

The technical evaluation strategy as indicated in this document shall apply for this tender, this technical evaluation criteria is supplemented by Eskom document 240-92934300.

Item required: 0215204 - COND, ABC 3C XLPE 70SQ INS NEUT D3141

1. The technical tender submissions are required to comply with the Eskom Standard 240-84758170, Aerial bundled conductors with bare or insulated neutral supporting conductor.
2. Compliant Type Tests and Routines as per 240-84758170 and SANS 1418-2 **for this item specifically** will be required for the desktop evaluation.

The technical tender strategy will consist of the following sections:

1. Level 1 – Mandatory Gatekeepers (Part A) & Functional Scoring (Part B)
2. Level 2 – Technical Scoring requirements (combination of paper, factory & factory sample evaluation)

The tenderer documentation submission must meet all the Level 1 Mandatory Gatekeeper (Part A) requirements to proceed to Functional scoring (Part B). Immediate disqualification during the Level 1 Mandatory gatekeepers (Part A) technical evaluation stage will mean that Eskom will be allowed to stop the technical evaluations without concluding the review of all the other level 1 mandatory gatekeepers (Part A) requirements not yet reviewed, any further review of the Level 1 mandatory gatekeepers (Part A) requirements will be at the discretion of Eskom.

The Level 1 Functional Scoring (Part B) threshold of 80% is required to advance to the Level 2 Technical Scoring requirements. Failure to meet the functional scoring (Part B) threshold requirement shall result in disqualification.

Where the tenderer has satisfied Level 1 Mandatory Gatekeeper (Part A) and successfully met the Functional Scoring (Part B) threshold of 80%, a corresponding factory and factory sample evaluation at the applicable manufacturer's premises shall be conducted at Eskom's discretion in accordance with 240-92934300 (clause 3.2 and 3.3) Technical Evaluation Criteria for LV ABC with Bare or Insulated Supporting Neutral.

The Level 1 Functional Scoring (Part B) shall constitute a total of 80% of the final technical evaluation score, while the Level 2 technical scoring requirements constitutes the remaining 20% of the final technical evaluation score.

i.e. the final technical evaluation score = 80% (Level 1 Function Scoring (Part B) requirements) + 20% (level 2 Technical Scoring requirements (combination of paper, factory & factory sample evaluation))

Once all levels of the technical evaluation strategy (i.e., mandatory gatekeepers, functional scoring, paper/documentation, factory, and factory sample evaluations) is completed, the technical evaluation result achieved will be the final technical evaluation score and corresponding outcome.

Note: Only a 100% combined score achieved for the Level 1 Functional Scoring (Part B) and the Level 2 technical requirements will demonstrate full product compliance and result in a compliant outcome. If all the Level 1 & Level 2 requirements are met a technical evaluation score of 100% shall be achieved, any score lower than 100% will be deemed non-compliant and shall not be considered further as part of the technical evaluation.

Level 1 - Mandatory Gatekeepers (Part A):

Criteria	Standard/clause	Mandatory Evaluation (Part A) Result (Y/N)
1. Is a full list as well as complete English copies of type test reports as per the specification requirements submitted? (see Annexure: Table 1)	N/A	
2. Are technical schedules B completed in the provided excel format and submitted?	Technical A&B Schedules	
3. Are Product Codes submitted?	Technical A&B Schedules	
4. Are Conductor dimensional data and construction drawings including thickness of the dielectric submitted?	SANS 1418 and 240-84758170	
5. Is the insulation piercing test submitted?	CENELEC HD 626 S1	
6. Are Type Test reports (performed at an accredited Test facility) in accordance with Eskom's requirements submitted?	240-84758170	
7. Is evidence submitted showing that the marking of the cores is in accordance with Eskom's standard? Note: There shall be an "ESKOM" mark indented or embossed on the phase and supporting core.	240-84758170	
8. Is evidence submitted showing the manufacturer is a valid SABS permit holder for manufacturing to SANS 1418? Note: A valid permit or related letter from SABS shall be provided.	D-DT 3141	

Note:

For the Mandatory Gatekeeper (Part A) evaluation:

- If any of the above criteria is not satisfied ("N" result) in the technical submission, then the supplier will be disqualified as part of the Mandatory Gatekeeper (Part A) evaluation and the submission will not be evaluated further.

Level 1 - Functional Scoring (Part B):

Criteria	Standard/clause	Functional Scoring (Part B) Compliant (Y/N)	Weight
1. Is the full list of type test reports submitted compliant with the specification requirements? (see Annexure: Table 1)	N/A		10%
2. Are Product Codes submitted compliant?	Technical A&B Schedules		10%
3. Are Conductor dimensional data and construction drawings including thickness of the dielectric submitted compliant?	SANS 1418 and 240-84758170		10%
4. Is the insulation piercing test submitted compliant?	CENELEC HD 626 S1		15%
5. Are the Type Test reports (performed at an accredited Test facility) submitted compliant with Eskom's requirements?	240-84758170		15%
6. Is the evidence submitted showing that the marking of cores is compliant with Eskom's standard requirements? Note: There shall be an "ESKOM" mark indented or embossed on the phase and supporting core.	240-84758170		10%
7. Is the evidence submitted showing that the manufacturer is a valid SABS permit holder for manufacturing to SANS 1418? Note: A valid permit or related letter from SABS shall be provided to be deemed compliant.	D-DT 3141		10%

Note:

The Level 1 Functional Scoring (Part B) threshold of 80% is required to advance to the Level 2 Technical Scoring requirements. Failure to meet the functional scoring (Part B) threshold requirement shall result in disqualification, and the submission will not be evaluated further.

Level 2 –Technical Scoring Requirements:

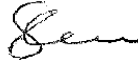

Level 2 scoring/rating - (only submission that passes Level 1)			
Routine testing and type testing Weight: 4			
Criteria	Clause	Weight	Score
Were type tests performed in the last 10 years? Test reports submitted	SANS 1418	1	
Are all tests reports/certificate in table 1 (see annexure) submitted?	Technical Criteria	1	
Insulation piercing test submitted	240-84758170	1	
Carbon black dispersion test submitted	240-84758170	1	
<ul style="list-style-type: none"> For Type testing performed within the last 10 Years supplier gets 100% and loses 20 % for each additional year. For the routine test certificate or report supplier gets 100 % if all requirements as per SANS included, and loses 20% for each missing requirement Insulation piercing test and Carbon black dispersion test submitted, supplier gets 100% 		Total	/4
Technical schedules Weight: 5 Total			
Criteria	Clause	Weight	Score
Correctness of completion i.e. no "TBA", "Comply", "Noted", "supplied later" ("Noted" acceptable only when Eskom informs), completed technical schedule	Technical A&B schedules	2.5	
Completed Table 1 (see annexure)	Technical criteria	2.5	
NB: The technical schedules B that must be completed are provided in excel format. <ul style="list-style-type: none"> Negative marking is done and a penalty of 2 % is applicable for each incorrect completion deviation. Negative marking is done and a penalty of 3 % is applicable for each deviation from meeting Eskom specification and deviations. 		Total	/5
Drawings Weight: 6			
Criteria	Clause	Weight	Score
Drawing number		0.3	
Revision number		0.3	
Dimensions		0.3	
Detailed description provided in "Title".		0.3	
Approved & date drawings		0.3	
Complete legend		0.3	
Marking of phase cores drawing		1.0	
Marking of insulated neutral core drawing		0.6	
Marking of the auxiliary core		0.6	
All conductor cores indicated		1.0	
Complete labelling of all conductors		1.0	
The tenderer loses the applicable weight for findings identified to above drawings criteria		Total	/6

Packaging Weight: 5			
Criteria	Clause	Weight	Score
Are LV ABC drums manufactured in accordance with Eskom specification	240-84758170	3	
Is Marking of LV ABC drum done in accordance with Eskom specification	240-84758170	2	
Negative marking is applied, and supplier loses 10% for each deviation from Eskom's specification.		Total	/5

Annexure: Table 1 – see Table 3: Test requirements in 240-84758170 for references

TEST	REPORT NO	FACILITY	COMMENTS
Conductor resistance			
Voltage withstand			
Resistance of dielectric			
Impulse			
HV withstand			
Inspection tests			
Compliance with dimensions			
Adherence of dielectric to conductor of supporting core			
Carbon black content			
Breaking force of supporting and phase conductor			
Tensile strength of supporting conductor wires			
Performance of supporting cores			
Dielectric shrink-back at high temperature			
Carbon black dispersion (type test)			
Insulation piercing test (type test)			

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