

**MOMBASA WATER**



**SUPPLY & SANITATION COMPANY LIMITED**

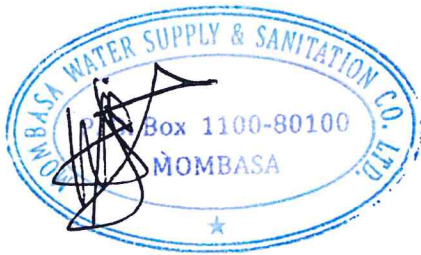
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**ADDENDUM/CLARIFICATION II: FRAMEWORK CONTRACTING**

| <b>Item No</b>  | <b>Concern</b>   | <b>Clarification</b>  |
|---|--|---|
| <b>MWSS/FC/001/2024-2025 (SUPPLY &amp; DELIVERY OF PIPES, FITTINGS AND COUPLINGS)</b> |  |   |
| 1   | Your Tender Data Sheet (TDS) calls for submission of sample for testing, please advise which fitting would you like us to provide a sample and of what size? | <i>Kindly, provide sample of whatever in the stock or as per the specifications if any.</i>   |
| 2   | Your price calls for stainless steel bolts and nuts and washers, please, clarify your desired lengths of bolts. Should we supply full thread or half-thread? | <i>Kindly, provide full-threaded bolts &amp; Nuts c/w washers</i>   |
| 3   | Item No. 46 (Clamp Ring with sealing clutch)   | <i>Clamp Ring.</i>  |
| 4   | Item No. 52 (Security Ribbon/Tape), provide sample image or advise on area of use  | <i>This is the normal Ribbon normally used to cordon off an area where a trench to either repair a leaking pipe or laying of pipe is done it is to caution the general public on the danger of an open trench ahead</i> |
| 5   | Item No. 61 (Pick), Provide a sample   | <i>This is available and can be shown at the Central Stores</i>   |
| 6   | Item No. 64 (HDPE Butt Fusion Machine), would you want the machine to be supplied complete with its suitable power source?                                   | <i>Pipe sizes should range from the smallest to the largest, No power source is required</i>  |
| 7   | Item No. 66 (Portable Meter Testing Kit)   | <i>Sizes to be tested are ranging from 15mm - 25mm</i>  |
| 8   | Item No. 68 (Hem)  | <i>This can be provided once contact is shared</i>  |
| 9   | Submit evidence inform of at least Five (5) letter(s) of Distributorship with pipes, fittings and Couplings manufacturer(s)                                  | <i>It is very important to note that this requirement has been reduced to at least Two(2) manufacturer.</i>   |
| <b>MWSS/FC/002/2024-2025 (SUPPLY &amp; DELIVERY OF WATER METERS)</b>                  |  |   |

|   |  |   |
|---|--|---|
| 1 | <p>Your price schedule for the Electromagnetic insertion type flow meters from DN15 to DN150. The size range is not available for this type of meters. Insertion flow meters are manufactured for large pipe measurements and are available in the below listed sizes:</p> <p>Small for DN150 to DN600<br/> Medium for DN200 to DN1600<br/> Large for DN450 to DN2600<br/> Kindly revise your price schedule accordingly</p> | <p><i>Kindly align to the Specifications given in the bidding document with the attached document</i></p> |
| 2 | <p>Your specifications call for Ultrasonic Flow Meters between DN15 to DN525. Please, note that Ultrasonic Flow Meters are recommended for sizes between 15mm to 300mm. Beyond this we recommend the use of Electromagnetic Flow Meters which have better accuracy.</p>  | <p><i>This is aligned in the Specifications given in the bidding document</i></p>                         |
| 3 | <p>You have requested for mechanical cold-water meters from DN15 to DN525, as per the Ministry regulations and the current advancement in the water industries, it is no longer recommended to use mechanical meters for medium to large customers and distribution lines as we as their accuracy is very low which will result in high NRW. We strongly recommend the use of static meters or your large customers.</p>     | <p><i>Kindly just stick to the Specifications given, do not deviate.</i></p>                              |
| 4 | <p>With reference to clarification No.3, your pipe and fittings BOQ has only requested for non-return valves and Strainers up to DN150. Mechanical Meters are required to be installed with Strainers at all times, please revise your list accordingly.</p>   | <p><i>Kindly get aligned to the Specifications given in the bidding document</i></p>                      |
| 5 | <p>Your Tender Data Sheet (TDS) calls for submission of Water Meter samples for mechanical, UFM and EMM meters. These are very expensive and most customers would like their meters supplied new and unused, you can confirm</p>   | <p><i>Provide samples for mechanical cold-water meters from DN15 and DN20</i></p>                         |

|   |  |   |
|---|--|---|
|   | performance and accuracy of these meters from various installation sites which the meters have been deployed. Please advise if we can share site names and contact list of the personnel for you to exercise due diligence |   |
| 6 | Submit evidence inform of at least Five (5) letter(s) of Distributorship with Water Meters manufacturer(s)   | <i>It is very important to note that this requirement has been reduced to at least Two(2) manufacturer.</i> |
|   |  |   |



**ABDIRAHIM FARAH**  
**MANAGING DIRECTOR**

## FRAMEWORK METERS

| N <sup>o</sup> | DESCRIPTION   | SIZE          | Contry of Origin | QTY | Unit Cost (KES) | VAT Cost (KES) | Total Unit (Incl.) |
|----------------|---|---------------|------------------|-----|-----------------|----------------|--------------------|
| 1              | Electromagnetic Flow Meter (EFM) - Inline Type (as per the company's developed specifications)    |               |                  |     |                 |                |                    |
|                | (i) DN  | 15mm          |                  |     |                 |                |                    |
|                | (ii) DN   | 20mm          |                  |     |                 |                |                    |
|                | (iii) DN  | 25mm          |                  |     |                 |                |                    |
|                | (iv) DN   | 32mm          |                  |     |                 |                |                    |
|                | (v) DN  | 40mm          |                  |     |                 |                |                    |
|                | (vi) DN   | 50mm          |                  |     |                 |                |                    |
|                | (vii) DN  | 80mm          |                  |     |                 |                |                    |
|                | (viii) DN   | 100mm         |                  |     |                 |                |                    |
|                | (ix) DN   | 150mm         |                  |     |                 |                |                    |
|                | (x) DN  | 200mm         |                  |     |                 |                |                    |
|                | (xi) DN   | 250mm         |                  |     |                 |                |                    |
|                | (xii) DN  | 300mm         |                  |     |                 |                |                    |
|                | (xiii) DN   | 350mm         |                  |     |                 |                |                    |
|                | (ivx) DN  | 400mm         |                  |     |                 |                |                    |
| (xv) DN        | 525mm   |               |                  |     |                 |                |                    |
| 2              | Electromagnetic Flow Meter (EFM) - Insertion Type (as per the company's developed specifications) |               |                  |     |                 |                |                    |
|                | (i) SMALL - DN  | 150 - 600mm   |                  |     |                 |                |                    |
|                | (ii) MEDIUM - DN  | 200 - 1,600mm |                  |     |                 |                |                    |
|                | (iii) LARGE - DN  | 450 - 2,600mm |                  |     |                 |                |                    |
| 3              | Ultrasonic Flow Meter (UFM) (as per the company's developed specifications)                       |               |                  |     |                 |                |                    |
|                | (i) DN  | 15mm          |                  |     |                 |                |                    |
|                | (ii) DN   | 20mm          |                  |     |                 |                |                    |
|                | (iii) DN  | 25mm          |                  |     |                 |                |                    |
|                | (iv) DN   | 32mm          |                  |     |                 |                |                    |
|                | (v) DN  | 40mm          |                  |     |                 |                |                    |
|                | (vi) DN   | 50mm          |                  |     |                 |                |                    |
|                | (vii) DN  | 80mm          |                  |     |                 |                |                    |
|                | (viii) DN   | 100mm         |                  |     |                 |                |                    |
|                | (ix) DN   | 150mm         |                  |     |                 |                |                    |
|                | (x) DN  | 200mm         |                  |     |                 |                |                    |
|                | (xi) DN   | 250mm         |                  |     |                 |                |                    |
| (xii) DN       | 300mm   |               |                  |     |                 |                |                    |

|   |   |       |  |  |  |  |  |
|---|---|-------|--|--|--|--|--|
| 4 | Cold water meters complete with connectors & NRV for DN15-40mm and DN50-525mm Flanged (as per the company's developed specifications) |       |  |  |  |  |  |
|   | (i) DN  | 15mm  |  |  |  |  |  |
|   | (ii) DN   | 20mm  |  |  |  |  |  |
|   | (iii) DN  | 25mm  |  |  |  |  |  |
|   | (iv) DN   | 32mm  |  |  |  |  |  |
|   | (v) DN  | 40mm  |  |  |  |  |  |
|   | (vi) DN   | 50mm  |  |  |  |  |  |
|   | (vii) DN  | 80mm  |  |  |  |  |  |
|   | (viii) DN   | 100mm |  |  |  |  |  |
|   | (ix) DN   | 150mm |  |  |  |  |  |
|   | (x) DN  | 200mm |  |  |  |  |  |
|   | (xi) DN   | 250mm |  |  |  |  |  |
|   | (xii) DN  | 300mm |  |  |  |  |  |
|   | (xiii) DN   | 350mm |  |  |  |  |  |
|   | (ivx) DN  | 400mm |  |  |  |  |  |
|   | (xv) DN   | 525mm |  |  |  |  |  |

## FRAMEWORK PIPES AND FITTINGS

| NO | ITEM DESCRIPTION                                  | SIZE      |
|----|---|-----------|
| 42 | Stainless Bolts & Nuts c/w<br>Washers Full Thread | M12 x 2½" |
|    |   | M16 x 2½" |
|    |   | M20 x 3"  |
|    |   | M33 x 4"  |
|    |   | M36 x 5"  |
|    |   | M40 x 5"  |
|    |   |           |