

**TENDER CLARIFICATION**

**FOR THE CONSTRUCTION OF MEDUPI WITKOP 400KV TRANSMISSION LINES SECTIONS A, B, C AND D** The following clarification is needed in response to queries and questions raised by Tenderers.

Clarification Request in **BLACK** and Clarification Response in **RED**

<b>Clarification 19</b>	<b>Request For Proposal No. MWP1625TX</b>
<p>1) Eskom reply to Clarification has reference: Addendum 1 Revised BoQ and C2 ECC3 Pricing Data, we quote an extract regarding weight correction on the BOQ:</p> <ul style="list-style-type: none"><li>• Bill 3 (Towers), item 7.3 Corrected tower weights from 54tonne to 5.4tonne for section A.</li></ul> <p><i>This is a correction for the weight of a 524A type tower. However, on the same BOQ - item 7.5 is also a 524A type tower and the weight for this tower is shown as 51 tonnes.</i> <i>Kindly reconcile and issue revised BoQ addressing this discrepancy. (Kindly refer to Addendum Rev 3 uploaded on clarification folder, which addresses changes on Rev 3 Section A Bill of Quantities)</i></p> <p><b>Clarification 2</b></p> <p>2) Eskom reply to Clarification has reference: A clarification request was made on the weight of the 531E CAH22 tower (Section A-Towers BoQ, Item 6.1, which shows a 531E tower of 22m CAH, weighing 121,154.00kg). The response was that... "Tenderer to price with the provided weight, the Bill is re-measurable and during assessments the correct weight will be claimed".</p> <p>Both the Staking table and Profile show that only one 531E tower will be used for this project. This is a Monopole tower which the supplier has told us only weighs 30.44 tons, and the supplier will only quote per tower and not per weight. The weight referenced in BOQ Item 6.1, is taken from the drawing supplied with the tender, which shows that it is for the supply of 5 towers. (The supplier has confirmed this). The 531E tower is a Monopole tower, quoting with the incorrect weight shown on the BOQ will make assessment during construction phase extremely difficult and will lead to disputes despite the fact that the bill is measurable.</p> <p><i>Kindly make the correction at this stage of the process for this specific tower and reflect the accurate weight i.e. 121 154kg. This will eliminate all confusion that exists with this tower. (Kindly refer to Addendum Rev 2 uploaded on clarification folder, which addressed changes on Rev 3 Section A Bill of quantities)</i></p> <p><b>Clarification 3</b></p>	

3) The Section A BoQ includes for the construction of two Underpasses, one of the requirements in the BoQs is Tests. These being:

<b>Tests</b>
<u>Foundation Indicator Tests:</u>
Sieve analysis
Atterberg limits
Hydrometer analysis
<u>Density Tests:</u>
Maximum Dry Density Tests
Optimum Moisture Content
<u>In-situ Testing:</u>
DPSH

*Kindly provide us with the applicable Standards against which results are to be measured, and please advise to what depth the DPSH is required.*

**Typically the DPSH is outsourced to an accredited contractor to conduct the tests. SANAS Accredited laboratories should be used as they have all the standards and will know what to do, below are the applicable standards.**

<u>Tests</u>	<u>SANS 3001</u>
<u>Foundation Indicator Tests:</u>	
<b>Sieve analysis</b>	<b>SANS 201, SANS 3001-AG1</b>
<b>Atterberg limits</b>	<b>SANS 3001-AG1, SANS 3001-GR11</b>
<b>Hydrometer analysis</b>	<b>SANS 3001-GR3, SANS 3001-GR5, SANS 6241</b>
<u>Density Tests:</u>	
<b>Maximum Dry Density Tests</b>	<b>SANS 3001-GR30,</b>
<b>Optimum Moisture Content</b>	<b>SANS 3001-GR30,</b>
<u>In-situ Testing:</u>	
<b>DPSH</b>	<b>Depth: Once refusal depth is reached (more than 100 blows per 300mm), the driving roads are withdrawn by 600mm.</b>
	<b>DPSH Testing</b>

**DPSH testing should be conducted to provide supplementary data on the consistency of the soil profile where the following is applicable:**

- Low strength, unconsolidated soils are encountered within full depth of trial holes next.**
- Where there is no certainty of depth of bedrock and the material 3 m below the NGL.**
- Where soils are predominantly of a loose-medium dense or soft-firm consistency.**

**Clarification 4**

- 4) The Section B, BOQ 3. Towers, Item 5.7, for the tower type 529A, sets out a weight of 2314 kg, extract below:

5.7	38m Mast length 28.5m CAH
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2,314.90	kg
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This weight referenced in Section B is incorrect. The Correct weight should be 4409.34 kg (this can be seen on the other Sections issued).

*Kindly revise and indicate correct weight (Kindly refer to Addendum Rev 3 uploaded on clarification folder, which addresses changes on Rev 2 Section B Bill of Quantities)*