

Enquiry No.: \_\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Tenderers Name: \_\_\_\_\_

A &amp; B Schedule

## Technical Schedules A and B for HOLDER, FUSE: 1kV; 160A; NH00 DIN

**Schedule A: Purchasers specific requirements****Schedule B: Guarantees and technical particulars of equipment offered**

1	2	3	4
Item	Description	Schedule A	Schedule B
<b>1</b>	<b>Product Information</b>		
<b>1.1</b>	<b>• Purchasing details</b>		
1.1.1	Eskom SAP No	<b>0165096</b>	xxxxxxxxxx
1.1.2	Manufacturer's Name	xxxxxxxxxx	
1.1.3	Manufacturer's Product Code	xxxxxxxxxx	
1.1.4	Manufacturer's Drawing number & Revision number	xxxxxxxxxx	
1.1.5	Manufacturer's Physical identification mark on product	xxxxxxxxxx	
1.1.6	Compliance to all dimensions and requirements of Eskom D-DT 3182 Buyer's Guide drawing	YES	
1.1.7	Item sample required, upon request from Eskom. (As per the Technical Criteria Document)	IF REQUIRED	xxxxxxxxxx
<b>1.2</b>	<b>• Mechanical Properties</b>		
1.2.1	Material Grade	S355JR	
1.2.2	Does the fuse holder comply with SANS 60947-3	YES	
1.2.3	Does the fuse holder comply with all specific characteristics 4.1.2	YES	
<b>1.3</b>	<b>• Climatic Conditions</b>		
1.3.1	Does the fuse holder comply with the ambient air temperatures listed in 240-75660476 Max: 45°C Min: -15°C Ave Mean: 25°C	YES	
1.3.2	Altitude above sea level 1800m	YES	
1.3.3	Does the fuse holder withstand lightning conditions up to 14 strikes / km <sup>2</sup> / year	YES	
1.3.4	Does the fuse holder withstand atmospheric conditions listed in 240-75660476	YES	
1.3.5	Prolonged exposure to solar radiation	YES	
1.3.6	IP Rating	IP23	
<b>1.4</b>	<b>Construction</b>		
1.4.1	Is the fuse holder consisted of two parts: The upper housing and the lower, detachable, hinged housing?	YES	
1.4.2	Is the fuse holder constructed in such a way that the conductor slopes downward away from the fuse holder?	YES	
1.4.3	Does the fuse holder have holes for drainage?	YES	
1.4.4	Does the fuse holder have any additional removable hoods or covers	XXXXX	
1.4.5	Fuse holder shall have a life cycle of at least 15 years. Are special steps taken to ensure this life provided?	YES	
1.4.6	Precautions shall be taken to ensure that no accidental electrical connection can arise between the external conductive parts of the fuse holder and a live conductor	YES	
<b>1.5</b>	<b>Disassembly</b>		
1.5.1	Is it possible to open the fuse holder, remove and replace the lower housing using a link stick with a standard disconnect attachment	YES	
1.5.2	Are the steps in Annex B to taken ensure ease of opening, removal and replacement of the lower housing	YES	
1.5.3	Are the closed and open positions of the unit clearly visible from ground level with the unit mounted at 9 m above ground	YES	
1.5.4	Does the fuse holder have a fuse-blown indicator? Does the indicator face downwards i.e. towards the ground	YES	
<b>1.6</b>	<b>Electrical or Functionality</b>		
1.6.1	160A Fuse holder shall accept NH00 fuse	YES	
1.6.2	Are all metallic parts of the fuse holder electrochemically compatible with the following: Each other, contacts of the fuse link, aluminium conductor and copper conductor	YES	
1.6.3	Did the fuse holder pass temperature rise and overload tests? Is the watt loss clearly marked on the fuse holder?	YES	

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<b>1.7</b>	<b>Terminals or Connectors</b>		
1.7.1	Are the terminals standard screw-in pillar type	YES	
1.7.2	Do the terminals for 160 A fuse holder accept Al conductors for 16 mm <sup>2</sup> to 70 mm <sup>2</sup>	YES	
1.7.3	Do the terminals for 400 A fuse holder accept Cu conductors for 70 mm <sup>2</sup> to 185 mm <sup>2</sup> on the outgoing terminals and ACSR conductors on incoming terminal	N/A	
1.7.4	Does screw-in pillar type comply with SANS 1433-1	YES	
1.7.5	Do terminals have anti-corrosive properties	YES	
1.7.6	Are two bolts used? If yes, is the method of tightening not detrimental to the terminal	XXXXX	
1.7.7	Are terminal bolts standard hexagonal heads? Are M13 bolt heads use?	XXXXX	
1.7.8	It shall not be possible to insert the conductor too far into the unit such that it interferes with the fuses	YES	
1.7.9	There shall be one incoming and two outgoing terminals for both 160A and 400A fuse holders	YES	
<b>1.8</b>	<b>Fire Resistance</b>		
1.8.1	Are the proofs of open flame and glow wire test provided	YES	
<b>1.9</b>	<b>Resistance to impact</b>		
1.9.1	Resistance to impact done in accordance with IEC 60817	YES	
<b>1.10</b>	<b>Resistance to solvents / environmental corrosion</b>		
1.10.1	Fuse holders constructed with materials that have an acceptable resistance to weathering	YES	
1.10.2	Is the corrosion resistance test done in accordance with SANS 9227	YES	
<b>2</b>	<b>Documentation (to be submitted with tender)</b>		
	<b>Note: All documentation to be provided in electronic format.</b>		
<b>2.1</b>	<b>General</b>		
2.1.1	Manufacturers drawings of item Sets	1	
2.1.2	Material grade certification Certification submitted	YES	
<b>2.2</b>	<b>Test Reports (where applicable)</b>	<b>Required</b>	<b>Report Number</b>
2.2.1	Verification of general construction requirements (SANS 60947-3 and 240-75660476) Test report submitted	YES	
2.2.2	Resistance to abnormal heat and fire (IEC 60695-2-1) Test report submitted	YES	
2.2.3	Degree of protection - IP rating (SANS 60947-1 and SANS 60529) Test report submitted	YES	
2.2.4	Terminal tests - Conductor fit, Damage to conductors by clamping means, Firmness of clamping, Firmness of attachment of terminal to support (SANS 1433-1) Test report submitted	YES	
2.2.5	Resistance to impact (IEC 60817 and 240-75660476) Test report submitted	YES	
2.2.6	Resistance to corrosion - salt spray corrosion test (SANS 9227) Test report submitted	YES	
2.2.7	Ultra Violet stability (EN ISO 4892-3) Test report submitted	YES	
2.2.8	Marking supply and load sides (ASNS 60947-3 and 240-75660476) Test report submitted	YES	

**NOTE: DEVIATION SCHEDULE CONTINUE ON NEXT PAGE.**

**IF NO DEVIATIONS ARE MENTIONED ON THE DEVIATION SCHEDULE IT WILL BE ACCEPTED THAT THE SUPPLIER AND MANUFACTURER FULLY COMPLIES WITH THE REQUIREMENTS OF THE ESKOM SPECIFICATION(S).**

**SUPPLIER SIGNATURES**

_____ Name (Print)	_____ Company Name
_____ Sign	_____ Date

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A &amp; B Schedule

**Test Report Schedule D-DT 3182 - NH Fuses (Insert item description below)**

<b>Description:</b> _____			
<b>SAP No:</b> _____ <b>(To be specified)</b>			
1	2	3	4
<b>Item</b>	<b>Description</b>	<b>Test</b>	<b>Specification</b>
2.1.2	Material grade certification	Type	240-75883830
2.2.1	Verification of general construction requirements		SANS 60947-3 and 240-75660476
2.2.2	Resistance to abnormal heat and fire		IEC 60695-2-1
2.2.3	Degree of protection - IP rating		SANS 60947-1 and SANS 60529
2.2.4	Terminal tests - Conductor fit, Damage to conductors by clamping means, Firmness of clamping, Firmness of attachment of terminal to support		SANS 1433-1
2.2.5	Resistance to impact		IEC 60817 and 240-75660476
2.2.6	Resistance to corrosion - salt spray corrosion test		SANS 9227
2.2.7	Ultra Violet stability		EN ISO 4892-3
2.2.8	Marking supply and load sides		SANS 60947-3 and 240-75660476

**SUPPLIER SIGNATURES**\_\_\_\_\_  
**Name (Print)**\_\_\_\_\_  
**Company Name**\_\_\_\_\_  
**Sign**\_\_\_\_\_  
**Date**

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