26 June 2026

To: All Bidders

Included herewith is **Addendum No 1** which forms an integral part of the Bid Document for this contract: **ALMT 14/2025: THE CONSTRUCTION OF EMPULUZI/METHULA BULK WATER SUPPLY SCHEME, PHASE 1 IN CHIEF ALBERT LUTHULI LOCAL MUNICIPALITY**

This document contains pages that Bidders are to ensure that this is included in the document.

The changes and sections made to the document are tabled in the attached addendum.

Bidders are to acknowledge receipt of Addendum 1 by:

a) Notifying Kufanikiwa Consulting (Pty) Ltd by signing and returning Form A, once signed, to:

Email: water@kufanikiwa.co.za

Attention: Mrs S Mngadi

b) Enclosing the Addendum, with Form A completed, with the submission of the Bid.

Please note that queries and the issue of addenda shall be addressed up until 7 working days prior to the closing date of the tender ALMT 14/2025.

Employer

Municipal Manager
CHIEF ALBERT LUTHULI Municipality
PO Box 24,
CAROLINA,
1185
Website: www.albertluthuli.gov.za

ALMT 14/2025: THE CONSTRUCTION OF EMPULUZI/METHULA BULK WATER SUPPLY SCHEME, PHASE 1 IN CHIEF ALBERT LUTHULI LOCAL MUNICIPALITY

ADDENDUM No 1

1. STATUS

This addendum forms an integral part of the Bid Document and shall take precedence over any clause or condition included in the Bid Document.

The changes included in this Addendum No 1 shall be the only changes to date in the Bid Document, notwithstanding any other written or verbal communications.

2. AMMENDMENTS

As per the annexures below

3. FORM A

THIS PAGE IS TO BE SIGNED AND RETURNED BY EMAIL TO: water@kufanikiwa.co.za

Please ensure that this page is included in the returnable document submitted with your tender.

ADDENDUM No 1

CONTRACT: BID NO.: ALMT 14/2025: THE CONSTRUCTION OF EMPULUZI/METHULA BULK WATER SUPPLY SCHEME, PHASE 1 IN CHIEF ALBERT LUTHULI LOCAL MUNICIPALITY

I / We have received the Addendum No 1 and have amended the document accordingly.

I / We accept that this addendum will form part of the Contract.

CONTRACTOR: ***(Insert Company Representative and Company Details/ stamp)***	ATT: Mrs S Mngadi Kufanikiwa Consulting (Pty) Ltd 11 Derby Place, Forest Square Unit 6 Derby Downs Office Park, Westville, 3629.
EMAIL: TEL:	EMAIL: water@kufanikiwa.co.za TEL: 031 701 1038
SIGNED:	DATE:

ANNEXURE 1

Question and Answers

ITEM	QUESTION	ANSWER
1.	Can a project that is incomplete supported by the reference from the client be used	No. Only completed projects may be submitted for evaluation. Each project must be supported by a Completion Certificate issued by the Client. Furthermore, the information provided will be verified through site visits, during which the evaluation team will assess the quality of workmanship and confirm that the completed works are in accordance with the submitted information

ANNEXURE 2

Tender Document Volume 1

<table>
<tr><th>REFERENCE PAGE</th><th>DESCRIPTION</th><th>AMENDMENT</th></tr>
<tr><td>Page TP.2</td><td>T1.1: TENDER NOTICE AND INVITATION TO TENDER</td><td>Briefing Date 10 June 2026</td></tr>
<tr><td>Page TP 8</td><td>F.3.11 Evaluation of Tender Offers</td><td>Functionality will be scored out of 110 points. A Tenderer who scores less than 62% for Functionality, that is, less than 69 points will automatically be disqualified.</td></tr>
<tr><td>Page TP 9</td><td>F.3.11.3 (a) Functionality</td><td>
<table>
<tr><th>TABLE</th><th>CRITERIA</th><th>MAXIMUM POINTS</th><th>MINIMUM POINTS</th></tr>
<tr><td>A1</td><td>Company Experience</td><td>30</td><td>15</td></tr>
<tr><td>A2</td><td>Organizational Structure</td><td>60</td><td>44</td></tr>
<tr><td>A3.</td><td>Financial Management Plan</td><td>10</td><td>5</td></tr>
<tr><td>A4</td><td>Quality Assurance and Control Procedures and Environmental Management</td><td>10</td><td>5</td></tr>
<tr><td></td><td>Total Points</td><td>110</td><td>69</td></tr>
</table>
</td></tr>
<tr><td>Page TP 11</td><td>TABLE A4: QUALITY ASSURANCE AND CONTROL PROCEDURE</td><td>
<table>
<tr><th></th><th>DESCRIPTION</th><th>POINTS</th><th>MAXIMUM POINTS</th><th>MINIMUN POINTS</th></tr>
<tr><td>1</td><td>ISO 9001:2015 Certification</td><td>10</td><td>10</td><td></td></tr>
<tr><td>2</td><td>In house Quality Assurance</td><td>5</td><td></td><td>5</td></tr>
<tr><td></td><td>SUB-TOTAL</td><td>10</td><td>10</td><td>5</td></tr>
</table>
</td></tr>
<tr><td>Page TP 12</td><td>TABLE A5: FUNCTIONALITY SUMMARY</td><td>Minimum amended to 69 points</td></tr>
<tr><td>Page RD41</td><td>TABLE A5: SUPPLY CHAIN POLICY USING 90/10 PREFERENCE POINT SYSTEM</td><td>Minimum amended to 69 points</td></tr>
</table>

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<table>
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<tr><td>A2</td><td>Organizational Structure</td><td>60</td><td>44</td></tr>
<tr><td>A3.</td><td>Financial Management Plan</td><td>10</td><td>5</td></tr>
<tr><td>A4</td><td>Quality Assurance and Control Procedures and Environmental Management</td><td>10</td><td>5</td></tr>
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</td></tr>
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<tr><th></th><th>DESCRIPTION</th><th>POINTS</th><th>MAXIMUM POINTS</th><th>MINIMUN POINTS</th></tr>
<tr><td>1</td><td>ISO 9001:2015 Certification</td><td>10</td><td>10</td><td></td></tr>
<tr><td>2</td><td>In house Quality Assurance</td><td>5</td><td></td><td>5</td></tr>
<tr><td></td><td>SUB-TOTAL</td><td>10</td><td>10</td><td>5</td></tr>
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<tr><td>Page RD41</td><td>TABLE A5: SUPPLY CHAIN POLICY USING 90/10 PREFERENCE POINT SYSTEM</td><td>Minimum amended to 69 points</td></tr>
<tr><td>C2-Page 5</td><td>C2.2 Bill of Quantities</td><td>Summary of Bill amended</td></tr>
</table>

ANNEXURE 3
Tender Document Volume 2-
Bill of Quantities

<table>
<tr><th>REFERENCE PAGE</th><th>SCHEDULE</th><th>AMENDMENT</th></tr>
<tr><td>Page 2</td><td>BOQ: Schedule 1: Preliminary and General</td><td>Reference for Items 1.2.3 and 1.2.4</td></tr>
<tr><td>Page 7</td><td>BOQ: Schedule 3: Access Road</td><td>ITEM 3.1.6 CLAUSE 8.2.9

<table><tr><td>Transport materials and debris to unspecified sites and dump (provisional)</td><td>m³.km</td><td>562 500,0</td></tr></table></td></tr>
<tr><td>Page 8</td><td>BOQ: Schedule 3: Access Road</td><td>ITEM 4.1.4 CLAUSE 8.3.2(a)<table><tr><td>For Sub-soil drainage within a depth of 0 to 1.5m</td><td>m³</td><td>800,0</td></tr></table></td></tr>
<tr><td>Page 9</td><td>BOQ: Schedule 3: Access Road</td><td>ITEM 5.1.1 to 5.1.3<table><tr><td>Heavy pneumatic-tyred roller</td><td>m²</td><td>42 000,0</td></tr><tr><td>Vibratory roller</td><td>m²</td><td>42 000,0</td></tr><tr><td>Impact roller</td><td>m²</td><td>42 000,0</td></tr></table></td></tr>
<tr><td>Page 9</td><td>BOQ: Schedule 3: Access Road</td><td>CLAUSE 8.3.7 (description: Cut to spoil or stockpile from)

ITEM 5.2.9 to 5.2.13<table><tr><td>Soft excavation</td><td>m³</td><td>37 300,0</td></tr><tr><td>Intermediate excavation</td><td>m³</td><td>3 730,0</td></tr><tr><td>Hard excavation</td><td>m³</td><td>3 730,0</td></tr><tr><td>Boulder excavation Class A</td><td>m³</td><td>3 730,0</td></tr><tr><td>Boulder excavation Class B</td><td>m³</td><td>3 730,0</td></tr></table></td></tr>
<tr><td>Page 10</td><td>BOQ: Schedule 3: Access Road</td><td>ITEM 5.6.1

<table><tr><td>200mm thick G7 Gravel Surface Layer compacted to 95% MOD AASHTO</td><td>m³</td><td>48 900,0</td></tr></table></td></tr>
<tr><td>Page 11</td><td>BOQ: Schedule 3: Access Road</td><td>ITEM 6.1

<table><tr><td>150 mm G9 compacted to 93% MOD AASHTO to main roadway</td><td>m³</td><td>8 150,0</td></tr></table>
ITEM 6.3<table><tr><td>150mm G7 compacted to 95% MOD AASHTO</td><td>m³</td><td>7 840,0</td></tr></table></td></tr>
</table>

<table>
<tr><th>REFERENCE PAGE</th><th>SCHEDULE</th><th>AMENDMENT</th></tr>
<tr><td>Page 12</td><td>BOQ: Schedule 3: Access Road</td><td>
ITEM 7.1 CLAUSE 8.3.1
(description: Construct base with gravel material from commercial source)
<table>
<tr><td>Construct G5, 150 mm subbase layer thickness from commercial source mixed with cement and compacted to 95% MoD AASHTO to main roadway</td><td>m³</td><td>7 530,0</td></tr>
</table>
ITEM 7.6 to 7.8
<table>
<tr><td>d) Stabilization</td><td>m³</td><td>7 530,0</td></tr>
<tr><td>Portland cement, CEM II 42.5</td><td>t</td><td>470,0</td></tr>
<tr><td>Provision of water for curing</td><td>kl</td><td>1 260,0</td></tr>
</table>
</td></tr>
<tr><td>Page 13</td><td>BOQ: Schedule 3: Access Road</td><td>
ITEM 8.1 CLAUSE 8.4.3

(Description: Strength concrete: 30 MPa/19mm

ITEM 8.1.1
<table>
<tr><td>a)150mm thick excluding texturing and curing; cast in alternate panels at a ratio of 1:1.25</td><td>m³</td><td>7 220,0</td></tr>
</table>
ADDITIONAL ITEM 8.1A
<table>
<tr><td>c) 100mm thick for sidewalk Construction cast in alternate panels</td><td>m³</td><td>1 030,0</td></tr>
</table>
ITEM 8.2.2
<table>
<tr><td>100mm thick V-Drains</td><td>m²</td><td>2 000,0</td></tr>
</table>
ADDITIONAL ITEM 8.4A
<table>
<tr><td>a) Wood Floated Finish</td><td>m²</td><td>25 250,0</td></tr>
</table>
ITEM 8.4.1 TO 8.4.2
<table>
<tr><td>To Concrete Pavement</td><td>m²</td><td>48 125,0</td></tr>
<tr><td>Curing</td><td>m²</td><td>48 125,0</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><th>REFERENCE PAGE</th><th>SCHEDULE</th><th>AMENDMENT</th></tr>
<tr><td>Page 13</td><td>BOQ: Schedule 3: Access Road</td><td>ITEM 8.5.4
<table><tr><td>Concrete Cube Tests</td><td>No.</td><td>1 000,0</td></tr></table></td></tr>
<tr><td>Page 14</td><td>BOQ: Schedule 3: Access Road</td><td>ITEM 9.3.2
<table><tr><td>b) 900 mm diameter</td><td>m</td><td>100,0</td></tr></table>
ITEM 9.3.4
<table><tr><td>e) Extra-over for inlet and outlet structures, skewed ends, catchpits, manholes, trust and anchor blocks, blinding layer, open channel including formwork and including class U2 surface finish, class 30/19 concrete</td><td>m³</td><td>320,0</td></tr></table>
ITEM 9.4.1
<table><tr><td>a) Selected granular material</td><td>m³</td><td>1 400,0</td></tr></table>
ADDITIONAL ITEM 9.4.3a and 9.4.3b
<table><tr><td>a) Using imported selected material</td><td>m³</td><td>500</td></tr><tr><td>Overhaul of Material for Bedding Cradle and Selected Fill Blanket</td><td>m³</td><td>3072</td></tr></table></td></tr>
<tr><td>Page 15</td><td>BOQ: Schedule 3: Access Road</td><td>ITEM 9.8.1
<table><tr><td>Construct 230mm brick wall headwalls complete 25MPa with 150mm concrete base and concrete baffle blocks</td><td>No.</td><td>120,0</td></tr></table></td></tr>
<tr><td>Page 17</td><td>BOQ: Schedule 3: Access Road</td><td>ITEM 11.3.1 and 11.3.4
<table><tr><td>a) White lines (broken or unbroken) (width 100 mm)</td><td>km</td><td>17,0</td></tr></table></td></tr>
</table>

<table>
<tr><th>REFERENCE PAGE</th><th>SCHEDULE</th><th>AMENDMENT</th></tr>
<tr><td>Page 17</td><td>BOQ: Schedule 3: Access Road</td><td>ITEM 11.3.4 CLAUSE 11.4.4

<table><tr><td>Setting out and premarking of lines (excluding traffic island markings, characters, and symbols)</td><td>km</td><td>17,0</td></tr></table></td></tr>
<tr><td>Page ADD-3A.13</td><td>BOQ: Schedule 3A: Access Road</td><td>ADDITIONAL ITEM 5A13.1 to 5A13.4.4</td></tr>
<tr><td>Page 21</td><td>BOQ: Schedule 4: Access Road Bridges</td><td>ADDITIONAL ITEMS 14A.6 (14A.6.1 to 14A.6.4)

<table><tr><td>GABIONS</td><td></td><td></td></tr><tr><td>Surface preparation for bedding of gabions and mattresses</td><td>m²</td><td>3.5</td></tr><tr><td>Gabions and mattresses</td><td></td><td></td></tr><tr><td>(a) Galvanised gabion boxes (2mx1mx1m)</td><td>m³</td><td>670.0</td></tr><tr><td>(b) Galvanised gabion mattresses (2mx1mx0.5m)</td><td>m³</td><td>1087.5</td></tr><tr><td>(c) PVC - coated gabion mattresses (2mx1mx1m)</td><td>m³</td><td>187.5</td></tr><tr><td>Geotextile</td><td>m²</td><td>625.0</td></tr></table></td></tr>
<tr><td>Page 25</td><td>BOQ: Schedule 5: Bridges</td><td>ITEM 17.1.11

Description: Provide all materials to include reinforcement, concrete and all other necessary accessories for manufacturing 40Mpa precast beams refer to drawing No EMP1-B01-S402, EMP1-B01-S502, EMP1-B02-S402 and EMP1-B02-S502</td></tr>
<tr><td>Page 29</td><td>BOQ: Schedule 5: Bridges</td><td>ITEM 17.11.1
Description: Filled on the deck with 20mm Jointex (drawing ref EMP1-B01-S401, EMP-B01-S501, EMP1-B02-S401, EMP-B02-S501)</td></tr>
<tr><td>Page 29</td><td>BOQ: Schedule 5: Bridges</td><td>ITEM 17.11.2
Description: Unfilled on parapet (drawing ref EMP1-B01-SD001, EMP1-B01-SD002, EMP1-B02-SD001, EMP1-B02-SD002)</td></tr>
<tr><td>Page 30</td><td>BOQ: Schedule 5: Bridges</td><td>ITEM 17.12.1

Description: Bearings (Elastomeric Bearing ref drawing EMP1-B01-S301, EMP1-B02-S301)</td></tr>
</table>

<table>
<tr><th>REFERENCE PAGE</th><th>SCHEDULE</th><th>AMENDMENT</th></tr>
<tr><td>Page 30</td><td>BOQ: Schedule 5: Bridges</td><td>ITEM 17.12.5

Description: (ii) Multidirectional (EMP1-B01-S301, EMP1-B02-S301)</td></tr>
<tr><td>Page 30</td><td>BOQ: Schedule 5: Bridges</td><td>ITEM 17.12.6
Description: Installing the proprietary bearings (laminated Elastomeric Bearings ref drawing EMP1-B01-S301, EMP1-B02-S301)</td></tr>
<tr><td>Page 30</td><td>BOQ: Schedule 5: Bridges</td><td>ITEM 17.13.1

Description: Parapets: Supply of formwork, reinforcement and concrete</td></tr>
<tr><td>Page 30</td><td>BOQ: Schedule 5: Bridges</td><td>ITEM 17.13.9
Description: (50mm Dia weephole at 1800mmc/c (drawing ref EMP-B01-S201, EMP-B01-S202, EMP-B02-S201, EMP-B02-S202)</td></tr>
<tr><td>Page 31</td><td>BOQ: Schedule 5: Bridges</td><td>ITEM 17.13.13

<table>
<tr><td>Galvanising of reinforcement</td><td>t</td><td>10,0</td></tr>
</table>
</td></tr>
<tr><td>Page 31</td><td>BOQ: Schedule 5: Bridges</td><td>ADDITIONAL ITEMS 17A.13.14 (17A.13.14.1 to 17A.13.14.3)

<table>
<tr><td>17A.13.14</td><td colspan="5">TESTING MATERAILS AND JUDGEMENT OF WORKMANSHIP</td></tr>
<tr><td>17A.13.14.1</td><td>Special tests on elastomeric bearings (150 % vertical load and 150 % shear distortion)</td><td>No</td><td>100</td><td></td><td></td></tr>
<tr><td></td><td>Special tests requested by the Engineer</td><td></td><td></td><td></td><td></td></tr>
<tr><td>17A.13.14.2</td><td>Tests for water sorptivity</td><td>Prov Sum</td><td>1,0</td><td>200 000,00</td><td>200 000,00</td></tr>
<tr><td>17A.13.14.3</td><td>Handling costs and profit in respect of item 17A.13.14.2</td><td>%</td><td>200 000,0</td><td></td><td></td></tr>
</table>
</td></tr>
</table>

<table>
<tr><th>REFERENCE PAGE</th><th>SCHEDULE</th><th>AMENDMENT</th></tr>
<tr><td>Page 32</td><td>BOQ: Schedule 6: Earthworks</td><td>ITEM 18.1.6 and 18.1.7
<table><tr><td>Boulder material, Class A</td><td>m³</td><td>3 400,0</td></tr><tr><td>Boulder material, Class B</td><td>m³</td><td>4 500,0</td></tr></table></td></tr>
<tr><td>Page 34</td><td>BOQ: Schedule 6: Earthworks</td><td>ITEM 19.4.6 and 19.4.8
<table><tr><td>a) Spillway</td><td>m³</td><td>135,0</td></tr><tr><td>b) Cut-off trench</td><td>m³</td><td>123,0</td></tr><tr><td>c) Outlet trench</td><td>m³</td><td>122,0</td></tr></table></td></tr>
<tr><td>Page 34</td><td>BOQ: Schedule 6: Earthworks</td><td>ITEM 19.5.4
<table><tr><td>d) Cement slush grouting</td><td>50kg sacks</td><td>150,0</td></tr></table></td></tr>
<tr><td>Page 36</td><td>BOQ: Schedule 6: Earthworks</td><td>ITEM 20.1.1. and 20.1.2 Clause 8.3.2 a) and 8.3.2b)
<table><tr><td>Excavate in all materials and dispose of to stockpile area, contractors' temporary work (eg coffer dams) or as directed by the Engineer</td><td>m³</td><td>153,000.0</td></tr><tr><td>Extra-over item 15.1.4 for excavation in hard rock by blasting where approved by the Engineer</td><td>m³</td><td>102,450.0</td></tr></table></td></tr>
<tr><td>Page 43</td><td>BOQ: Schedule 7: WEIR</td><td>ITEM 25.1.2 and 25.1.3
<table><tr><td>Left wall</td><td>m³</td><td>20 000,0</td></tr><tr><td>Right wall</td><td>m³</td><td>9 000,0</td></tr></table></td></tr>
<tr><td>Page 43</td><td>BOQ: Schedule 7: WEIR</td><td>ITEM 25.1.4
Description: Base and Baffles</td></tr>
<tr><td>Page 44</td><td>BOQ: Schedule 7: WEIR</td><td>ITEM 25.1.17
<table><tr><td>River redirection wall</td><td>m³</td><td>700,0</td></tr></table></td></tr>
<tr><td>Page 44</td><td>BOQ: Schedule 7: WEIR</td><td>ADDITIONAL ITEM 25A.1.17
<table><tr><td>Construct Stairwell Access</td><td>m³</td><td>1 420,0</td></tr></table></td></tr>
</table>

<table>
<tr><th>REFERENCE PAGE</th><th>SCHEDULE</th><th>AMENDMENT</th></tr>
<tr><td>Page 53</td><td>BOQ: Schedule 9: WEIR DECK BRIDGE</td><td>ITEM 33.1.4

Description: Provide all materials to include reinforcement, concrete and all other necessary accessories for manufacturing 40Mpa prestressed beams of 18m lengths</td></tr>
<tr><td>Page 54</td><td>BOQ: Schedule 9: WEIR DECK BRIDGE</td><td>ITEM 34.16
Description: Installing the proprietary bearings (Laminated Elastometric Bearing</td></tr>
<tr><td>Page 57</td><td>BOQ: Schedule 9: WEIR DECK BRIDGE</td><td>ITEM 37.3

Description: Handling costs and profit in respect of item 37.2</td></tr>
<tr><td>Page 70</td><td>BOQ: Schedule 10: INTAKE TOWER AND OFF CHANNEL STORAGE DAM</td><td>ITEM 47.6 to 47.9
<table>
<tr><td>110 OD Class 6 up Pipe to meter chamber</td><td>m</td><td>200,0</td></tr>
<tr><td>250 OD Class 6 for HV cable</td><td>m</td><td>200,0</td></tr>
<tr><td>110 OD Class 6 along Access Bridge</td><td>m</td><td>200,0</td></tr>
<tr><td>80 dia uPVC drainpipe for drainage between Intake Tower floors</td><td>m</td><td>200,0</td></tr>
</table></td></tr>
<tr><td>Page 78</td><td>BOQ: Schedule 10: INTAKE TOWER AND OFF CHANNEL STORAGE DAM</td><td>ADDITIONAL ITEMS

51.4. 6a, 51.4.7a, 51.4.8a, 51.4.9a, 51.4.10a, 51.4.11a, 51.5.7a, 51.5.7b, 51.6.1a, 51.6.2a</td></tr>
<tr><td>Page ADD-10.51</td><td>BOQ: Schedule 10: INTAKE TOWER AND OFF CHANNEL STORAGE DAM</td><td>ITEM 51.7.38a to 51.7.38i</td></tr>
<tr><td>Page ADD-10A.-1 to ADD-10A.-7</td><td>BOQ: Schedule 10A: INTAKE TOWER AND OFF CHANNEL STORAGE DAM</td><td>ITEM 10A56.1.1 to 10A60.2.3</td></tr>
</table>

REFERENCE PAGE	SCHEDULE	AMENDMENT
Page 103	BOQ Schedule 13: Bulk Pipelines from OCSD to Methula	**Clause 8.3.2b)** **Description:** Extra-over items .63.2.1 to .63.2.3 incl. for (prov):
Page 106	BOQ Schedule 13: Bulk Pipelines from OCSD to Methula	**Clause 8.3.5** **Description:** Overhaul of material for bedding (Provisional) where ordered Extra-over items .64.1.1 to .64.1.6
Page 110	BOQ Schedule 13: Bulk Pipelines from OCSD to Methula	**ITEM 65.13.2** **Description:** Extra-over for item 65.13.1 Contractors' charges
Page 115	BOQ: Schedule 14: PUMPSTATION	**ITEM 66.3.31** **Description**: Supply and install a DN250 Discharge piping system for Methula WTW Rising Main including discharge manifold and including gaskets, nuts, bolts, support brackets and sundry materials, but excluding materials measured below: Refer to drawing No: EMP1-PS-PD-001
Page 115	BOQ: Schedule 14: PUMPSTATION	**ITEM 66.3.32** **Description**: Supply and install DN315 Discharge piping system for Mayflower WTW Rising Main including discharge manifold and including gaskets, nuts, bolts, support brackets and sundry materials, but excluding materials measured below: Refer to drawing No: EMP1-PS-PD-001
Page 119	BOQ: Schedule 14: PUMPSTATION	**ADDITIONAL ITEM 66.5.37a** Handing Cost for the above item | % | 37600

ANNEXURE 4
Specification

REFERENCE PAGE	SECTION	AMENDMENT
Page SW193	PART C3: SCOPE OF WORK	**Scour Protection using Gabions and Reno Mattresses** Gabions and Reno mattresses used for scour protection shall comply with the requirements of SANS 1200 DK and shall be of the dimensions indicated on the project drawings and item 8.2.2 in the pricing data. **The Gabions and reno mattresses shall:** • Be manufactured from double twisted galvanized steel wire mesh; • Be PVC coated where specified on the drawings; • Be installed in accordance with the manufacturer's recommendations and SANS 1200 DK. Stone Fill: The stone fill used for filling the gabions and reno mattresses shall comply with SANS 1200 DK. **The stones shall:** • Be clean, hard durable and unweathered; • Be free from cracks, fissures, clay and organic matter; • Be of a size suitable for the specified mesh and basket depth. **Geotextile:** Geotextiles shall be installed beneath the gabions and reno mattress protection unless otherwise stated on the drawings and as per item 8.2.4 in the pricing data: The geotextile shall: • Comply with the requirements specified on the Drawings; • Be placed on a prepared surface free from sharp objects and protrusions; • Be installed with a minimum overlap of 300 mm; • Be secured to prevent movement during construction. All completed scour protection works shall be inspected and approved by the Engineer prior to acceptance.

ANNEXURE 5
Additional Drawings

DRAWING NUMBER	DESCRIPTION
EMP1-EW-BE-001	WEIR EXCAVATION LAYOUT
EMP1-EW-BE-002	OCSD WEIR SECTIONS SHEET
EMP1-EW-BE-003	OCSD WEIR SECTIONS SHEET
EMP1-EW-GBD-001	GOUTING AND BLASTING DETAILS
EMP1-IT-CS-002	EXCAVATION DRAWING
EMP1-IT-CS-003	OCSD SPILLWAY SECTIONS SHEET
EMP1-IT-CS-005	OCSD CURTAIN GROUTING SECTIONS

ANNEXURE 6
Excel BOQ