

Bid Document

Bid Details	
Bid End Date/Time	23-07-2020 18:00:00
Bid Opening Date/Time	23-07-2020 18:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Coal
Department Name	Materials Management
Organisation Name	South Eastern Coalfields Limited
Office Name	Sec1 Bilaspur Cg
Total Quantity	15
Item Category	Vacuum Circuit Breakers - Indoor type
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Vacuum Circuit Breakers - Indoor Type (15 pieces)

Technical Specifications

* As per GeM Category Specification

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	High-Voltage Alternating-Current Circuit-Breakers (Vacuum Circuit Breakers) generally conforming to	IS 13118 (1991): latest	*
	Class	Indoor	*
	Design and construction as per Cl. 5 of IS:13118:1991 latest	Gas filled	Gas filled
	Type	"3 Pole circuit-breakers for use in 3 phase systems"	"3 Pole circuit-breakers for use in 3 phase systems"
	Rated voltage (in kV)	3.6	3.6, 7.2, 12, 17.5, 22, 24, 36, 52, 72.5
	"Rated insulation level - Rated short-duration power-frequency withstand voltage (in kV)"	10	10, 20, 28, 38, 50, 55, 70, 95, 140
	"Rated insulation level - Rated lightning impulse withstand voltage (in kV)"	40	20, 40, 60, 75, 95, 125, 145, 170, 250, 325
	Rated frequency	50 Hz	*
	Rated normal current (in ampere)	1250	1250
	Rated short-time withstand current (in kA)	10	*
	Rated peak withstand current (in kA)	20	*
	"Rated duration of short circuit (for circuit-breakers not fitted with direct over-current release) "	1 sec	*
	"Rated supply voltage of closing and opening devices and of auxiliary circuits "	415 V (+10%, -15%) 3 phase	DC : 48V, DC: 24V, 110V (+/-10%), 220 V (+/-10%) 2wire DC supply, AC 3 Phase 3 Wire: 230/400V, AC 1 Phase 2 wire: 230V,

			240 V (+10%, -15%)1 phase, 415 V (+10%, -15%) 3 phase
	Rated supply frequency of closing and opening devices and of auxiliary circuits	50 Hz (+/- 3%)	*
	Rated short-circuit breaking current (in kA)	10	*
	Rated transient recovery voltage (in kV) for terminal faults - Must declare	33	Any applicable text(s)
	Rated short-circuit making current (in kA)	15.75	*
	Rated pressures of compressed gas supply for operation and for interruption, if applicable.	0.5 Mpa	0.5 Mpa, 1 MPa, 2 Mpa, 3 Mpa, 4 Mpa, NA
	Rated operating sequence	O-0.3s-CO-180s-CO (for circuit-breakers intended for rapid auto-reclosing)	O-0.3s-CO-180s-CO (for circuit-breakers intended for rapid auto-reclosing)
	Closing time	<10 cycles	*
	Mehtod of operation	Power	Power
	"Necessary indicators shall be provided on the VCB "	Yes	*
	IP Portection as per IS/IEC:60529:2001 latest	IP3X	*
	Installation, Demonstration and commissioning	No	No
SERVICE CONDITIONS	Max. air ambient temeprature	40 deg. C	*
	Min. air ambient temperature (Temperature class)	-5 deg. C	-5 deg. C
	The altitude does not exceed	1000 m	*
CERTIFICATION	Availability of type test report with complete drawing of unit from Central Govt., lab/NABL/ILAC	Yes	*

	accredited lab to conformity of the specification		
	Additional type test: Radio interference voltage test	No	No
	Additional type test: Low and high temperature test	No	No
	Additional type test: Humidity test	No	No
	Test report number - Must declare	-	*
	Test report date - Must declare	-	*
	Name of lab - Must declare	-	*
	Address of lab - Must declare	-	*
	All the test reports and certificates shall furnish by the seller to purchase authority on demand	Yes	*
	Manufacturer shall furnish all operating instruction manual including drawing with terminal details and maintenance details etc., to the purchase authority for each circuit breaker	Yes	*

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Mahizhnan	495452,SECL GEVRA AREA	15	45

Bid Specific Additional Terms and Conditions

1. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---