

Annexure 1

Technical Specifications for Common-Mode Choke

Sl.No	Description	BHEL Specification
1.	Inductance : At 10 kHz	1.4 mH $\pm$ 15%
	At 100 kHz	1 mH $\pm$ 15%
	At 1 MHz	0.98 mH $\pm$ 15%
2.	Ripple frequency (max)	10 kHz
3.	Peak current (max)	2000 A
4.	Saturation current	200 mA (app).
5.	Calculated DCR	< 120 μ Ohms $\pm$ 15%
6.	EMI shielding	Nano-crystalline EMI shielding
7.	Dimensions L X W x H (max)	250 mm x 250mm x 295 mm
8.	Shock Compliance	Shock Compliance @ 58g.
9.	Test Reports	• Test certificate compliance to above specifications (Sl. # 1 to 7) to be provided. • For shock compliance shock analysis report to be submitted.
10.	The offer should include following information	1. Detailed dimensional drawing showing termination details, fixing details, overall dimensions, weight. 2. Recommended clearances with respect to other components mounted in the vicinity of the choke. 3. Estimated temperature rise at rated conditions.

- Ambient temp 65° C; Temp. rise should be minimum as per the above Electrical and Mechanical parameters.
- Staggered Delivery: Initially ONE no. Choke is to be delivered. Second no. to be supplied only upon acceptance by BHEL. BHEL shall take about 2 weeks for testing and acceptance.
- Supplier may quote delivery period for 1st lot and 2nd lot separately.