

KZN028

Tender for Smart Split Meter Pole Top Distribution Boxes

Clarification Presentation

TECHNICAL



OVERVIEW:

The evaluations for this tender enquiry for the supply of smart split meter pole top boxes are meant for establishing if key tender deliverables and returnables are met.

In order to satisfy the technical requirements, the technical tender submission must satisfy the technical evaluation criteria for smart split meter pole top boxes as prescribed in **KZN22SGTC01**, this document defines the technical evaluation criteria that will be used in this CentralEast Cluster technical evaluation of smart split meter pole top boxes and provides an detailed overview of the CentralEast Cluster technical requirements for the different smart split meter pole top boxes and acts as an index to supplement the detailed design drawings and Eskom standard requirements.

APPLICABILITY:

The documents highlighted below shall apply to this tender:

- ★ a) “240-75659760” – Pole-Mounted service distribution boxes for split prepayment metering standard
- b) “D-DT-3055”
- c) “D-DT-1042”, “D-DT-1043”, “D-DT-1044”, “D-DT-1045”
- d) A&B Technical Schedules – refer to ‘KZN22SGTC01-AB#’
- e) Test report summary sheet” – refer to ‘KZN22SGTC01-C#’
- f) Technical deviation sheet” – refer to ‘KZN22SGTC01-D#’
- ★ g) “KZN22SGTC01” – Technical Evaluation Criteria for Smart Split Meter Pole Top Boxes

SCOPE:

This enquiry includes the requirements for smart split meter pole top boxes as per Table 1 below. Suppliers may tender for any single item, multiple items or all the items in Table 1, however suppliers will only be considered for those items tendered.

Table 1: Smart Split Meter Pole Top Box Options

Item no	Eskom SAP #	Product Description	Eskom D-DT
1	245949	BOX, POLE TOP SMART SPLIT METER, 2-WAY, 20A	D-DT-3055 & D-DT-1042
2	670228	BOX, POLE TOP SMART SPLIT METER, 2-WAY, 60A	D-DT-3055 & D-DT-1042
3	229922	BOX, POLE TOP SMART SPLIT METER, 4-WAY, 20A	D-DT-3055 & D-DT-1043
4	245950	BOX, POLE TOP SMART SPLIT METER, 4-WAY, 60A	D-DT-3055 & D-DT-1043
5	670312	BOX, POLE TOP SMART SPLIT METER, 6-WAY, 20A	D-DT-3055 & D-DT-1044
6	670315	BOX, POLE TOP SMART SPLIT METER, 6-WAY, 60A	D-DT-3055 & D-DT-1044
7	229921	BOX, POLE TOP SMART SPLIT METER, 8-WAY, 20A	D-DT-3055 & D-DT-1045

METHODOLOGY:

The technical evaluation for this tender will comprise of 3 stages:

- ☐ Stage 1: **Mandatory Gatekeeper Requirements**
- ☐ Stage 2: **Functional Scoring Requirements**
- ☐ Stage 3: **Factory Sample Evaluation**

Stage 1: **Mandatory Gatekeeper Requirements**

The tender submission must meet all the Stage 1 mandatory gatekeeper requirements in order to progress to the next stage.

Should the technical tender submissions fail to satisfy any of Stage 1 mandatory gatekeeper requirements, Eskom may terminate the evaluations immediately without reviewing all the requirements, and these tender submissions will be regarded as non-responsive and shall be disqualified.

A tender only fully complies with the stage 1 gatekeeper requirements if all the mandatory documents in the prescribed form are met, those that are compliant will proceed to stage 2 for further technical evaluation.

Stage 1: **Mandatory Gatekeeper Requirements**

Stage 1: GATEKEEPERS (paper evaluation only)			
<p>The tender submission that does not meet <i>all the stage 1 gatekeepers</i> for the item tendered will be <i>immediately disqualified</i>.</p> <p>Note: *No other version of the schedules or summary sheet will be accepted as evidence for technical evaluation of this tender except the schedules and summary sheet provided with this tender with '#' representing the numbers 1 to 7 to cater for each of the items required in this tender enquiry.</p>			
Task / Measure			
Activity	Clause	Acceptance	Comments
Completed A&B schedule submitted for each of the items tendered? *	KZN22SGTC01-AB#	Yes/No	
Completed test report summary sheet submitted for each of the items tendered? *	KZN22SGTC01-C#	Yes/No	
Completed deviation schedule submitted for each of the items tendered? *	KZN22SGTC01-D#	Yes/No	
Product technical drawings (with dimensions) submitted for each of the items tendered?		Yes/No	
If the prospective tenderer is not the OEM, did the tenderer submit a signed letter of the agreement between the OEM & the tenderer?		Yes/No Or N/A	



Stage 1: **Mandatory Gatekeeper Requirements**

e.g. tender for item 3

Document Classification: Controlled Disclosure

**TECHNICAL EVALUATION CRITERIA FOR
SMART SPLIT METER POLE TOP BOXES FOR
CENTRALEAST CLUSTER**

Unique Identifier: **KZN22SGTC01-AB3**

Revision: **1**

Technical A&B schedule (Item 3: SAP 229922)

ESKOM SAP NUMBER: 229922

ESKOM D-DT-3055 REV 23 & D-DT-1043 REV 1

PRODUCT DESCRIPTION: BOX, POLE TOP SMART SPLIT METER, 4-WAY, 20A

Item	Sub-clause of 240-7569760	Description	Schedule A	Schedule B
		3) Height (min) mm	300	
		4) Width (min) mm	400	
		5) Depth (min) mm	120	

Stage 1: **Mandatory Gatekeeper Requirements**

e.g. tender for item 3

Document Classification: Controlled Disclosure

TECHNICAL EVALUATION CRITERIA FOR SMART SPLIT METER POLE
TOP BOXES FOR CENTRALEAST CLUSTER

Unique Identifier:

KZN22SGTC01-C3

Revision:

1

Test Report Summary Sheet (Item 3: SAP 229922)

ESKOM SAP NUMBER: 229922 (D-DT-3055 & D-DT-1043)

PRODUCT DESCRIPTION: BOX, POLE TOP SMART SPLIT METER, 4-WAY, 20A

ESKOM ENQUIRY NUMBER:			
PRODUCT MANUFACTURER:		PRODUCT CODE:	
TENDERER NAME:		TENDERER REPRESENTATIVE:	
TENDERER SIGNATURE:		DATE:	

Test		Report no.	Test Facility	Comments	Report submitted (Y/N)
1.	Resistance to impact				
2.	Degree of protection				
3.	Temperature rise				
4.	Fire retardation				

e.g. tender for item 3

Revision: 1

[illegible]

Stage 1: **Mandatory Gatekeeper Requirements**

For the A&B technical schedules, test report summary sheet and technical deviation sheet refer to the technical pack templates and ensure that these are completed fully and submitted before tender close for each of the items tendered.

In addition, the specific product technical drawings with dimensions must be submitted for each of the items tendered.

Where the prospective tenderer is not the OEM, the tenderer must provide a signed letter of the agreement between the OEM & the tenderer.

Stage 2: **Functional Scoring Requirements**

The technical evidence and returnables for Stage 2 must be contained in the “**Technical File**” of the tender submission.

During stage 2, the technical evidence or returnables submitted are evaluated against the clause-by-clause requirements for scoring, and a score is allocated per requirement that has been met.

For example, clause 3.1.3.5 from standard 240-75659760 has 4 requirements with a weighting of 4%. If only 2 requirements are met, a score of 2% will be allocated for that item. i.e. $2/4 * 4\% = 2\%$.

Stage 2: Functional Scoring Requirements

Stage 2: SCORING (paper evaluation only)			
Activity	Clause reference: 240-75659760	Weighting	Score
Technical requirements			
1. Does the smart split meter pole top box comply with the requirements of NRS 032?	3.1	2%	
2. Does the smart split meter pole top box comply to the applicable requirements for service distribution boxes?	3.1.1	2%	
3. Does the smart split meter pole top box enclosure comply to the requirements?	3.1.2	5%	
4. Does the material used comply to the requirements?	3.1.2.1	3%	
5. Does the miniature circuit breaker used comply to the requirements?	3.1.3.1	5%	
6. Does the busbars used comply to the requirements?	3.1.3.2	3%	
7. Does the surge arresters used comply to the requirements?	3.1.3.3	2%	
8. Does the power cables used comply to the requirements?	3.1.3.4	2%	
9. Does the internal wiring comply to the requirements?	3.1.3.5	4%	
10. Does the cable glands used comply to the requirements	3.1.3.6	1%	
11. Does the smart split meter pole top box comply with the requirements?	3.1.3.7	1%	
12. Do the items comply with the marking, labelling & packaging requirements	3.3	10%	
Total technical requirements score to the requirements of standard 240-75659760:		40%	

Stage 2: Functional Scoring Requirements

Stage 2: SCORING (paper evaluation only)			
Activity	Clause reference: 240-75659760	Weighting	Score
Tests must not be older than 10 years			
13. Resistance to impact type test	3.2	12%	
14. Degree of protection type test	3.2	12%	
15. Temperature rise type test	3.2	12%	
16. Fire retardation type test	3.2	12%	
17. Routine tests completed	3.2	12%	
Total type test score to the requirements of standard 240-75659760:		60%	
Final score to the standard of 240-75659760: Technical requirements + Test requirements score (40% + 60%):		100%	

Stage 2: **Functional Scoring Requirements**

Tenderers need to score a **minimum of 80%** for the item(s) in Stage 2 in order to be considered for a Stage 3 factory sample evaluation.

Those tenderers that do not meet the 80% threshold will be disqualified and will not be evaluated further.

Stage 3: **Factory Sample Evaluation**

The factory sample evaluation is performed at the OEM premises to assess the manufacturing capability in order to supply the required product against Eskom's technical requirements.

Please note that the factory evaluation is not confirmation or a guarantee that any contract will be entered into by Eskom and the tenderer.

Eskom commercial representative will coordinate the visit to the factory with the qualifying tenderers that have met the 80% minimum threshold. Please note that non-responsiveness over 2 calendar weeks will be regarded as non-responsive and will be disqualified.

Stage 3: **Factory Sample Evaluation**

At the factory, the Eskom evaluation representative(s) conducts the evaluation using the checklists & evaluation documents. These checklists are used to verify compliance to the product specification and the tender submission documents.

At the end of this exercise, the Eskom evaluation representative(s) lists all the deviations. The tenderer will then be required to respond to the findings in writing and/or with samples and/or other supporting evidence.

Stage 3: **Factory Sample Evaluation**

Evaluation of resellers, distributors, agents or third parties (not OEM)...?

Those tenderers that attained a minimum score of 80% in Stage 2 and who are not the Original Equipment Manufacturer (OEM) (i.e. a reseller, redistributor, agents or third parties) of the tendered product must attend a virtual meeting with Eskom, either via Microsoft Teams or alternative, to gauge the compliance of the products tendered as well as the tenderers involvement in the supply of these products to Eskom.

An assessment of the tenderer's premises may be performed at Eskom's discretion to corroborate above. Eskom commercial representative will coordinate with prospective tenderers.

Stage 3: **Factory Sample Evaluation**

Resolution of Findings

The time allowed for resolving the technical deviations will be 2 calendar weeks from the date of communication of the requirements from Eskom's commercial representative.

A response is to be received no later than the deadline stipulated. Eskom will engage the tenderer prior to issuing the communication to clarify the expectations and details of the return and response required. The tenderer may request further interim engagements with Eskom where further clarity is required. However, if the requirements are not satisfied at the time of the deadline stipulated, the supplier will be disqualified.

Post Contract – First Batch Assessment

After a contract has been entered into with Eskom CentralEast Cluster, an assessment of the first batch shall be performed by Eskom's technical representative at the OEM or supplier premises prior to dispatch to Eskom.

This is to confirm compliance to the requirements and release of goods to Eskom, however, should any deviation or finding be identified this may be suspended pending resolution of any non-conformance(s).

Questions?

Thank you...