

Contractor Queries for Bid No: RFP/002/2025: External Bulk Electrical

1. On page 10 of the COT Mini Sub specification, there is a price schedule for MSS with copper windings. Are we required to price this schedule?
 - 1.1. **TASEZ Response:** No, this is for information only. Bidders to price as per the BoQ.
2. If so, should the total price reflected on this schedule be added to the main BOQ total?
 - 2.1. **TASEZ Response:** The price must only be detailed on the bill.
3. In the Mini Sub specification, Annexure A and Annexure D contain Technical Schedules A & B. Are we required to complete these?
 - 3.1. **TASEZ Response:** No, it's only for information.
4. We noted the following requirements:
 - 4.1. 11kV NEW 3 WAY RMU (Metering type RMU)
 - 4.2. CoT Supplier – MV Switchgear supplied and installed in accordance with drawings and specifications, to CoT requirements on a concrete base
 - 4.3. Supply Standard 11,000 Volt Outdoor 3 Way RMU | Qty: 4
 - 4.3.1. **TASEZ Response:** The contractor to provide cost(price) for each item as detailed in the bill.
 - 4.4. 11kV BMK
 - 4.4.1. CoT Supplier – MV Switchgear supplied and installed in accordance with drawings and specifications, to CoT requirements on a concrete base
 - 4.4.2. Supply Standard 11,000 Volt Outdoor 11kV BMK | Qty: 3
 - 4.4.2.1. **TASEZ Response:** The contractor to provide cost(price) for each item as detailed in the bill.
 - 4.5. For the BMK, we would need clarity on the configuration of the 11kV Ring Main Unit (e.g., 2 Isolators + 1 Circuit Breaker, or another arrangement). The specification also refers to SCADA, which suggests motorisation may be required.
 - 4.5.1. **TASEZ Response**
 - 4.5.1.1. 2 x Isolators & 1 CB configuration.
 - 4.5.1.2. Steelcor is a supplier of these units to City of Tshwane – Confirmation of above notes will be as per the CoT specifications & accepted (manufactured) by Steelcor.

- 4.5.1.3. City of Tshwane side: Outdoor Metering Unit with an isolator, circuit breaker and isolator. Circuit breaker is the local supply the customer.
- 4.5.1.4. Must have a relay and the only switchgear used, is Schneider or T Good.
- 4.5.1.5. Customer side: T1 unit with a circuit breaker with relay supply from C.O.T
- 4.5.1.6. Outdoor Metering Unit and T1 Unit must be visible not too far from another.
- 4.5.1.7. 2m clearance around Outdoor Metering Unit.

4.6. We kindly request clarification on the following points:

4.6.1. Required configuration of the outdoor RMUs.

4.6.1.1. **TASEZ Response:** 2 x isolators & 1 CB configuration- Steelcor is a supplier of these units to City of Tshwane

4.6.2. Whether the units are to be motorised or manually operated.

4.6.2.1. **TASEZ Response:** Manually, as per the CoT specifications & accepted (manufactured) by Steelcor.

4.6.3. If motorised, will power be available onsite to supply the motors, or should BTUs be included?

4.6.3.1. **TASEZ Response:** N/A

4.6.4. Whether a Remote Terminal Unit (RTU) is required for SCADA integration.

4.6.4.1. **TASEZ Response:** Please see note below

4.6.5. The communication protocols required for SCADA.

4.6.5.1. **TASEZ Response:** Please see note below

4.6.5.1.1. The SCADA System:

4.6.5.1.1.1. The City of Tshwane currently has an installed equipment network consisting of GE Harris (IST), ABB (Hitachi Energy), and Netcon systems. No other equipment suppliers will be considered at this time.

4.6.5.1.1.2. The preferred City of Tshwane installer is Netcon Systems.

4.6.5.1.1.3. Secondly, the SCADA system is only utilized in the main Watloo Substation MV Panels & Dedicated Satellite Substation MV panel only.

4.7. The switchgear for Watloo Substation.

- 4.7.1. I am clear that it is ACTOM spec because it needs to fit to an existing board. What the circuit breaker Amperages?
- 4.7.2. What are the CT Ratios for the feeders?
- 4.7.3. Are they Double Busbar panels?
- 4.7.4. What protection is required on those 4 specific panels?

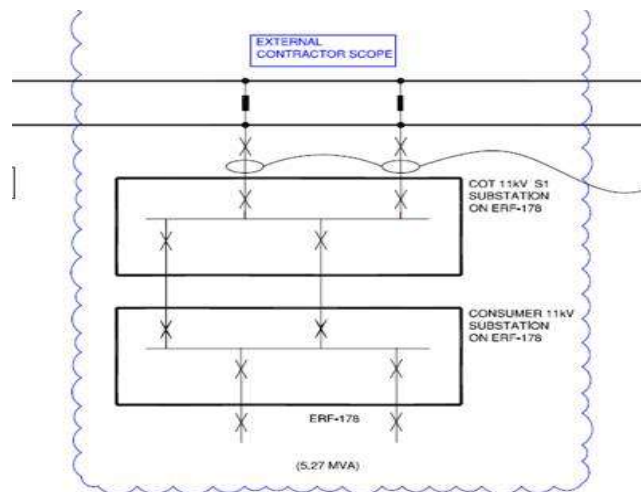
4.7.4.1. TASEZ Response: As noted on the tender & bill documents that Actom are the "only" preferred suppliers/manufacturer of the MV switchgear panels and are fully aware of the CoT standards requirement needed for these panels. It's the responsibility of the contractor to provide this information aligning with Actom as the preferred supplier/manufacturer.

4.7.4.2. Bidders are advised to speak to Actom.

4.8. The switchgear for S1 Substation Erf 4.

- 4.8.1. Does this switchgear have to be Actom switchgear as it is not connecting to an existing Actom board?
- 4.8.2. What are the amperages for the 8 panels?
- 4.8.3. What are the CT ratios required?
- 4.8.4. What protection is required in each panel type?
- 4.8.5. Are they 2 separate boards as per the image below with 4 incomers and 4 feeders?

4.8.5.1. TASEZ Response: As noted on the tender & bill documents that Actom are the "only" preferred suppliers/manufacturer of the MV switchgear panels and are fully aware of the CoT standards requirement needed for these panels. It's the responsibility of the contractor to provide this information aligning with Actom as the preferred supplier/manufacturer.



4.9. We would like to understand this formation regarding item No. 50 on the BOQ.

4.9.1. **TASEZ Response:** 8 cabinet MV panel to be approved & accepted by CoT Engineering departments (as per CoT standards), provided by the contractor (Actom).

4.9.1.1. Cabinet 1 and 2 will be used as customer feeders (summing cabinet 1 and 2 metering CTs).

4.9.1.2. Cabinet 3, 4, 5 and 6 are main incomers with VTs (Cabinet 4 and 5 will be spares).

4.9.1.3. Cabinet 7 and 8 are spare panels to customer.

4.10. For the BMK please provide specifications as we only have the specifications for the Mini-Substations, MV Switchgear and RMU. Unless the Mini-Sub specifications are for the BMK. Please then confirm the number of ways for the BMK and also the configuration for the RMU for the BMK.

4.10.1. Steelcor is a supplier of these units to City of Tshwane - As per the CoT specifications & accepted (manufactured) by Steelcor.

4.10.2. City of Tshwane side: Outdoor Metering Unit with an isolator, circuit breaker and isolator. Circuit breaker is the local supply the customer.

4.10.3. Must have a relay and the only switchgear used, is Schneider or T Good.

4.10.4. Customer side: T1 unit with a circuit breaker with relay supply from C.O.T

4.10.5. Outdoor Metering Unit and T1 Unit must be visible not too far from another.

4.10.6. 2m clearance around Outdoor Metering Unit.

4.10.7. **Bidders are advised to speak to Steelcor.**

4.11. We have the specification for the RMU's but with regards to the number of ways we need the following:

4.11.1. For the 3 ways, are all 3 ways Circuit Breakers or is it 1 CB and 2 Isolators? What are the configurations?

4.11.2. RMU:

4.11.2.1. 2 x isolators & 1 CB configuration.

4.11.2.2. Steelcor is a supplier of these units to City of Tshwane – Confirmation of above notes will be as per the CoT specifications & accepted (manufactured) by Steelcor.