



## water & sanitation

Department:  
Water and Sanitation  
**REPUBLIC OF SOUTH AFRICA**

### MINUTES OF THE COMPULSORY BRIEFING SESSION

**FOR BID:  
DWS05-0523 WTE**

**DEMOLISH AND REMOVE CONCRETE FOR THE RAISING OF CLANWILLIAM DAM PROJECT IN THE WESTERN CAPE FOR CONSTRUCTION SOUTH - CIDB CONTRACTOR GRADING DESIGNATION OF CIDB 8SE OR HIGHER**

#### DEPARTMENT OF WATER AND SANITATION OFFICIALS PRESENT:

|                     |   |
|---------------------|---|
| Mr Manfred Röhrs    | Construction South                                      |
| Ms Thea Gouws       | Construction South                                      |
| Ms Nomfanelo Khanyi | Supply Chain Management Representative - SCM Compliance |
| Ms Idah Selolo      | Supply Chain Management Representative - SCM Compliance |

**Technical Presentation by** Mr Manfred Röhrs

**SCM Presentation by** Ms Nomfanelo Khanyi, Ms Thea Gouws and Ms Idah Selolo

**Date:** 16 May 2023

**Time:** 10:00am

**Venue:** Contractors Site Office - Clanwilliam Dam, Construction South

#### 1. OPENING AND WELCOME

Mr Manfred Röhrs opened the meeting and introduced himself and SCM team.


#### 2. ATTENDANCE

The attendees were requested to sign the attendance register (Company Name, contact details and name of the company representative). It was reported that the information to be provided on the attendance register needed to be clear as possible as SCM will use the details on the attendance register to provide minutes of the briefing session, clear drawings, addendums and/or other documents before the closing date. Bidders were also informed that after the briefing session Form A: Certificate of Attendance at Compulsory

Site Briefing session which would be signed by a DWS representative and that the signed form should be submitted with the bidder's bid proposal.

### 3. PRESENTATION OUTLINE

- Opening, welcome and introductions
- Scope of works
- Bid requirements (Administrative and Technical)
- Submission of bid responses
- Questions and answers
- Site visit
- Closure

| # | ITEM   |
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| 4 | <b>Description of project</b>  |
|   | <ul style="list-style-type: none"> <li>• The raised dam wall will be approximately 370 m in length and 49 m in maximum height.</li> <li>• The works include addition of concrete on the downstream side, extending the apron, construction of a free-standing intake tower, river outlet control house, a power generating house, short tunnel and coffer dam works on the upstream side, as well as various other pipe outlet structures on the downstream side.</li> <li>• Access to site is next to the N7 through controlled gates.</li> </ul> |
|   | <p style="text-align: center;"><b>AERIAL VIEW OF THE EXISTING DAM AND THE SITE ESTABLISHMENT AREA</b></p>    |

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|  | <div> <div> <div>OVERLAY OF PLANNED WORKS ON EXISTING DAM STRUCTURE</div> <div> <div> <div>Raising Of Clan William Dam</div> <div>Final Dam Layout</div> </div> <div> </div> </div> </div> </div> |
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|   |                                       |
|---|---------------------------------------|
| 5 | <div>Scope of works</div> <div></div> |
|---|---------------------------------------|

|  |   |
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|  | <div> <div> <ul style="list-style-type: none"> <li>In the process of Raising Clanwilliam Dam wall, part of the existing structure will have to be removed safely.</li> <li>This needs to be conducted in a safe way without interfering with other construction works <b>OR</b> damaging the integrity of the dam wall structure and existing works.</li> <li>This will include the transport (removal) of the demolished concrete parts.</li> <li>The material to be removed must be spoiled on stockpiles on the upstream side of the embankment.</li> <li>The free haul of material from any point on the works to a disposal point within the 1.5km radius of the left bank must be included in the rates.</li> <li>All material must be smaller than 900mm so that it can be crushed in a crusher.</li> <li>NO SPILLAGES will be accepted – even if the materials fall in the water, it will be expected of the contractor to remove the materials and dumped/dropped it directly at indicated spoiled areas.</li> </ul> </div> </div> |
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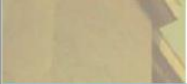

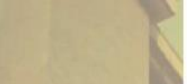



| # | ITEM   |
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|   | <p>The following suggested method and or combination of methods to be used, but not limited to, to safely demolished and remove of concrete sections are:</p> <ul style="list-style-type: none"> <li>• Controlled drilling and blasting techniques</li> <li>• Mechanical breaking</li> <li>• High-pressure water jetting</li> <li>• Concrete sawing; and/or</li> <li>• Diamond wire rope cutting (or similar rope-cutting techniques).</li> </ul> <p><b>Note:</b> If controlled drilling and blasting techniques are used and <b>pre-approved by the Engineer</b>, a trial blast will be required, With the trial blast a specification for the maximum allowable vibration can be compiled. See Particular Specification CWD 09 Blasting, paragraph CWD09.9</p> <ul style="list-style-type: none"> <li>• As the parts of the existing dam wall to be removed are on various parts of the dam wall, it will be a requirement for the contractor to do site establishment and de-establishment on various parts of the site.</li> </ul> |

| # | ITEM  |
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|   | <p><u>Sections where concrete needs to be removed:</u></p> <ul style="list-style-type: none"> <li>• Right Bank Non-overspill crest section - cantilevers.</li> <li>• Block 23</li> <li>• Hydro - Power Plant</li> <li>• Spillway Blocks 10, 12 &amp; 14</li> <li>• Left Bank Non-overspill crest section – cantilevers</li> <li>• Remaining Spillway Blocks</li> <li>• Concrete apron</li> <li>• Training Walls</li> </ul>  |
|   | <p style="text-align: center;"><b>CANTILEVERS</b></p> <p><b>LEGEND:</b></p> <ul style="list-style-type: none"> <li> : EFL - ESTIMATED FOUNDATION</li> <li> : RWR - ROCK MASS RATING</li> <li> : TO BE EXCAVATED</li> <li> : TO BE REMOVED/DEMOLISHED</li> </ul> <p>Labels in drawing include: NEW RL 104,700, RL 104,100, FINISHED FSL 110,250, SPILLWAY TRAINING WALL, ROBERTS SPLITTER FOR DETAIL SEE DWG2152, RL 106,800, DRAINAGE GALLERY, WATER SUPPLY TO RIGHT BANK, 2 x 1,000 mm Ø PIPES, 1:200 SLOPE TO RIGHT BANK, LEFT BANK PLATFORM, TO BE TRIMMED ALONG EXISTING DOWNSTREAM SLOPE TANGENT LINE, RODDPOLE TO BE DRILLED TO CONFIRM EXISTING DAM FOUNDATION LEVEL (REFER TO NOTE 1), SINGLE PRE-EXCAVATION CONSOLIDATION SPOUT LINE TO BE INSTALLED BEFORE EXCAVATION PROCEEDS AS INDICATED AT 3 m c/c 10 m DEEP INTO ROCK, EXISTING APRON, RL 81,180, RL 80,000, RL 75,400, EXISTING APRON TO BE COMPLETELY DEMOLISHED, CONCRETE ROCK INTERFACE OF EXISTING APRON UNKNOWN, IF FOUNDATION IS TO BE FOUND LOWER THAN SPECIFIED EFL, OFFSET FROM REFERENCE LINE TO BE APPROVED BY THE ENGINEER AND APP, EXCAVATION SLOPE AS PER EXISTING DAM DOWNSTREAM SLOPE 11:5.0/1, RL 69,735, EXISTING DAM SPILLWAY, EXISTING PRESTRESSED CABLES, FIXED JOINT AS PER DWG2152, EXISTING ROBERTS SPLITTING AND STEP TO BE REMOVED, SLIDING JOINT AS PER DWG2152, NEW DAM FSC GRADE 20/20, 0.80, 0.50, 0.47, 0.5.</p> |

[illegible]



| # | ITEM   |
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|   | <div data-bbox="256 253 443 336"></div> <div data-bbox="746 264 1023 342"><p><b><u>SPILLWAY</u></b></p></div> <div data-bbox="256 336 1398 1023"></div>              |
|   | <div data-bbox="256 1238 443 1321"></div> <div data-bbox="659 1249 1118 1328"><p><b><u>LEFT BANK NOC</u></b></p></div> <div data-bbox="256 1321 1398 2018"></div> |



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ITEM

## RIGHT BANK NOC



## VIDEO





| # | ITEM  |
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|   | <p><b>SCOPE OF WORKS (CONT.)</b></p> <p><b>TENTATIVE PROGRAM DATES:</b></p> <ul style="list-style-type: none"> <li>• <input type="checkbox"/> Block 23 - September 23</li> <li>• <input type="checkbox"/> Right Bank Overhangs - Sept 24</li> <li>• <input type="checkbox"/> Apron - November 24</li> <li>• <input type="checkbox"/> Blocks 10,12,14 - January 25</li> <li>• <input type="checkbox"/> Spillway - March 25</li> <li>• <input type="checkbox"/> Left Bank Overhangs - August 25</li> </ul> <p><b>NOTE:</b> Please take note of the supplied program dates and specific time periods that are planned for the various sections of concrete to be removed.</p> <p>Prior arrangements will be made if the work required will be one earlier/ others dates.</p> |
|   | <p>Bidders were also informed to take note of working times and that no working at night will be permitted, except with written permission.</p> <p>Bidders were requested to read through the bid document and make themselves acquaint with all the requirements. As the presentation will be highlighting only few below:</p> <ul style="list-style-type: none"> <li>• Construction matters</li> <li>• Health and Safety</li> <li>• Environmental</li> <li>• Local socio-economic development participation</li> </ul>  |
|   | <p><b>FACILITIES TO BE PROVIDED BY THE CONTRACTOR</b></p>   |
|   | <ul style="list-style-type: none"> <li>• Distribution of potable water on site for own workers</li> <li>• Electrical power and distribution</li> <li>• Water supplies for usages to do work</li> <li>• Communication</li> <li>• Resting and eating areas for own workers</li> <li>• Sanitation and cleaning areas</li> <li>• Own security</li> <li>• NO accommodation and explosives (if applicable) allowed on site</li> </ul>   |
|   | <p><b>GENERAL SITE INFORMATION</b></p>  |

| # | ITEM  |
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|   | <ul style="list-style-type: none"> <li>• The existing dam to stay in full operation;</li> <li>• A full new outlet works (twin 1.8m diam pipes) with outlet works will be constructed for the raised dam;</li> <li>• The outlet works will consist of reinforced concrete structures doweled and grouted into the existing rock;</li> <li>• The new embankment structure will consist of IVRCC concrete and will be placed against the existing structure;</li> <li>• The new embankment structure will include excavations on the downstream side of the existing embankment to engineered foundation level;</li> <li>• Ensure that the maximum of 12.7mm/s ppv and frequency of 10Hz is adhered to</li> <li>• Various activities and other contractors will be on site to perform different tasks. This will lead to different equipment used on site on various places with different groups of work-force working.</li> <li>• Therefore, it is important to attend to requirements, communicated and do planning well in advance.</li> </ul> |
| 6 | <b>Bid requirements (Administrative and Technical)</b>  |
|   | <b>EVALUATION CRITERIA</b>  |
|   | <p><u>The bid will be evaluated on a six (6) phased approached outlined as follows:</u></p> <ul style="list-style-type: none"> <li>• Phase 1: Mandatory Requirements</li> <li>• Phase 2: Administrative Compliance</li> <li>• Phase 3: Functionality (as per SANS 10845-3 clause 6.11.9)</li> <li>• Phase 4: Price and preference (as per SANS 10845-3 clause 6.11.7 &amp; 6.11.8)</li> <li>• Phase 5: Evaluation Method 4 (as per SANS 10845-3 clause 6.11.5)</li> </ul>   |
|   | <b>Phase 1: Mandatory Requirements</b>  |
|   | <p>Failure to submit any of the documents listed below will render your bid non-responsive and the bid will be disqualified.</p> <ul style="list-style-type: none"> <li>• CIDB registration in terms of construction industry development board (CIDB) grade. (As per clause 5.1)</li> <li>• Certificate of attendance at the compulsory site briefing session and or on the attendance register.</li> <li>• Professional Engineer: Having a valid Pr. Eng. Civil Engineer or Mining Engineer registration with ECSA.</li> </ul>  |

| #  | ITEM  |     |    |  |    |          |     |    |   |   |  |  |   |   |  |  |   |   |  |  |   |  |  |  |   |   |  |  |   |  |  |  |   |  |  |  |   |   |  |  |   |  |  |  |
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|    | <b>Phase 2: Administrative Compliance</b><br>Please complete listed documents fully and submit as   |     |    |  |    |          |     |    |   |   |  |  |   |   |  |  |   |   |  |  |   |  |  |  |   |   |  |  |   |  |  |  |   |  |  |  |   |   |  |  |   |  |  |  |
|    | <table border="1"> <thead> <tr> <th>No</th> <th>Criteria</th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Companies must be registered with National Treasury's Central Supplier Database must submit CSD report.</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>Tax compliant with SARS.<br/>Attach a copy of valid Tax Compliance Status pin page (to be confirmed through SARS).</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>Active registration with Company Intellectual Property Commission (to be verified through CSD and CIPC).<br/>Attach copy of Bidder's CIPC / CIPRO certificate.</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>A valid copy of B-BBEE Status Level Verification Certificate (failure to submit, the Bidder will forfeit the preferential points to be claimed).</td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>A valid letter of Good Standing with the Compensation Commissioner in terms of the Compensation for Occupational Injuries and Diseases Act No 130 of 1993 and or third parties' insurance registered with Financial Service Board (COID).</td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>Initial and sign Tender data section (T1 &amp; T2) and all other required documents.</td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>Letter of appointment of duly authorized person to sign bid. Proof of such authority must be submitted with the bid.<br/>If by an individual, must be signed by that individual or by someone on his behalf duly authorised thereto and proof of such authority must be produced.<br/>If the bid is by a Company, it must be signed by a person duly authorised thereto by a Resolution of a Board of Directors a copy of which Resolution, duly certified by the Chairman of the Company is to be submitted with the bid.</td> <td></td> <td></td> </tr> <tr> <td>8</td> <td>Complete, sign, submit SBD1, SBD3.2, SBD4, SBD6.1</td> <td></td> <td></td> </tr> <tr> <td>9</td> <td>Certificate of completed project for the similar work for the value of<br/>R 30 million in the recent 10 years.</td> <td></td> <td></td> </tr> </tbody> </table> |     |    |  | No | Criteria | Yes | No | 1 | Companies must be registered with National Treasury's Central Supplier Database must submit CSD report. |  |  | 2 | Tax compliant with SARS.<br>Attach a copy of valid Tax Compliance Status pin page (to be confirmed through SARS). |  |  | 3 | Active registration with Company Intellectual Property Commission (to be verified through CSD and CIPC).<br>Attach copy of Bidder's CIPC / CIPRO certificate. |  |  | 4 | A valid copy of B-BBEE Status Level Verification Certificate (failure to submit, the Bidder will forfeit the preferential points to be claimed). |  |  | 5 | A valid letter of Good Standing with the Compensation Commissioner in terms of the Compensation for Occupational Injuries and Diseases Act No 130 of 1993 and or third parties' insurance registered with Financial Service Board (COID). |  |  | 6 | Initial and sign Tender data section (T1 & T2) and all other required documents. |  |  | 7 | Letter of appointment of duly authorized person to sign bid. Proof of such authority must be submitted with the bid.<br>If by an individual, must be signed by that individual or by someone on his behalf duly authorised thereto and proof of such authority must be produced.<br>If the bid is by a Company, it must be signed by a person duly authorised thereto by a Resolution of a Board of Directors a copy of which Resolution, duly certified by the Chairman of the Company is to be submitted with the bid. |  |  | 8 | Complete, sign, submit SBD1, SBD3.2, SBD4, SBD6.1 |  |  | 9 | Certificate of completed project for the similar work for the value of<br>R 30 million in the recent 10 years. |  |  |
| No | Criteria  | Yes | No |  |    |          |     |    |   |   |  |  |   |   |  |  |   |   |  |  |   |  |  |  |   |   |  |  |   |  |  |  |   |  |  |  |   |   |  |  |   |  |  |  |
| 1  | Companies must be registered with National Treasury's Central Supplier Database must submit CSD report.   |     |    |  |    |          |     |    |   |   |  |  |   |   |  |  |   |   |  |  |   |  |  |  |   |   |  |  |   |  |  |  |   |  |  |  |   |   |  |  |   |  |  |  |
| 2  | Tax compliant with SARS.<br>Attach a copy of valid Tax Compliance Status pin page (to be confirmed through SARS).   |     |    |  |    |          |     |    |   |   |  |  |   |   |  |  |   |   |  |  |   |  |  |  |   |   |  |  |   |  |  |  |   |  |  |  |   |   |  |  |   |  |  |  |
| 3  | Active registration with Company Intellectual Property Commission (to be verified through CSD and CIPC).<br>Attach copy of Bidder's CIPC / CIPRO certificate.   |     |    |  |    |          |     |    |   |   |  |  |   |   |  |  |   |   |  |  |   |  |  |  |   |   |  |  |   |  |  |  |   |  |  |  |   |   |  |  |   |  |  |  |
| 4  | A valid copy of B-BBEE Status Level Verification Certificate (failure to submit, the Bidder will forfeit the preferential points to be claimed).  |     |    |  |    |          |     |    |   |   |  |  |   |   |  |  |   |   |  |  |   |  |  |  |   |   |  |  |   |  |  |  |   |  |  |  |   |   |  |  |   |  |  |  |
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| 6  | Initial and sign Tender data section (T1 & T2) and all other required documents.  |     |    |  |    |          |     |    |   |   |  |  |   |   |  |  |   |   |  |  |   |  |  |  |   |   |  |  |   |  |  |  |   |  |  |  |   |   |  |  |   |  |  |  |
| 7  | Letter of appointment of duly authorized person to sign bid. Proof of such authority must be submitted with the bid.<br>If by an individual, must be signed by that individual or by someone on his behalf duly authorised thereto and proof of such authority must be produced.<br>If the bid is by a Company, it must be signed by a person duly authorised thereto by a Resolution of a Board of Directors a copy of which Resolution, duly certified by the Chairman of the Company is to be submitted with the bid.  |     |    |  |    |          |     |    |   |   |  |  |   |   |  |  |   |   |  |  |   |  |  |  |   |   |  |  |   |  |  |  |   |  |  |  |   |   |  |  |   |  |  |  |
| 8  | Complete, sign, submit SBD1, SBD3.2, SBD4, SBD6.1   |     |    |  |    |          |     |    |   |   |  |  |   |   |  |  |   |   |  |  |   |  |  |  |   |   |  |  |   |  |  |  |   |  |  |  |   |   |  |  |   |  |  |  |
| 9  | Certificate of completed project for the similar work for the value of<br>R 30 million in the recent 10 years.  |     |    |  |    |          |     |    |   |   |  |  |   |   |  |  |   |   |  |  |   |  |  |  |   |   |  |  |   |  |  |  |   |  |  |  |   |   |  |  |   |  |  |  |
|    | <b>Phase 3: Functionality Compliance</b>  |     |    |  |    |          |     |    |   |   |  |  |   |   |  |  |   |   |  |  |   |  |  |  |   |   |  |  |   |  |  |  |   |  |  |  |   |   |  |  |   |  |  |  |



| # | ITEM  |  |                                 |
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|   | <p>Functionality is the terminology used to define the technical ability of the Tenderer, based on experience, to deliver the required product in accordance with the specialised quality, reliability and functionality. The Bidder must score a minimum of 70 points out of 100 to allow them to proceed to the next phase of evaluation. Where the minimum point required is not met per sub criteria in phase 3 – functionality, the bid will be disqualified.</p>                  |  |                                 |
|   | <b>Functionality criteria</b>   | <b>Sub-criteria</b>  | <b>Maximum number of points</b> |
|   | 1. Company Experience   | Schedule of similar current and past work undertaken<br>Completion certificates of previous projects completed<br>Contractable client reference letters<br>Proof of the value of work undertaken | 20                              |
|   | 2. Managerial Capacity  | Contracts Manager<br>Construction Manager (Site Agent)<br>Foreman<br>Health and Safety officer<br>Environmental Representative   | 30                              |
|   | 3. Preliminary Method statement:<br>Demolishing and removal of concrete   | Project Program<br>Equipment to be used<br>Methodology<br>Quality management plan<br>Environmental, Health & Safety Plan   | 50                              |
|   | <b>Maximum possible score for quality (M<sub>s</sub>)</b>   |  | <b>100</b>                      |
|   | <p>Quality shall be scored by not less than three evaluators in accordance with the following schedules:</p> <ul style="list-style-type: none"> <li>Annexure G &amp; H: Company Experience</li> <li>Annexure I &amp; J: Managerial Capacity</li> <li>Annexure L: Schedule of plant and equipment</li> <li>Annexure M: Preliminary methods statement</li> </ul> <p>The minimum number of evaluation points for functionality (quality) is 70</p> <p><u>SCORING OF FUNCTIONALITY:</u></p> |  |                                 |

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|       | <p>The evaluators are to score the functionality criteria's and sub-criteria's as per the below table (unless otherwise stated). The score allocated needs to be applied as a percentage of total maximum allowed points for the evaluated specific criteria.</p> <p>Each evaluation criteria will be assessed in terms of five indicators – no response, poor, satisfactory, good and very good. Scores of 0, 40, 70, 90 or 100 will be allocated to no response, poor, satisfactory, good and very good, respectively.</p> |   |  |  |
| Score | Rating   | Qualitative indicator or prompt for judgement   |  |  |
|       |  | Example 1<br>(Proposed Organization and staffing)   | Example 2<br>(Approach paper)  | Example 3<br>(Knowledge of issues pertinent to the project)              |
| 0     | No response  | Failed to provide information.  | Failed to provide information.   | Failed to provide information.   |
| 40    | Poor   | The organization chart is sketchy, the staffing plan is weak in important areas. There is no clarity in allocation of tasks and responsibilities. | The technical approach and/or methodology is poor/is unlikely to satisfy project objectives or requirements. The tenderer has misunderstood certain aspects of the scope of work and does not deal with the critical aspects of the project.                               | Key staff have limited experience of issues pertinent to the project     |
| 70    | Satisfactory   | The organizational chart is complete and detailed, the technical level and composition of the staffing arrangements are adequate.                 | The approach is generic and not tailored to address the specific project objectives and methodology. The approach does not adequately deal with the critical characteristics of the project. The quality plan, manner in which risk is to be managed, etc. is too generic. | Key staff have reasonable experience of issues pertinent to the project. |

| #   | ITEM   |  |  |   |   |          |                          |                 |                             |              |  |  |  |           |                               |   |                        |           |                       |    |                        |
|---|--|--|--|---|---|----------|--------------------------|-----------------|-----------------------------|--------------|--|--|--|-----------|-------------------------------|---|------------------------|-----------|-----------------------|----|------------------------|
|   | 90   | Good   | Besides attaining the “satisfactory” rating, staff are well-balanced, i.e. they show good co-ordination, complimentary skills, clear and defined duties and responsibilities. Some members of the project team have worked together before on limited occasions. | The approach is specifically tailored to address the specific project objectives and methodology and is sufficiently flexible to accommodate changes that might occur during execution. The quality plan and approach to managing risk, etc. is specifically tailored to the critical characteristics of the project. | Key staff have extensive experience of issues pertinent to the project.   |          |                          |                 |                             |              |  |  |  |           |                               |   |                        |           |                       |    |                        |
|   | 100  | Very good                                    | Besides attaining the “good” rating, the proposed team is well-integrated and several members have worked together extensively in the past.  | Besides attaining the “good” rating, the important issues are approached in an innovative and efficient way, indicating that the tenderer has outstanding knowledge of state-of-the-art approaches. The approach paper details ways to improve the project outcomes and the quality of the outputs.                   | Key staff have outstanding experience of issues pertinent to the project. |          |                          |                 |                             |              |  |  |  |           |                               |   |                        |           |                       |    |                        |
| <p>The scores of each of the evaluators will be averaged, weighted and then totalled to obtain the final score for quality.</p> <p><b>EXAMPLE OF EVALUATION:</b></p> <table><tr><th>Criteria</th><th>SCORE (out of 0% - 100%)</th><th>WEIGHT (POINTS)</th><th>TOTAL (A% score x 5 points)</th></tr><tr><td>Sub-Criteria</td><td>Score according to SANS ISO 10845-3:2022 ed2 Table A.4</td><td>Max allowed points for a (per) sub-criteria.</td><td></td></tr><tr><td>Example 1</td><td>70 score (=70%): Satisfactory</td><td>5</td><td>= 5 * 70% = <b>3.5</b></td></tr><tr><td>Example 2</td><td>90 score (=90%): Good</td><td>20</td><td>= 20 * 90% = <b>18</b></td></tr></table> |  |  |  |   |   | Criteria | SCORE (out of 0% - 100%) | WEIGHT (POINTS) | TOTAL (A% score x 5 points) | Sub-Criteria | Score according to SANS ISO 10845-3:2022 ed2 Table A.4 | Max allowed points for a (per) sub-criteria. |  | Example 1 | 70 score (=70%): Satisfactory | 5 | = 5 * 70% = <b>3.5</b> | Example 2 | 90 score (=90%): Good | 20 | = 20 * 90% = <b>18</b> |
| Criteria  | SCORE (out of 0% - 100%)                               | WEIGHT (POINTS)                              | TOTAL (A% score x 5 points)  |   |   |          |                          |                 |                             |              |  |  |  |           |                               |   |                        |           |                       |    |                        |
| Sub-Criteria  | Score according to SANS ISO 10845-3:2022 ed2 Table A.4 | Max allowed points for a (per) sub-criteria. |  |   |   |          |                          |                 |                             |              |  |  |  |           |                               |   |                        |           |                       |    |                        |
| Example 1   | 70 score (=70%): Satisfactory                          | 5  | = 5 * 70% = <b>3.5</b>   |   |   |          |                          |                 |                             |              |  |  |  |           |                               |   |                        |           |                       |    |                        |
| Example 2   | 90 score (=90%): Good                                  | 20   | = 20 * 90% = <b>18</b>   |   |   |          |                          |                 |                             |              |  |  |  |           |                               |   |                        |           |                       |    |                        |



|  |
|--|
| <p><b>COMPANY EXPERIENCE [MAX 20]</b><br/><b>(ANNEXURE G)</b></p>  |
| <p>The tenderer to provide at least a minimum of 3 projects:</p> <ul style="list-style-type: none"> <li>• Signed completion certificates (Final IPC) together with client reference letters for similar works projects complete; &amp;</li> <li>• These final signed completion certificates (Final IPC), must be conducted in the recent 10 years for the value of R 30 million or more.</li> </ul> <p>Tenderer can provide more than 3 signed completion certificates for relevant work completed, together with at least 3 client reference letters for 3 of these completion certificates submitted. The three client letters will be used to do reference checks on the contractor.</p> <p>With proof of value together with completion certificates of previous projects completed, where the value of the projects is stated in other currencies, state the exchange rate at the time of project execution.</p> |
| <p><b>Client reference:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Description of the project/ title of project,</li> <li><input type="checkbox"/> Scope of work completed,</li> <li><input type="checkbox"/> Period of the contract / time frame,</li> <li><input type="checkbox"/> Contract amount/value of work done,</li> <li><input type="checkbox"/> Client Name,</li> <li><input type="checkbox"/> Client contact details (Telephone number, Cell phone number and E-mail Address), &amp;</li> <li><input type="checkbox"/> Reference letter to be sign by client/employer.</li> </ul>   |
| <p><b>Only the following will be considered as similar work conducted:</b></p> <p>Completed projects that dealt with demolishing and removal of concrete, for relevant work done, will be accepted for evaluation. The following suggested method and or combination of methods that could have been used are as followed:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Controlled drilling and blasting techniques,</li> <li><input type="checkbox"/> Mechanical breaking,</li> <li><input type="checkbox"/> High-pressure water jetting,</li> <li><input type="checkbox"/> Concrete sawing; and/or</li> <li><input type="checkbox"/> Rope-cutting techniques.</li> </ul>  |

|  |  |
|--|--|
|  | <b>MANAGERIAL CAPACITY [MAX 30]</b><br><b>(ANNEXURE I)</b>   |
|  | <p><b>Professional Contract Manager:</b> Must have a valid SACPCMP registration with at least 7 years post registration experience in field building demolition (controlled demolition) → proof of registration, qualifications and certificates together with full CV to be submitted.</p> <p><b>Professional Engineer:</b> Must have a valid Pr.Eng.in Civil Engineering or Mining Engineering registration with ECSA. With at least 7 years post registration experience in the field of building demolition (controlled demolition) → proof of registration, qualification and certificates together with full CV to be submitted.</p> <p><b>Construction Manager (Site Agent):</b> Must have 7 years' experience in field of building demolition → proof of any qualifications, registrations and certificates with full CV to be submitted.</p> <p><b>Foreman:</b> Must have 7 years' experience or more in field of rope cutting and blasting, and or in the methods to be used for concrete demolishing in the method statement, → proof of any qualifications, registrations and certificates with full CV to be submitted.</p> <p><b>Health and Safety officer:</b> Must have a valid registration with SACPCMP in health and safety with at least 5 years' experience after obtaining registration. → proof of any qualifications, registrations and certificates with full CV to be submitted.</p> <p><b>Environmental Representative:</b> Must have 5 years' relevant work experience → proof of any qualifications, registrations and certificates with full CV to be submitted.</p> |
|  | <b>PRELIMINARY METHOD STATEMENT:</b>   |

|            |   |   |                        |
|------------|---|---|------------------------|
|            | <b>METHOD STATEMENT FOR CONCRETE DEMOLISHING AND REMOVAL</b>  |   | <b>TOTAL POINTS 50</b> |
|            | <b>SUB-CRITERIA (AS EXPLAINED BELOW)</b>  |   | <b>MAXIMUM POINTS</b>  |
|            | 1   | Project program   | 5                      |
|            | 2   | Equipment to be used for these activities (As indicated in “schedule of plant and equipment list” – Annexure L) | 5                      |
|            | 3   | Methodology – that will be used to do the work  | 25                     |
|            | 4   | Quality management plan   | 5                      |
|            | 5   | Environmental, Health & Safety  | 10                     |
|            | <p><b>Requirements under is explained per sub-criteria in the Annexure M</b></p>  |   |                        |
| <b>6.4</b> | <p><b>Phase 4: Price and Preference:</b></p> <p>Preferential Procurement Regulations, 2022, will be used to evaluate this proposal as per the applicable threshold value. Bid proposals will be evaluated based on the 90/10 preference points system in accordance with the PPPFA Act (Act no. 5 of 2000). Where a maximum of 90 points will be awarded in respect of price and a maximum of 10 points will be awarded for specific goals.</p>   |   |                        |
|            | <p><b>Evaluation Method</b></p> <p><b>Method 4:</b> Financial offer, quality and preference</p> <p>This method shall apply for the evaluation of this tender</p> <p>The total number of tender evaluation points (TEV) shall be determined in accordance with the following formula:</p> $T_{EV} = f_1 (N_{FO} + N_P) + f_2 N_Q$ <p>Where:</p> <p><math>f_1</math> &amp; <math>f_2</math> are fractions,</p> <p><math>f_1</math> equals 1 minus <math>f_2</math> ; and</p> <p><math>f_2</math> equals 0,5</p> <p><math>N_{FO} \rightarrow</math> is the number of tender evaluation points awarded for the <u>financial offer</u> made in accordance with SANS ISO 10845-3: 2022 Ed2 clause 6.11.7, (where <math>N_{FO}</math> is maximum 90 points);</p> |   |                        |



$N_P \rightarrow$  is the number of tender evaluation points awarded for preference points claimed for specific goals in accordance with SANS ISO 10845-3: 2022 Ed 2 clause 6.11.8, (where  $N_P$  is maximum 10 points);

$N_Q \rightarrow$  is the number of tender evaluation points awarded for functionality (quality) in accordance with SANS ISO 10845-3:2022 Ed 2 clause 6.11.9, (where  $N_Q$  is maximum 100 points).

**Example:**

For example, if a Tenderer scores the following:

75 points for pricing ( $N_{FO}$ ) out of 90;

6 points for preferencing ( $N_P$ ) out of 10; and

70 points for functionality (quality) ( $N_Q$ ) out of 100

And the fractions are  $f_2$  equals  $f_2$  equals 0,5

| Where the weights are:                             | Example values scored   |
|--|-------------------------|
| Total points for financial offer ( $N_{FO}$ ) è 90 | 75                      |
| $N_P$ è 10   | 6                       |
| $N_Q$ è 100  | 70                      |
| Calculation:                                       | Example of calculation  |
| Where: $f_1(N_{FO} + N_P)$                         | $0.5 * (75 + 6) = 40.5$ |
| And where: $f_2 N_Q$                               | $0.5 * 70 = 35$         |
| Total Tender evaluation points ( $T_{EV}$ ) è 100  | 75.5                    |

**Preference Score:**

Preferential Procurement Regulations, 2022, will be used to evaluate this proposal as per the applicable threshold value.

Bid proposals will be evaluated based on the 90/10 preference points system in accordance with the PPPFA Act (Act no. 5 of 2000). Where a maximum of 90 points will be awarded in respect of price and a maximum of 10 points will be awarded for specific goals.

**N<sub>p</sub>** shall be calculated to a maximum of 10 points, as claimed in Table 1 below in accordance with Preferential Procurement Regulations, 2022 and described below.

Points claimed will be according to a Tenderer's specific goals as indicated in Table 1 below:

In terms of Regulation 4(2) and 5(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the tenderer's goals claimed as per Table 1 below. The tenderer goal claimed must be supported by proof / documentation as per Table 2 and the special conditions of this tender where applicable.

**Table 1: Specific goals for the tender and points claimed**

| The specific goals allocated points in terms of this tender             | Number of points allocated (90/10 system) |
|---|---|
| Women Ownership   | 2   |
| Disability Ownership  | 2   |
| Youth Ownership   | 2   |
| Location of enterprise (local equals province) – Western Cape           | 1   |
| B-BBEE status level contribution from level 1 to 2 which are QSE or EME | 3   |
| <b>TOTAL SCORED POINTS</b>  | <b>10</b>                                 |

**"Specific goals"** means specific goals as contemplated in section 2(1)(d) of the PPPFA Act which may include contracting with persons, or categories of persons, historically disadvantaged by unfair discrimination on the basis of race, gender and disability including the implementation of programmes of the Reconstruction of Development Programme as published in *Government Gazette* No. 16085 date 23 November 1994.

**"Ownership"** means the percentage ownership and control, exercised by individuals within an enterprise.

**"Disability"** means, in respect of a person, a permanent impairment of a physical, intellectual, or sensory function, which results in restricted, or lack of, ability to perform an activity in the manner, or within the range, considered normal for a human being.

- i. A blind person (in terms of the Blind Persons Act, 1968 (Act no.26 of 1968);
- ii. A deaf person, whose hearing is impaired to such an extent that he/she cannot use it as a primary means of communication;
- iii. A person who, as a result of permanent disability, requires a wheelchair, caliper or crutch to assist him/her to move from one place or another;
- iv. A person who requires an artificial limb; or
- v. A person who suffers from a mental illness (in terms of the Mental Health Act, 1973 (Act no. 18 of 1973).

**"Youth"** means, in respect of a person younger than 35 years of age.

**"Location of enterprise"** Local equals province. Where a project cuts across more than one province, the bidder may be located in any of the relevant provinces to obtain the points.

**Women, disability, and youth** will be measured by calculating the pro-rata percentage of ownership of the bidding company which meets the criterion. E.g., Company A has five shareholders each of whom own 20% of the company. Three of the five shareholders meet the criterion, i.e. they are women/disability/youth. Therefore, this bidder will obtain 60% of the points allowable for this goal.

Documents/ information listed on the below Table 2 must be submitted to support and verify points claimed as per Table 1 above.

**Table 2: Documents required for verification of Tenderer claimed points**

| Specific Goal   | Requires Proof Documents   |
|---|--|
| Women Ownership   | Full CSD Report  |
| Disability Ownership  | Full CSD Report  |
| Youth Ownership   | Full CSD Report  |
| Location of enterprise – Western Cape                                   | Full CSD Report  |
| B-BBEE status level contribution from level 1 to 2 which are QSE or EME | <ul style="list-style-type: none"> <li>Valid B-BBEE certificate/sworn affidavit</li> <li>Consolidated B-BBEE certificate in case of Joint Ventures</li> <li>Full CSD Report</li> </ul> |

Failure on the part of a bidder to submit proof of documentation required in terms of this tender to claim for specific goals with the bid, will be interpreted to mean that preference points for specific goals are not claimed and will not be allocated.

## 7 Returnable Documents

NOTE: Failure to provide all these listed documents may result in the tender not being evaluated

| Doc. Ref. Nr. | Document/ Schedule  |            |   |
|---------------|---|------------|---|
| SBD 1         | SBD 1: Invitation to Bid  |            |   |
| SBD 3.2       | SBD 3.2: Bill of Quantities – Non-Firm Price  | ANNEXURE C | An original or certified copies valid Tax Clearance Certificate or SARS Pin issued by the South African Revenue Services. |
| SBD 4         | SBD 4: Declaration of Interest  |            |   |
| SBD 6.1       | SBD 6.1: Preference Points Claim Form: General Conditions and Definitions   | ANNEXURE D | Central Supplier Database (CSD) proof of registration containing MAAA number.   |
| FORM A        | Certificate of Attendance at Compulsory Site Briefing session   | ANNEXURE E | Originally certified copies of Bidder's CIPC company registration documents listing all members with percentages          |
| FORM B        | Record of Addenda to Tender Documents   |            |   |
| FORM C        | Compulsory Declaration  | ANNEXURE F | Letter of good standing from COIDA (Compensation for Occupational Injuries & Diseases Act)                                |
| FORM D        | Certificate Authority of Signatory  |            |   |
| FORM F        | Annual Financial Statements Declaration   | ANNEXURE G | Company experience  |
| FORM G        | Pro Forma Form of Offer and Acceptance (Part C1.1)  | ANNEXURE H | Schedule of similar work undertaken   |
| FORM H        | Contract Data (Part C1.2)   |            |   |
| FORM I        | Pro Forma Performance Guarantee (Part C1.3)   | ANNEXURE I | Managerial Capacity   |
| FORM J        | Contractor's health and safety declaration  |            |   |
| FORM K        | Health and Safety Act agreement   | ANNEXURE J | Schedule of Qualifications / Experience of key project team members.  |
| FORM L        | Verification Documentation  |            |   |
| ANNEXURE A    | Preferencing Schedule for Broad Based Black Economic Empowerment Status, together with original or certified copy of B-BBEE certificate | ANNEXURE K | Schedule of Proposed sub-contractor together with a pro-forma sub-contracting agreement signed by both parties            |
| ANNEXURE B    | A certified copy of Certificate of Contractor Registration issued by the Construction Industry Development Board (CIDB)                 | ANNEXURE L | Schedule of Plant and Equipment   |
|               |   | ANNEXURE M | Preliminary Method Statements: Demolishing and removal of concrete  |

## 8 Submission of bid proposals

- Closing date and time for submissions: **2 JUNE 2023 at 11:00 am** (to be corrected as per addendum 1 that will be issued to all the bidders that attended the Compulsory Briefing Session). **Late submissions will not be considered.**
- On the envelope and cover page of the bid proposal the Name of respondent shall be clearly shown
- Bid envelope need to be clearly marked as follows:
- Tender reference number: **BID NO.: DWS05-0523 WTE**
- **Title of the EOI: DEMOLISH AND REMOVE CONCRETE FOR THE RAISING OF CLANWILLIAM DAM PROJECT IN THE WESTERN CAPE FOR CONSTRUCTION SOUTH - CIDB CONTRACTOR GRADING DESIGNATION OF CIDB 8SE OR HIGHER**
- The tenderer is requested to also provide a **PDF (soft) copy** of the complete tender submission in electronic format **on a flash disk** and to include this in their tender submission.
- The **"ORIGINAL"** and **"COPY"** are to be submitted as separate packages. The PDF soft copy on USB Flash drive to be submitted together with the **"ORIGINAL"** packages.

|             |   |
|-------------|---|
| <b>9.</b>   | <b>There are 3 methods which can be used to submit bid proposals</b>  |
|             | <p><b>a. <u>Postal submission, the bid response must be delivered at:</u></b></p> <p>Department of Water and Sanitation (Supply Chain Management WTE), Private Bag X313, Pretoria, 0001</p> <p>Disclaimer for utilization of postal delivery: It is the responsibility of the bidder to ensure that the bid response is submitted within a reasonable time and that Bid Office officials are informed at least 3 days prior to the closing date about delivery method chosen in order to make necessary arrangement for collection with bid response at registry. Without arrangements there will be no collection and any late bid will not be considered. Emailed documents will not be considered.</p>   |
|             | <p><b>b. <u>Courier services, the bid response must be sent to:</u></b></p> <p>Department of Water and Sanitation, Zwamadaka Building, 157 Francis Baard Street, Pretoria 0002</p> <p><i><u>Disclaimer for utilization of courier services: It is the responsibility of the bidder to ensure that the bid response is submitted within a reasonable time and that the signing of the bid response during delivery is done with the relevant Bid Office officials only. No other officials should be handed the bid response if they are not from Acquisition Management. It will remain the bidder's responsibility to ensure that the bid document is submitted to the relevant officials on or before the closing time of the bid. It is advised that the document response be submitted a day before the closing date to avoid disappointments. Bid office officials will not be held liable for any delays.</u></i></p> |
|             | <p><b>c. <u>Hand delivery submit tender documents at:</u></b></p> <p>Location of tender box:</p> <p>The bid box at the entrance<br/>Zwamadaka Building,<br/>157 Francis Baard Street,<br/>Pretoria<br/>0002</p>   |
|             | <ul style="list-style-type: none"> <li>• Telephonic, telegraphic, telex, facsimile or e-mailed tender offers shall NOT be accepted.</li> <li>• The tender offer validity period is 120 days.</li> <li>• Provide, on request by the employer, any other material that has bearing on the tender offer within 5 working days of request.</li> <li>• The employer reserve the right to arrange access for the following inspections, tests, and analysis at Bidder's facilities.</li> </ul>  |
| <b>10.</b>  | <b>Meeting Closure:</b>   |
| <b>10.1</b> | Meeting adjourned at 11:10am.   |



**Questions and answers submitted for this bid during the Compulsory Briefing Session and outside the meeting via bid enquiries**

| No. | QUESTIONS DURING THE MEETING  | ANSWERS  |
|-----|---|--|
| 1.  | We would like to find out if a company with a lower CIDB grading can still be able to tender for this project, as there are not many contractors with 8SE grading   | <p>The bid has been advertised with a bid requirement of 8SE OR HIGHER and only bidders who meet this requirement are eligible to bid.</p> <p>Bidders should comply with all the requirements of the tender and allow the Bid Evaluation Committee to make those decision.</p> |
| 2.  | <p><b><u>Ownership of salvaged materials</u></b></p> <p>Kindly confirm who retains ownership of any ferrous/non-ferrous metals recovered from the demolition works. If they remain the property of the Employer, where do they get delivered for storage?</p>   | <p>DWS to retains all the materials.</p> <p>BOQ item B50 (all non concrete materials) will be stored at the old motel. All other materials to be dumped as per scope of works.</p>   |
| 3.  | <p><b><u>Bill item C10 - Demolishing of existing apron slab</u></b></p> <p>This item is unquantified, and also is to be done sequentially together with casting new apron - please advise what assumptions to be made in pricing in terms of approximate volume of concrete and also how much downtime is likely to allow for the required casting and curing of new apron slab blocks?</p> | <p>Concrete varies in thickness from 0,75m thick to 6m thick, according to core logs that were taken.</p>  |
| 4.  | <p><b><u>Limitation on vibration</u></b></p> <p>What is the limitation on vibration and external forces from hydraulic breakers and other mechanical means, on the elements to be demolished that adjoin the structure to remain, such as the spillway piers?</p>   | <p>Nothing provided in specification.</p> <p>Only: Blasting has to be less than 12,7 mm/s @ 10 Hz</p>  |

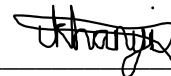
| No. | QUESTIONS DURING THE MEETING   | ANSWERS  |
|-----|--|--|
| 5.  | <p><b>Upstream Vertical Bullnose</b></p> <p>Kindly clarify which section of the upstream face protrusion (Upstream vertical bullnose - 20m) gets removed. This is not clear from the tender information received.</p> <p>Also, kindly clarify how the upstream face of the bullnose which is to be removed is to be treated – if this face is to be left exposed once the bullnose is removed, then it would seem it should be cut back and re-cast, to maintain cover to existing reinforcement, and prevent corrosion?</p> | <p>The Bullnose section of the embankment can remain in place and does not have to be removed.</p>   |
| 6.  | <p><b>Clients Works Programme.</b></p> <p>Question: Can you kindly issue us with the Client Works Programme so that we can see how much time has been allowed for each of the demolition phases? This will also assist us in allocating the correct amount of resources to meet the Clients programme objectives.</p>  | <p><b>TENTATIVE PROGRAM DATES:</b></p> <ul style="list-style-type: none"> <li>• Block 23 - September 23</li> <li>• Right Bank Overhangs - Sept 24</li> <li>• Apron - November 24</li> <li>• Blocks 10,12,14 - January 25</li> <li>• Spillway - March 25</li> <li>• Left Bank Overhangs - August 25</li> </ul> <p><b>NOTE:</b> Please take note of the supplied program dates and specific time periods that are planned for the various sections of concrete to be removed.</p> <p>Prior arrangements will be made if the work required will be one earlier/ others dates.</p> <p>Attached program</p> |
| 7.  | <p><b>Tender requirement (ANNEXURE G COMPANY EXPERIENCE) - Certificate of completed project for the similar work for the value of R 30 million in the recent 10 years.</b></p> <p>The bidder has been involved with multiple demolition projects and work scopes, however none of them reach R30 million. The reason being is that even the largest demolition</p>   | <p>1) This must stay as it is.</p>   |

| No. | QUESTIONS DURING THE MEETING   | ANSWERS  |
|-----|--|--|
|     | <p>contracts generally have a very high material salvage value which brings down the cost of demolition. We also been in contact with multiple reputable demolition in South African and none of them seem to meet this criterion.</p> <p>Question: Can you kindly consider relaxing this criterion as it relates to Clause 6.8 2) Administrative Requirements – Item 9, and Annexure G?</p> |  |
| 8.  | Request for an extension of the closing date   | <p>The closing date was extended as per addendum number 1 which extended the closing date from 02 June 2023 @ 11:00am to <b>09 June 2023 @ 11:00am.</b></p> <p>Bids received after <u>11:00am on 09 June 2023</u> will not be considered and will be returned unopened to the sender.</p>  |
| 9.  | Who will be held accountable for the risks on delays for blasting, for example: when you blast you want everybody else out of the way but on this site there are people working here   | Each case would have to handled on its own merit, as we are doing controlled blasting which does not spray the whole 500meters with blast rock.  |
| 10. | What happens if a company can do the work for a period less than the four-year programme   | <p>If it is done quicker, we will bring the dates forward and discuss with the company.</p> <p>This programme is already very tight on DWS side and to make it faster and quicker won't be easy with the fact that floods (water) may be coming through.</p> <p>For example, from end of June to September you do not work on your spillway section but there is constrains that a lot of people ignore.</p> |
| 11. | On the establishment you have four types. Are you fixed that these are the four stages that you want to make the interruptions at  | It depends largely on the concrete placing and the progress on the concrete placing. If I can make it two, we would try and make it two but again it depends largely on the concrete placing and the progress on the concrete placing.   |
| 12. | Who will carry the insurance   | The bidder must carry the insurance as specified on the bid documents under Insurance Clause 8.6   |

| No. | QUESTIONS DURING THE MEETING   | ANSWERS   |
|-----|--|---|
| 13. | The drawings provided on the bid documents are of poor quality except for one. Can clear drawings be provided to the bidders | Clear drawings were sent to all the bidders after the clarification meeting.  |
| 14. | On the BOQ there is an item for mechanical equipment where is it?  | This is under the spillway section.<br>The hydro power plant is reinforced concrete.  |
| 15. | Is the tender box open for 24hours?  | Yes, the tender box is open for 24 hours however at 11:00am Telkom time it will be closed, and any bid received later than that will be returned to the sender unopen.<br><br>If your bid proposals are too thick that they cant fit in the tender box, bidders are allowed to go inside the Zwamadaka Building to the reception area where they will be assisted to put the bid proposals inside the tender box but late bid proposals will not be accepted. |
| 16. | When is the last day for submitting bid enquiries?   | The last day for submitting any enquiries relating to the bid will be 7days before the closing date and the employer (DWS) shall respond at least five days before the closing date.  |



**Mr Manfred Röhrs**  
Project Manager



**Ms Nomfanelo Khanyi**  
SCM Secretariat