## **TECHNICAL EVALUATION CRITERIA**

## 1. Mandatory Technical Criteria

Submit the completed and signed deviation schedule:

ECOU Deviation Schedule for Informal Tenders\_rev1\_2019,

Specifically referencing **D-DT 3034**, **SAP 0165306**, **MCCB**, **150A 400V 20kA**, stating if there are any deviations to the specified requirements.

If the product is fully compliant, then state "No Deviations" on the Deviation Schedule.

Ensure the OEM product code is stated.

<u>Evaluation requirement</u>: If this document is not submitted, the tenderer will be disqualified at this stage.

## 2. Objective Technical Criteria

The following documents shall be submitted:

- 2.1. Completed Technical Schedules (complete "Schedule B" column)
  The bidder is required to submit all the information required and the document must be correctly completed. Any gaps (blanks), TBA, and similar remarks will render the document incomplete.
- 2.2. Manufacturer's Drawings showing dimensions and markings
- 2.3. Verification schedule of test reports
- 2.4. The following Test Reports:
  - Visual examination (SANS 61284)
  - Dimensional and material verification (SANS 61284)
  - Tripping curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632)
  - Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632)
  - Rupturing Capacity of 5kA (SANS 60947-1/2, 240-130277632)
  - SABS permit to apply SABS mark (VC 8036, 240-130277632)

Evaluation requirement: 100% compliance

	le A:	MCCB, 150A 400V 2 Purchasers specific requirements	_ · · -		
Schedu		Guarantees and technical particulars of equipment offer	ered		
1		2		3	4
Item		Description		Schedule A	Schedule B
				Scriedule A	Scriedule B
1	Pro	oduct Information			
1.1	•	Purchasing details		0405000	
1.1.1		Eskom SAP No		0165306	xxxxxxxxx
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 1.1.6		Manufacturer's Physical identification mark on product Compliance to all dimensions and requirements of Eskom	D-DT 3034	YES	
1.1.7		Buyer's Guide drawing Item sample required, upon request from Eskom. (As per the Technical Criteria Document)		IF REQUESTED	xxxxxxxxx
4.0		Florida December 1			
1.3	•	Electrical Properties - DDT 3034, SANS60947-1/2		400.17	
1.3.1		Rated Voltage		400 V 150 A	
1.3.2 1.3.3		Rated Current Number of Poles		150 A 3	
1.3.3 1.3.4		Usable as a disconnector		YES	
1.3.4		Operating Mechanism		Electronic/	
1.3.5		Operating internation		Hydraulic	
				magnetic	
1.3.6		Temperature Rating		40° C	
1.3.7		Tripping curve	-	Standard	
1.3.8		Rated interrupting Capacity at 400V AC		20kA	
1.3.9		Electronically settable		YES	
1.3.10		J25S or equivalent		YES	
1.3.10		Flash barriers on line and load sides		YES	
2	De			163	
_		cumentation (to be submitted with tender)			
2.1	NO	te: All documentation to be provided in electronic formation General	ı		
2.1.1	1	Outline drawings of item	Sets	1	
		Country Creatings of Item	000	1	
2.2	•	Test Reports		Required	Report Number
2.2.1		Visual examination (SANS 61284 clause 7)	Test Report	YES	
2 2 2		Dimensional 8 marketist maifes their (CANIC CARRA Sterre	Submitted	VEC	
2.2.2		Dimensional & material verification (SANS 61284 clause 8	Test Report Submitted	YES	
		& D-DT-3083)			
		Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-	Test Report	YES	
2.2.3		Tripping Curves showing upper and lower limits of the	Test Report Submitted Test Report	YES	
		Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632) Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632)	Submitted Test Report Submitted	YES	
2.2.3		Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632) Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632) Rupturing Capacity of 20kA (SANS 60947-1/2, 240-130277632)	Submitted Test Report	YES YES	
2.2.3		Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632) Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632) Rupturing Capacity of 20kA (SANS 60947-1/2, 240-	Submitted Test Report Submitted Test Report	YES YES YES	
2.2.3 2.2.4		Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632) Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632) Rupturing Capacity of 20kA (SANS 60947-1/2, 240-130277632) SABS permit to apply SABS mark (VC 8036, 240-130277632)  Marking - SANS 60947-2, to be concurred with the Visu	Submitted Test Report Submitted Test Report Submitted Certificate	YES YES YES	
2.2.3 2.2.4 <b>3</b>		Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632)  Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632)  Rupturing Capacity of 20kA (SANS 60947-1/2, 240-130277632)  SABS permit to apply SABS mark (VC 8036, 240-130277632)  Marking - SANS 60947-2, to be concurred with the Visu Examination, 2.2.1.	Submitted Test Report Submitted Test Report Submitted Certificate	YES YES YES	
2.2.3 2.2.4 3 3.1		Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632)  Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632)  Rupturing Capacity of 20kA (SANS 60947-1/2, 240-130277632)  SABS permit to apply SABS mark (VC 8036, 240-130277632)  Marking - SANS 60947-2, to be concurred with the Visu Examination, 2.2.1.	Submitted Test Report Submitted Test Report Submitted Certificate	YES YES YES YES	
2.2.3 2.2.4 3 3.1 3.2		Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632)  Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632)  Rupturing Capacity of 20kA (SANS 60947-1/2, 240-130277632)  SABS permit to apply SABS mark (VC 8036, 240-130277632)  Marking - SANS 60947-2, to be concurred with the Visu Examination, 2.2.1.  Manufacturers name or trademark  Voltage Rating	Submitted Test Report Submitted Test Report Submitted Certificate	YES YES YES YES YES	
2.2.3 2.2.4 3 3.1 3.2 3.3		Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632) Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632) Rupturing Capacity of 20kA (SANS 60947-1/2, 240-130277632) SABS permit to apply SABS mark (VC 8036, 240-130277632)  Marking - SANS 60947-2, to be concurred with the Visue Examination, 2.2.1. Manufacturers name or trademark Voltage Rating Current Rating	Submitted Test Report Submitted Test Report Submitted Certificate	YES YES YES YES YES YES YES	
2.2.3 2.2.4 3 3.1 3.2 3.3 3.4		Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632) Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632) Rupturing Capacity of 20kA (SANS 60947-1/2, 240-130277632) SABS permit to apply SABS mark (VC 8036, 240-130277632)  Marking - SANS 60947-2, to be concurred with the Visu Examination, 2.2.1. Manufacturers name or trademark Voltage Rating Current Rating Suitable for isolation symbol	Submitted Test Report Submitted Test Report Submitted Certificate	YES YES YES YES YES YES YES YES YES	
2.2.3 2.2.4 3 3.1 3.2 3.3 3.4 3.5		Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632) Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632) Rupturing Capacity of 20kA (SANS 60947-1/2, 240-130277632) SABS permit to apply SABS mark (VC 8036, 240-130277632)  Marking - SANS 60947-2, to be concurred with the Visu Examination, 2.2.1. Manufacturers name or trademark Voltage Rating Current Rating Suitable for isolation symbol Limiting non-actuating time	Submitted Test Report Submitted Test Report Submitted Certificate	YES	
2.2.3 2.2.4 3 3.1 3.2 3.3 3.4 3.5 3.6		Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632) Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632) Rupturing Capacity of 20kA (SANS 60947-1/2, 240-130277632) SABS permit to apply SABS mark (VC 8036, 240-130277632)  Marking - SANS 60947-2, to be concurred with the Visu Examination, 2.2.1. Manufacturers name or trademark Voltage Rating Current Rating Suitable for isolation symbol Limiting non-actuating time Value or range of rated frequency	Submitted Test Report Submitted Test Report Submitted Certificate	YES	
2.2.3 2.2.4 3 3.1 3.2 3.3 3.4 3.5 3.6 3.7		Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632)  Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632)  Rupturing Capacity of 20kA (SANS 60947-1/2, 240-130277632)  SABS permit to apply SABS mark (VC 8036, 240-130277632)  Marking - SANS 60947-2, to be concurred with the Visu Examination, 2.2.1.  Manufacturers name or trademark  Voltage Rating  Current Rating  Suitable for isolation symbol  Limiting non-actuating time  Value or range of rated frequency  Line and Load Terminals	Submitted Test Report Submitted Test Report Submitted Certificate	YES	
2.2.3 2.2.4 3 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8		Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632)  Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632)  Rupturing Capacity of 20kA (SANS 60947-1/2, 240-130277632)  SABS permit to apply SABS mark (VC 8036, 240-130277632)  Marking - SANS 60947-2, to be concurred with the Visu Examination, 2.2.1.  Manufacturers name or trademark  Voltage Rating  Current Rating  Suitable for isolation symbol  Limiting non-actuating time  Value or range of rated frequency  Line and Load Terminals  IEC 60947-2	Submitted Test Report Submitted Test Report Submitted Certificate	YES	
2.2.3 2.2.4 3 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 3.9		Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632)  Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632)  Rupturing Capacity of 20kA (SANS 60947-1/2, 240-130277632)  SABS permit to apply SABS mark (VC 8036, 240-130277632)  Marking - SANS 60947-2, to be concurred with the Visu Examination, 2.2.1.  Manufacturers name or trademark  Voltage Rating  Current Rating  Suitable for isolation symbol  Limiting non-actuating time  Value or range of rated frequency  Line and Load Terminals	Submitted Test Report Submitted Test Report Submitted Certificate	YES	
2.2.3 2.2.4 3 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 3.9	NO E	Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632)  Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632)  Rupturing Capacity of 20kA (SANS 60947-1/2, 240-130277632)  SABS permit to apply SABS mark (VC 8036, 240-130277632)  Marking - SANS 60947-2, to be concurred with the Visu Examination, 2.2.1.  Manufacturers name or trademark  Voltage Rating  Current Rating  Suitable for isolation symbol  Limiting non-actuating time  Value or range of rated frequency  Line and Load Terminals  IEC 60947-2	Submitted  Test Report Submitted  Test Report Submitted  Certificate  al  BE ACCEPTED ESKOM SPECII	YES	
2.2.3 2.2.4 3 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 3.9	NO E	Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632)  Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632)  Rupturing Capacity of 20kA (SANS 60947-1/2, 240-130277632)  SABS permit to apply SABS mark (VC 8036, 240-130277632)  Marking - SANS 60947-2, to be concurred with the Visu Examination, 2.2.1.  Manufacturers name or trademark  Voltage Rating  Current Rating  Current Rating  Suitable for isolation symbol  Limiting non-actuating time  Value or range of rated frequency  Line and Load Terminals  IEC 60947-2  SABS Mark  ON SCHEDULE CONTINUE ON NEXT PAGE.  EVIATIONS ARE MENTIONED ON THE DEVIATION SCHEDULE IT WILLANUFACTURER FULLY COMPLIES WITH THE REQUIREMENTS OF THE	Submitted  Test Report Submitted  Test Report Submitted  Certificate  al  BE ACCEPTED ESKOM SPECII	YES	
2.2.3 2.2.4 3 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 3.9	NO E	Tripping Curves showing upper and lower limits of the breaker's tripping characteristic (SANS 60947-1/2, 240-130277632)  Discrimination with a 20A standard curve for a prospective fault current of up to 1000A (SANS 60947-1/2, 240-130277632)  Rupturing Capacity of 20kA (SANS 60947-1/2, 240-130277632)  SABS permit to apply SABS mark (VC 8036, 240-130277632)  Marking - SANS 60947-2, to be concurred with the Visu Examination, 2.2.1.  Manufacturers name or trademark  Voltage Rating  Current Rating  Current Rating  Suitable for isolation symbol  Limiting non-actuating time  Value or range of rated frequency  Line and Load Terminals  IEC 60947-2  SABS Mark  ON SCHEDULE CONTINUE ON NEXT PAGE.  EVIATIONS ARE MENTIONED ON THE DEVIATION SCHEDULE IT WILLANUFACTURER FULLY COMPLIES WITH THE REQUIREMENTS OF THE	Submitted  Test Report Submitted  Test Report Submitted  Certificate  al  BE ACCEPTED ESKOM SPECII	YES	