

Specification for Primary Current Injection Kit		
Sl. No	Description	Range
1	Continuous Current Range @ 10 Volts	0-4000A
2	Intermittent Peak Current Range up to 30 Sec's @ 10 Volts	0-6300A
3	Input Supply Voltage	415V or 230 V AC
4	Mains Switch	MCCB, Preferably L&T, ABB, Siemens make Only with overload and short circuit protections
5	Transformer Rating @ Continuous Duty	Bidders to specify
6	Transformer Rating @ Peak Intermittent Duty	Bidders to specify
7	Type of Cooling for Transformer	Bidders to specify
8	Type of Cooling for Dimmer stat	Bidders to specify
9	Inbuilt CT Ratio's	1000A, 2000A, 2500A, 3200A, 4000A & 6300A
10	CT Accuracy	Class: 0.2
11	Insulation Class of CT	Class B or higher
12	Type of Adjustment	Coarse & Fine Adjustment
13	Dimmer stat Control	Manual or motorised with fine adjustment
14	Current Display	Digital ammeter, with 4 ½ digit Resolution
15	Timer Display	Digital Timer with LED or LCD Display
16	Length of the Connecting Cables from Kit to the Bus Bars	2.5 mtrs
17	Type of Connecting Cables	Copper or Tinned Copper Cables for both Continuous rating and Intermittent rating
18	Enclosure for the Kit (Transformer, Dimmer stat and the metering)	Metal Enclosure with min. 2.0 mm thickness
19	Weight & Dimensions	Bidders to specify
20	Cross Section and No. of Cable runs at Continuous Load	Bidders to specify
21	Cross Section and No. of Cable runs at Intermittent Load	Bidders to specify
22	Minimum Cross Section of Cable for metering and protection	2.5 sq.mm
23	Shall have the Over Current Protection at each range with an Alarm Buzzer & light when the current exceeds 110% of selected range	
24	Shall have the digital timer with Auto stop feature after timer lapse	
25	Shall have the provision of output interlock if the metering C.T. is not connected.	
26	Shall have the provision of auto cut off once the breaker trips	
27	Shall have a separate timer up to 30 sec's for Peak Current Range	
28	Shall have the provision for smooth variation of Current from 630A to 4000A	
29	Shall have the function of auto trip, on under voltage (< 80%) in Input Supply	
30	The Kit including Metering devices, Timers, CT's shall have a valid calibration certificate from a National body	
31	The Unit shall comply to the Latest IEC/IS Standards	
32	The Complete set including transformer up shall be Portable type with wheel arrangement	
33	The Kit shall have an individual earthing for the transformer and dimmerstat unit	

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