TRL Level 9  Note: All components of packaged system to be at, or above, specified TRL level
L.	<b><u>LCC</u></b> Adjudicated based on LCC returnable schedule submitted	T2.2.19	10	<b>2-point scale</b>  <b>Unacceptable</b> – 0% Non-submission or not fully populated or not populated with sufficient detail (including supporting evidence).  <b>Acceptable</b> – 100% Fully populated with sufficient detail and supporting evidence.
<b>TOTAL</b>			<b>100</b>	

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.*
- 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
<b>T2</b>	<b>Returnable schedules</b> (supplied with the bid document)		
T2.2.1	Compulsory Enterprise Questionnaire including SBD 4 and 6.1	•	
	<i>SBD 6.2 and Annexure C where local content designation if applicable</i>	N/A	N/A
T2.2.2	Record of Addenda to Bid Documents	•	
T2.2.3	Proposed Subcontractors	•	
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	N/A	N/A
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	•	
T2.2.18	Technology Readiness Level Score	•	
T2.2.19	Life-cycle Costing / Analysis	•	
T2.2.20	Instrument Returnable Schedule	•	

ITEM	DESCRIPTION OF DOCUMENT TO BE RETURNED	REQUIRED FOR BID EVALUATION	ONLY REQUIRED AFTER BID AWARD
T2.2.21	Method Statement	•	
C1.1	Letter of Bid (Form of Offer and Acceptance)	•	
C1.2	Contract Agreement		•
C2.2	Pricing Schedule / Bill of Quantities (BoQ) <b>The Bidder is required to submit the following:</b> <ul style="list-style-type: none"> <li>- Excel® format of the completed pricing schedule or BoQ in a compact disc (CD) or USB flash drive.</li> <li>- Printed format and signed version of the completed pricing schedule or BoQ.</li> </ul>	•	
C3.1	Dates for Delivery and Completion <b>NOTE: A DETAILED PROJECT PROGRAMME MUST BE INCLUDED WITH THE BID SUBMISSION</b>	•	
<b>R 1</b>	<b>Required documentation not issued with the bid document:</b>		
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	N/A	N/A
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	<i>Signed</i> Subcontracting Agreement	•	
R 1.8	<i>3-year financial statements (audited where applicable)</i>	•	
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 SHEQ Plan (compliance with SHEQ Specification, including written agreement on Safety, Health and Environmental matters and all documents required for SHEQ 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)		•

ITEM	DESCRIPTION OF DOCUMENT TO BE RETURNED	REQUIRED FOR BID EVALUATION	ONLY REQUIRED AFTER BID AWARD
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 b) Level 3 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: <i>as per requirements under functionality.</i>	•	

## 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 6.1 issued by National Treasury must be completed for this bid.**

**Section 8: SBD 6.2 and Annexure C issued by National Treasury must be completed for this bid (if applicable).**

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

- i) authorizes the employer to verify the Bidders tax clearance status from the South African Revenue Services that it is in order;
- ii) 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;
- iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- iv) confirms that I / we are not associated, linked or involved with any other 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
- v) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Name of Bidder: \_\_\_\_\_

Signed by or on behalf of Bidder: \_\_\_\_\_ Official Capacity: \_\_\_\_\_

Date: \_\_\_\_\_

## BIDDER’S DISCLOSURE

### 1. PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

### 2. Bidder’s declaration

2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest<sup>1</sup> in the enterprise, employed by the state? **YES/NO**

2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:

.....  
 .....

<sup>1</sup> the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract?

**YES/NO**

2.3.1 If so, furnish particulars:

.....  
.....

**3 DECLARATION**

I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect.
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium<sup>2</sup> will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 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.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 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.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

<sup>2</sup> 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.

.....  
Signature

.....  
Date

.....  
Position

.....  
Name of bidder

**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);

1.2

- a) The value of this bid is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 preference point system shall be applicable: or
- b) The 80/20 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
<b>PRICE</b>	80
<b>B-BBEE STATUS LEVEL OF CONTRIBUTOR</b>	20
<b>Total points for Price and B-BBEE must not exceed</b>	<b>100</b>

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 80/20 PREFERENCE POINT SYSTEMS

A maximum of 80 points is allocated for price on the following basis:  
 80/20

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

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 (80/20 system)
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
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 20 points)  
 (Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

**7. SUB-CONTRACTING**

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

*(Tick applicable box)*

YES	NO
-----	----

7.1.1 If yes, indicate:

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

*(Tick applicable box)*

YES	NO
-----	----

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

<b>Designated Group: An EME or QSE which is at least 51% owned by:</b>	<b>EME</b>	<b>QSE</b>
	√	√
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		
<b>OR</b>		
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
  - 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 (NOT APPLICABLE)

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](http://www.thedti.gov.za/industrial%20development/ip.jsp) at no cost.**

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

	<u>Description of services, works or goods</u>	<u>Stipulated minimum threshold (%)</u>
1.	<b>N/A</b>	<b>N/A</b>
2.	<b>N/A</b>	<b>N/A</b>

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](http://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. RW/10401618/22**

**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](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.**

**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: \_\_\_\_\_



**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.

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

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

**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.

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

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

<b>( BIDDER TO OBTAIN INFORMATION FROM SOUTH AFRICAN WEATHER SERVICES BASED ON CO-ORDINATES PROVIDED)</b>		
<b>STATISTICAL INFORMATION:</b>		
<b>STATION: LATEST</b>		
<b>Month</b>	<b>RAINFALL</b>	
	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	XX	XX
February	XX	XX
March	XX	XX
April	XX	XX
May	XX	XX
June	XX	XX
July	XX	XX
August	XX	XX
September	XX	XX
October	XX	XX
November	XX	XX
December	XX	XX
Total	XX	XX

The Contractor shall be permitted to take his own rainfall measurements on site subject to the Employer's representative approval, but access to the measuring gauge(s) shall be under the Employer's Representative '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.

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 (NOT APPLICABLE)**

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.	<b>Participation of Local Enterprises</b>	<ul style="list-style-type: none"> <li>• 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:               <ul style="list-style-type: none"> <li>○ <b>Work allocation to local enterprises</b> 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.</li> </ul> </li> </ul>
2.	<b>Job Creation</b>	<ul style="list-style-type: none"> <li>• The Bidder’s workforce in the project must consist of locals (historically disadvantaged) as follows:               <ul style="list-style-type: none"> <li>○ Unskilled Labourers: 100% (50% women, 50% youth)</li> <li>○ Semi-skilled: a minimum of 30% (50% women, 50% youth)</li> <li>○ Skilled: a minimum of 25% (50% women, 50% youth)</li> </ul> </li> <li>• The method of recruitment must be pre-approved by Rand Water.</li> <li>• It is acknowledged that people will be employed on a part-time basis in many instances. It is however required that employees who were employed at the unskilled level exit with a certificate of completion of accredited training.</li> <li>• A recruitment plan must be submitted which will indicate how the employment of local labour will be achieved</li> </ul>

ITEM NO.	KEY PERFORMANCE AREAS	DELIVERABLES
		versus the Bidder's existing (permanent) and seconded labour which will be assigned to the project.
3.	<b>Skills Development</b>	<ul style="list-style-type: none"> <li>• The Bidder must submit a proposed skills development programme targeting the following levels:               <ul style="list-style-type: none"> <li>○ Unskilled to Semi-skilled (50% Youth, 50% Women)</li> <li>○ Undergraduate (50% Youth, 50% Women)</li> <li>○ Graduate (50% Youth, 50% Women)</li> </ul> </li> <li>• 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.</li> <li>• Programmes can only be implemented once approval has been provided by Rand Water.</li> </ul>
4.	<b>Social Responsibility</b>	<ul style="list-style-type: none"> <li>• A programme must be structured to ensure effective delivery to address identified community needs in a significant and sustainable manner.</li> <li>• 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</li> <li>• Programmes can only be implemented once approval has been provided by Rand Water.</li> </ul>
5.	<b>Social Facilitation</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Provision must be made for a Community Liaison Officer (CLO) for the duration of the project. The CLO must be sourced locally.</li> </ul>

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

Name of Bidder: \_\_\_\_\_

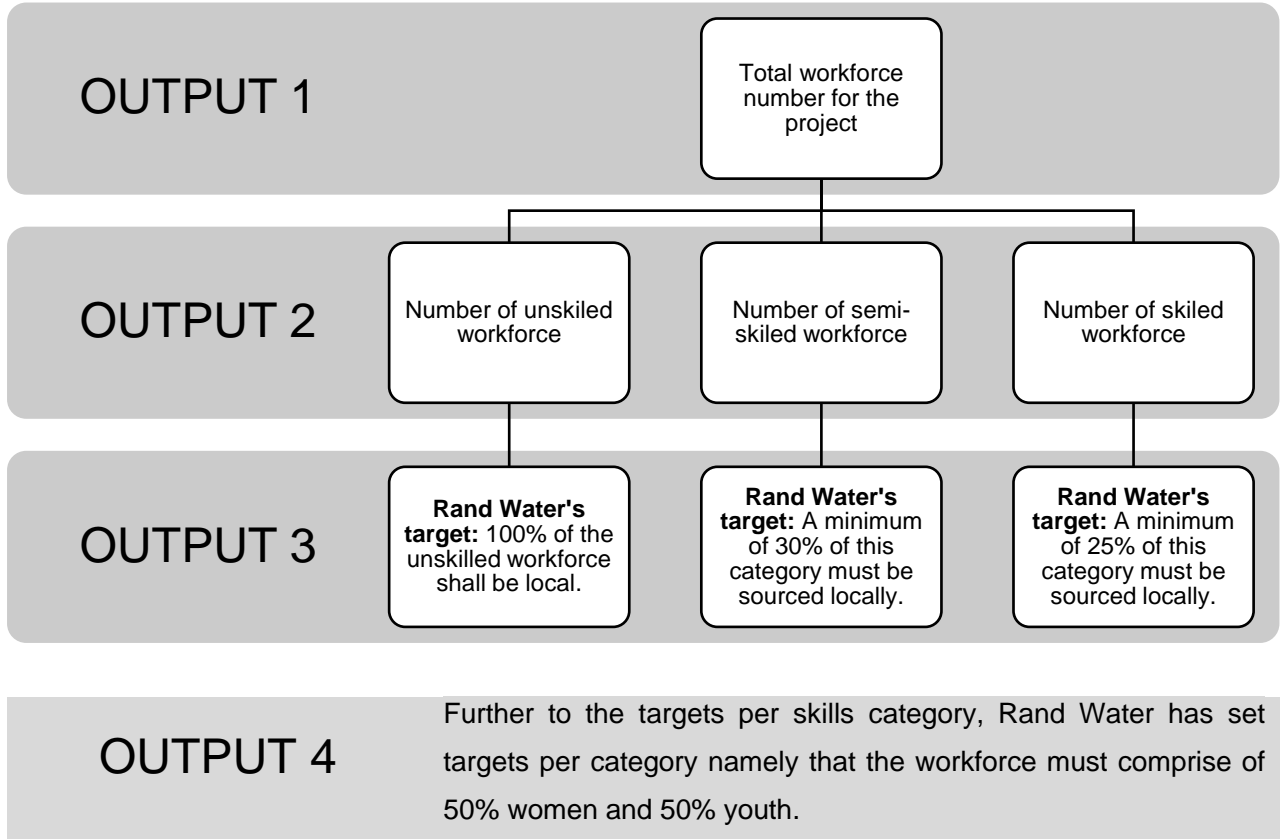
Signed by or on behalf of Bidder: \_\_\_\_\_

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: \_\_\_\_\_

Official Capacity: \_\_\_\_\_

Date: \_\_\_\_\_

**T2.2.9.2 SED MATRIX**

KEY PERFORMANCE AREA	INDICATOR	MEASURE	TARGET	QUANTITY	COST	TIMELINE			COMMENTS
						START	END	DURATION	
<b>Job Creation</b>  <i>Total workforce number for the project:</i>  <i>(insert)</i>  .....	Employment: Unskilled  <i>Insert Rate:</i> .....	Percentage of total projected workforce in the skills category	100%						
	Employment: Semi-skilled  <i>Insert Rate:</i> .....	Percentage of total projected workforce in the skills category	Minimum 30%						
	Employment: Skilled  <i>Insert Rate:</i> .....	Percentage of total projected workforce in the skills category	Minimum 25%						
<b>Skills Development</b>	Accredited Training Programmes: Unskilled <b>(MANDATORY)</b>	Rand Value	Rand value of 18.1 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 18.1 in the BoQ						
		Number of undergraduates trained and provided workplace experience	Number of unskilled indicated in the Bidder's recruitment plan						
	Professionalisation Programmes: Graduates	Rand Value	Rand value of 18.1 in the BoQ						

KEY PERFORMANCE AREA	INDICATOR	MEASURE	TARGET	QUANTITY	COST	TIMELINE			COMMENTS
						START	END	DURATION	
		Number of graduates trained and provided workplace experience	Number of unskilled indicated in the Bidder's recruitment plan						
<b>Social Responsibility</b>	Community development initiatives	Rand value	Rand value of 18.3 in the BoQ						
<b>Social Facilitation</b>	Appointment of CLOs	Rand value	Rand value of 18.4 in the BoQ						
<b>Participation of Local Enterprises</b>	Work allocated to local enterprises that are 51% black owned	Rand value	Rand value in section 5 item 5.3.6.5 and 5.3.6.6						
	Procurement of non-core services and materials from local enterprises that are a minimum 51% black owned	Rand value	100%						
<b>TOTALS</b>					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: \_\_\_\_\_

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.	<b>Job Creation</b>	Attach the Recruitment Plan (refer to T2.2.13.1)		
2.	<b>Skills Development</b>	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 <b>mandatory</b> requirement.		
3.	<b>Social Responsibility</b>	Attach a comprehensive proposal for local community development.		
4.	<b>Participation of Local Enterprises</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• The sourcing of local enterprise shall be a competitive process. The method of sourcing must be pre-approved by Rand Water.</li> <li>• 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.</li> </ul>		
5.	<b>Social Facilitation</b>	The Bidder must provide the costing with reference to 18.4.		

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:

<b>Description of Works</b>
Project Title :
High level project description:
Client :
Contract No. :
Contract Value (excl. VAT) :
Role <sup>(Note 1)</sup> :
Award Date :
Completion Date :
Location of Works :
Project Manager :
Construction Manager :
<b>Contact Details of Reference at Client Company</b>
Name :
Position Held :
Tel : <span style="float: right;">Cell :</span>
Fax : <span style="float: right;">email :</span>
<small>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.</small>

Name of Bidder: \_\_\_\_\_

Signed by or on behalf of Bidder: \_\_\_\_\_ Official Capacity: \_\_\_\_\_

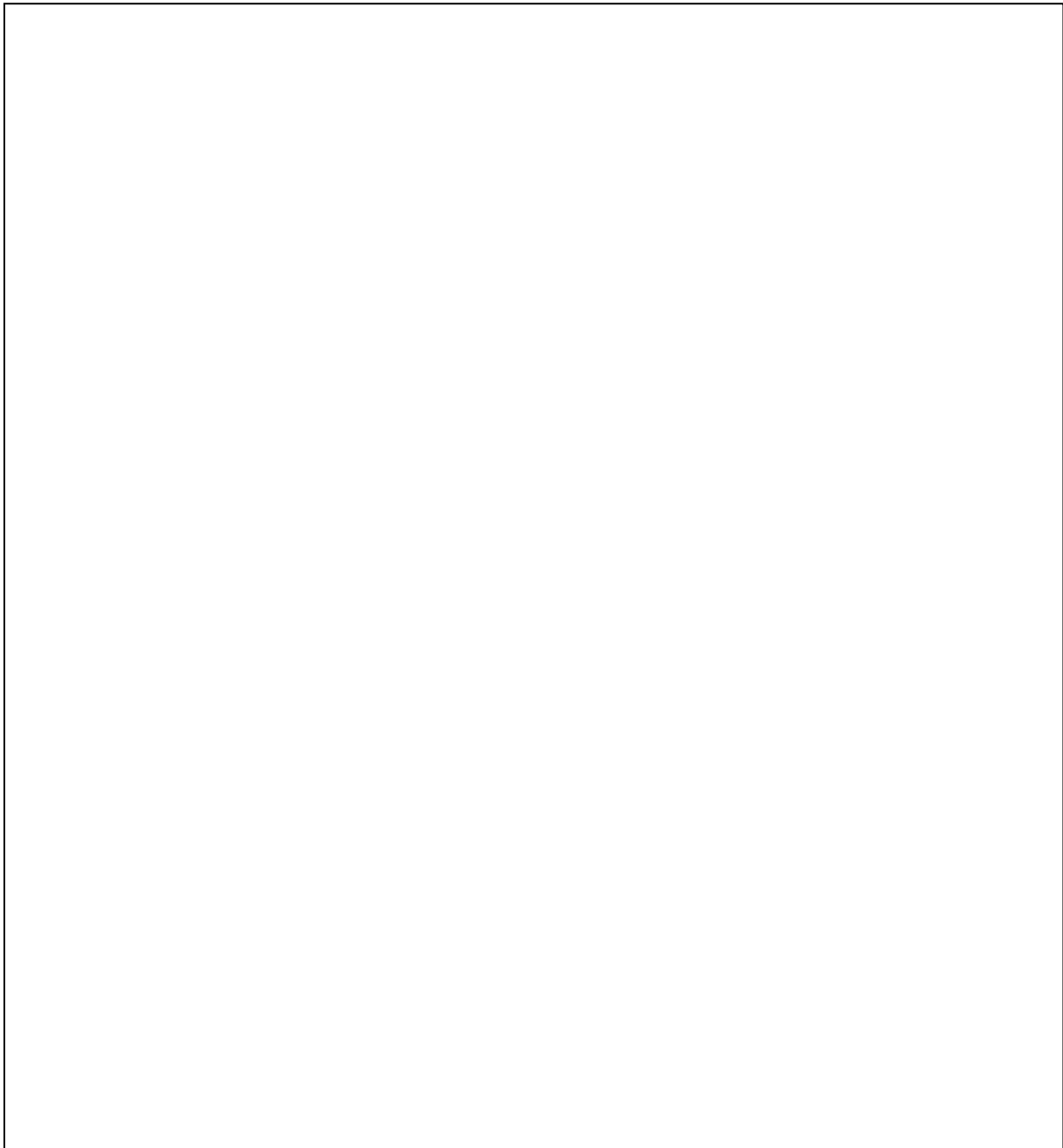
Date: \_\_\_\_\_

## 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.



**T2.2.11.3. List of Current Contracts (Workload)**

Contract or Work Title	Client	Contract Value (excl. VAT)	Role <sup>NOTE 1</sup>	Progress
				Award Date: Completion Date: % Complete: Stage <sup>NOTE2</sup> :
				Award Date: Completion Date: % Complete: Stage <sup>NOTE2</sup> :
				Award Date: Completion Date: % Complete: Stage <sup>NOTE2</sup> :
				Award Date: Completion Date: % Complete: Stage <sup>NOTE2</sup> :
				Award Date: Completion Date: % Complete: Stage <sup>NOTE2</sup> :

**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: \_\_\_\_\_



**T2.2.13. SAFETY, HEALTH, AND ENVIRONMENT**

**1. Safety, Health and Environment Policy**

Bidders shall submit a copy of their company’s internal Safety, Health and Environment 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
<b>Number of Disabling Injuries</b>		
<b>Total Number of Employees</b>		
<b>Average Hours Worked per Employee per Year</b>		
<b>Number of Hours Worked per Year</b>		
<b>Calculated DIFR</b>		

**Table T2.2.17: Safety, Health, and Environment**

Name of Bidder: \_\_\_\_\_

Signed by or on  
 behalf of Bidder: \_\_\_\_\_

Official  
 Capacity: \_\_\_\_\_

Date: \_\_\_\_\_



**T2.2.15. RECOMMENDED SPARES, SPECIAL TOOLS AND SERVICING FACILITIES (TO BE DETAILED AS PART OF THE TECHNICAL PROPOSAL AS PART OF RENTAL SCOPE)**

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									
Please fill in the blank columns labelled Response Strategy and Response Action for each Risk Event listed in the table below:									
RISK IDENTIFICATION						QUALITATIVE RISK ASSESSMENT		RISK RESPONSE PLAN	
#	RISK CATEGORY	RISK EVENT	CAUSE	EFFECT	THREAT OR OPPORTUNITY	PROBABILITY	IMPACT	RESPONSE STRATEGY	RESPONSE ACTIONS
1.	DESIGN	Design not suitable for the intended purpose.			THREAT				
2.	SCOPE	Quality of estimates and accuracy thereof		COST IMPACT	THREAT				
3.	RESOURCES AND TEAM	Service provider does not have requisite technical skills to manage the pilot		SCOPE, COST AND SCHEDULE IMPACTS	THREAT				

<b>PROJECT RISK MANAGEMENT REGISTER FOR CONTRACT</b>									
Please fill in the blank columns labelled Response Strategy and Response Action for each Risk Event listed in the table below:									
<b>RISK IDENTIFICATION</b>						<b>QUALITATIVE RISK ASSESSMENT</b>		<b>RISK RESPONSE PLAN</b>	
#	RISK CATEGORY	RISK EVENT	CAUSE	EFFECT	THREAT OR OPPORTUNITY	PROBABILITY	IMPACT	RESPONSE STRATEGY	RESPONSE ACTIONS
4.	PROCUREMENT	Service provider won't deliver to the terms of their contracts		COST AND SCHEDULE IMPACTS	THREAT				
5.	ORGANISATIONAL CHANGES	Restructuring, mergers and acquisitions impact project delivery		SCHEDULE IMPACT	THREAT				
6.	COMMUNICATION	Invalid stakeholder expectations		SCOPE, COST AND SCHEDULE IMPACTS	THREAT				

<b>PROJECT RISK MANAGEMENT REGISTER FOR CONTRACT</b>									
Please fill in the blank columns labelled Response Strategy and Response Action for each Risk Event listed in the table below:									
RISK IDENTIFICATION						QUALITATIVE RISK ASSESSMENT		RISK RESPONSE PLAN	
#	RISK CATEGORY	RISK EVENT	CAUSE	EFFECT	THREAT OR OPPORTUNITY	PROBABILITY	IMPACT	RESPONSE STRATEGY	RESPONSE ACTIONS
7.	TECHNICAL	Information generated cannot be used for scale-up		SCOPE IMPACT	THREAT				
8.	SHEQ	Various potential SHEQ risks identified		SCOPE, COST AND SCHEDULE IMPACTS	THREAT				
9.	PRICE VARIATION	Fixed price contract was never stipulated for the duration of the project		COST IMPACT	THREAT				



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.

<b>PENALTY TABLES</b>					
<b>DELAYS ON ITEMS ATTRACTING PENALTIES</b>	<b>Value of Contract (Excl VAT.) in millions R</b>				
	<b>&lt;1</b>	<b>≥1&lt;5</b>	<b>≥5&lt;20</b>	<b>≥20&lt;50</b>	<b>≥50</b>
PROGRAMME AND PRELIMINARY DOCUMENTS (Rand's per day delay)	1 000	5 000	10 000	10 000	10 000
DRAWINGS AND DESIGN PACK (Rand's per day delay)	2 500	10 000	15 000	20 000	25 000
SECTIONAL COMPLETION	1% of the value of the outstanding work/ week				
OVERALL COMPLETION	1% of the value of the outstanding work/ week				
COMMISSIONING (Rand's per day delay)	5 000	10 000	15 000	20 000	25 000
<b>REMEDYING OF DEFECTS</b>					
a) Critical to asset functioning/ running (Rand's per day delay)	5 000	25 000	50 000	50 000	50 000
b) Not critical to asset functioning/ running (Rand's per day delay)	500	2 500	5 000	5 000	5 000
<b>SHEQ</b>					
a)SHEQ non-conformances, corrective and preventative actions not resolved within the agreed target dates	500	2 500	5 000	5 000	5 000
Agreed target dates exceeding 5 working days					
b) Non-reporting of SHEQ incidents and statistics within the required timeframe	500	2 500	2 500	5 000	5 000
Within a shift / Within 24 hrs					
c) Repeat SHEQ non conformances	1 000	5 000	10 000	10 000	10 000
d) Overtime Work without the required approvals during Construction phase (Rands)	1 000	5 000	10 000	10 000	10 000

Name of Bidder: \_\_\_\_\_

Signed by or on behalf of Bidder: \_\_\_\_\_ Official Capacity: \_\_\_\_\_

Date: \_\_\_\_\_

**T2.2.18. TECHNOLOGY READINESS LEVEL SCORE**

Technology readiness levels (TRL) are a method for estimating the maturity of technologies during the acquisition phase of a project. The use of TRLs enables consistent and uniform discussions of technical maturity on research and innovation projects. The Rand water Innovation section has adopted this approach in identifying and or assessing the maturity of the solution Rand Water intends to pilot for adoption. This is particularly important for Rand Water as a technology consumer to monitor and manage emerging innovation. The TRL is especially important in conceptualizing how new technologies are actually adopted within Rand Water by embedding it within functionality score.

<b>TRL Level</b>	<b>Description</b>	<b>Explanation</b>	<b>TRL SCORE (YES/NO)</b>
1	Basic principles observed and reported	Scientific research begins translation to applied R&D. Paper studies of published peer reviewed papers.	
2	Technology concept and/or application formulated	Invention begins, practical application is identified but is speculative, no experimental proof or detailed analysis is available to support the conjecture.	
3	Analytical and experimental critical function and/or characteristic proof of concept	Active R&D initiated (physical validation in laboratory)	
4	Technology component validation in laboratory environment	Basic technological components are integrated to establish they will work together.	
5	Components/technology validation in relevant environment	Technology tested in a large bench scale laboratory environment using real world fluids, data or setpoints (more realistic simulation)	
6	Prototype demonstration in a relevant environment	Prototype evaluation in a simulated laboratory operational environment	
7	Prototype demonstration in an operational environment	Whole system prototype evaluation in actual operational environment (on a water, wastewater or network site)	
8	Actual technology completed and qualified through test and demonstration	Final phase of technology development; validation of technical performance and compliance with design specifications (Initial commercial trials)	
9	Actual technology proven through successful operations	Actual commercial application of the technology in its final form and under real world conditions (Commercial trials).	

Name of Bidder:

Signed by or on behalf of Bidder:

Official Capacity:

Date:

**T2.2.19. LIFE CYCLE COSTING**

Life cycle costing is the process of compiling all costs that an asset will incur over its lifespan. For new technologies it is important to know whether the technology to be adopted will have the least cost to Rand water across its full life cycle covering acquisition installation, operations, maintenance, and disposal. Once again Rand Water innovation section has embedded this criterion in its functionality score as it has a big impact on future costs and profitability of Rand Water. The contractor shall populate the life cycle costing template provided for as Annexure F of the technical scope of works.

Name of Bidder: \_\_\_\_\_

Signed by or on  
behalf of Bidder: \_\_\_\_\_

Official  
Capacity: \_\_\_\_\_

Date: \_\_\_\_\_

**T2.2.20. INSTRUMENT RETURNABLE SCHEDULE**

The contractor shall populate the Instrument returnable schedule template provided for as Annexure B of the technical scope of works.

Name of Bidder: \_\_\_\_\_

Signed by or on  
behalf of Bidder: \_\_\_\_\_

Official  
Capacity: \_\_\_\_\_

Date: \_\_\_\_\_

**T2.2.21. METHOD STATEMENT**

The Bidder is required to provide a comprehensive proposal dubbed the method statement. The method statement carries a functionality criteria weighting of 40% and the attainment of this score will be evaluated as per below table using following formula [ $X\% = 40\% \times (\text{score from table} / 100)$ ]:

<b>No</b>	<b>Description</b>	<b>Scoring</b>
1.	<p><b>Completeness of solution/proposal (packaged solution/offering):</b></p> <ul style="list-style-type: none"> <li>• Well indexed method statement or proposal overarching document</li> <li>• Proposal level process diagrams (PFD, P&amp;ID, electrical and automation architecture and schematics)</li> <li>• High-level philosophies (operating, control, maintenance)</li> <li>• Proposal general arrangements and layouts</li> <li>• Proposal Level Installation plans and</li> <li>• Schedules (utility consumption, reagent etc.)</li> <li>• Reference installations similar to works required provided and detailed sufficiently (case studies)</li> <li>• Detailed and realistic explanation of life-cycle costing</li> <li>• Detailed Brochures, guides and manuals</li> <li>• No derailing technical qualifications</li> </ul>	15
2.	<p><b>Packaged solution capable of achieving required online availability (without redundancies):</b></p> <ul style="list-style-type: none"> <li>• Required uptime of 95% availability achievable</li> <li>• System components suitable, compatible and functions harmoniously (reference to previous installation successes)</li> </ul>	5
3.	<p><b>Instrument capabilities:</b></p> <p>Compliance level of instrument to specifications:</p> <ul style="list-style-type: none"> <li>• First Level assessment: All Instrumentation meets the specifications for all outlined parameters (complete datasheets, multi-parameter probes/devices specification provided).</li> <li>• Second level assessment: Sequence the instrument capabilities in comparison with each other.</li> </ul> <p>Measuring frequency</p> <ul style="list-style-type: none"> <li>• 15 minutes or less</li> </ul>	30
4.	<p><b>Hardware / Equipment offerings (excluding instruments) and capabilities:</b></p>	20

	<ul style="list-style-type: none"> <li>• All Equipment offering datasheets (including Powering, CCTV etc.) and specifications</li> <li>• Data logging specifications</li> <li>• All Communication / Telemetry specifications</li> <li>• Cost effectiveness, robustness of system</li> </ul>	
5.	<b>Software Offerings:</b> <ul style="list-style-type: none"> <li>• Analytical software specifications and features including Artificial intelligence (self-learning, predicative analysis and early warning capabilities provisions).</li> <li>• Mobile App specifications</li> <li>• Licenses requirements</li> <li>• Software Reporting capabilities</li> <li>• Compatibility with current business software</li> </ul>	20
6.	<b>Overall solution maintenance requirements:</b> <ul style="list-style-type: none"> <li>• Less frequent intervals (Maintenance required and intervals/schedules thereof)</li> <li>• Least effort/resources</li> <li>• Most Cost effective</li> <li>• Readily available parts</li> <li>• Reagent free instruments</li> <li>• User friendliness - expertise required to be easily transferred in-house to Rand Water</li> <li>• Robustness of solution</li> </ul>	5
7.	<b>Waste / sampling effluent generation:</b> <ul style="list-style-type: none"> <li>• Minimised sample / waste generation</li> <li>• Sample and effluent management plan</li> </ul>	2.5
8.	<b>Other:</b> <ul style="list-style-type: none"> <li>• Additional info provided which clearly demonstrates advantage over competitors</li> </ul>	2.5
<b>TOTAL</b>		<b>100</b>

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: PILOT PROJECT – PROVISION OF ONLINE WATER QUALITY MONITORING SYSTEM(S) WITHIN THE BULK WATER DISTRIBUTION NETWORK

BID NO: RW/10401618/22

TO: The Bid Submission Box  
Rand Water Head Office  
522 Impala Road  
Glenvista  
Johannesburg  
Attention: Ms Aphilile Thuntulwane

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.**

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.

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:.....

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 **PILOT PROJECT – PROVISION OF ONLINE WATER QUALITY MONITORING SYSTEM(S) WITHIN THE BULK WATER DISTRIBUTION NETWORK** should be executed by the Contractor, and has accepted a bid by the Contractor for the execution and completion of these Works and the remedying of any 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
  - 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: \_\_\_\_\_  
 Designation: **CHIEF EXECUTIVE**  
 Date: \_\_\_\_\_

Name: \_\_\_\_\_  
 Designation: \_\_\_\_\_  
 Date: \_\_\_\_\_

In the presence of the undersigned witnesses:

Name: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

Name: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 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 EPC / TURNKEY PROJECTS”

*Second Edition 2017*

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 EPC / Turnkey Projects”, 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.

###### 1.1.6 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.”

##### 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 Employer’s Representative

### 3.2 Delegation by the Employer’s Representative

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*].”

### 3.4 Replacement of the Employer’s Representative

Delete this Sub-Clause and replace with the following:

“If the Employer intends to replace the Employer’s Representative, the Employer shall give notice to the Contractor of the name, address and relevant experience of the intended replacement Employer’s Representative.”

## 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 Employer’s Representative 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 Employer's Representative 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 Employer's Representative, 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.

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 Employer's Representative at the end of each month.

In addition no Statement submitted to the Employer's Representative for payment in terms of Clause 14 will be processed by the Employer's Representative 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 Employer's Representative 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 Employer's Representative 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 Employer's Representative 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

#### 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 Employer's Representative, 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 Employer's Representative. 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 Employer's Representative"

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.

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 Employer's Representative 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 Employer's Representative 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 Bid document 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 Bid document, 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](mailto:bgamede@randwater.co.za)

OR  
 Ms. Lerato Mosweu

Tel: 011 682 0709  
 Fax: 011 682 0765  
 Email: [mмосweu@randwater.co.za](mailto:mмосweu@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**.

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**

- 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 Bid document 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/10401618/22.**

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. The Pricing schedules (C2.2) shall be used to assist both parties in administering and agreeing any changes/variations, which may arise during the Contract.
2. These Pricing schedules 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 Pricing schedules 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 Pricing schedules 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.

### C2.2. ACTIVITY SCHEDULES

The Bidder must refer to **Annexure C2.2: Pricing schedules** provided with this bid document.

**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 April 2023 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.

<b>Phase</b>	<b>Activity / Milestones</b>	<b>Item</b>	<b>Start Date</b>	<b>Completion Date</b>	<b>Working Period</b>
<b>1</b>	<b>1</b>	Design of the containerised instrument skids & systems	<b>01/04/2023</b>		90 days
	<b>2</b>	Construction /assembly of the containerised instrument skids & systems			
	<b>3</b>	Delivery and installation of the containerised instrument skids & systems to Rand Water sites			
	<b>4</b>	Piloting, commissioning of the containerised instrument skids & systems at Rand Water sites (including at Process Technology)			
<b>2</b>	<b>5</b>	Piloting, Experimenting and analysis	<b>01/07/2023</b>		180 days
<b>3</b>	<b>6</b>	Final Report	<b>01/01/2024</b>	<b>01/02/2024</b>	30 days
	<b>7</b>	Final presentation of findings and recommendations to Rand Water			
	<b>8</b>	Decommissioning of the containerised instrument skids & systems			
	<b>9</b>	Uninstallation of containerised instrument skids & systems, and restoration of Rand Water sites			
<b>Close-out</b>				<b>01/02/2024</b>	

Item	Start Date	Completion Date	Working Period
<b>PHASE 1:</b> Design, construct and put into operation of plant/s	01/04/2023		90 DAYS
<b>PHASE 2:</b> Piloting, experimental and analysis phase of the plant/s.	01/07/2023		180 DAYS
<b>PHASE 3:</b> Final Report, presentation of results and decommissioning.	01/01/2024	01/02/2024	30 DAYS

**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 aim of this project is to explore the development of an intelligent water supply network through a pilot study whereby water quality parameters, within the bulk water distribution systems at Rand Water, can be monitored online in real-time on end-user devices.

The pilot will identify and assess innovative multi-parameter, and suitable (cost effective, robust, reliable, no/low maintenance etc.), instrumentation to monitor the crucial water quality parameters of pH, Turbidity, Conductivity, Free Chlorine, Mono-chloramine, Free Ammonia, Nitrite, Nitrate, Temperature (sample and environment), Flowrate of sample water drawn-off/ effluent released, Pressure, Oxygen Reduction Potential, Cyanide, Dissolved Oxygen, Dissolved/total carbon and Sulphate all at tertiary sites within the bulk water distribution network. The pilot would demonstrate real-time monitoring of these field instruments (measured parameters, alarms, reporting and device health – early warnings etc.) on end-user devices such as centralized control rooms, PDAs, mobile devices and laptops. The pilot will also identify appropriate, secure and suitable data transferring and communications platform/s or systems (telemetry), data logging system/s and data analytics systems (self-learning, predicative analysis and early warning capabilities) to interface with and support the field instruments. The 4 distributed tertiary sites which will host the instrumentation for the pilot study are Mamelodi, Townlands, Trichardt and Sasolburg Pumping Stations.

The key benefit of this pilot is a step towards attaining real-time online water quality monitoring ability thereby ensuring consistently SANS241 complaint water being delivered to customers and eliminating the risks associated with poor water quality (substantial health risks and economical as well as reputational damages). Through the pilot study, best fit technology/solutions for monitoring water quality will be identified and tested thereby de-risking the full-scale rollout of online water quality monitoring within the rest of the Rand Water network.

The scope of this project will be on a rental basis. The total duration of the project (including assembly and setup, piloting, reporting and decommissioning activities) will extend for 10 months within which the experimentation/piloting phase would be 6 consecutive months. A maximum of two (2) tender awards will be permitted and each should offer unique instrumentation/solutions.

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

## PART C4: SITE INFORMATION

### C4. SITE INFORMATION

SITE	REGION	CO-ORDINATES
Mamelodi Pumping Station	Northern	25°41'11.18" S, 28°26'15.70" E
Sasolburg Pumping Station	Southern	26°48'42.60" S, 27°50'32.91" E
Trichardt Pumping Station	Eastern	26°27'35.01" S, 29°14'11.24" E
Townlands Pumping Station	Western	25°36'45.10 S, 27°13'20.24" E

The Bidder must refer to **Section 7.17 of Annexure C3.2: Scope of Work/Services** provided with this bid document provided with this bid document.