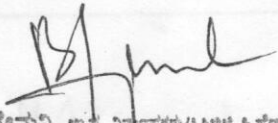


No.WEX/CPBG/VVTB/18/2016-17

Specification for Variable Voltage Test Bench

Sl. No	Specification	Qty
1	3PH 0-500V AC 15 AMPS VARIABLE VOLTAGE SOURCE	1No
2	1PH 0-300V AC 15 AMPS VARIABLE VOLTAGE SOURCE (2 OUTPUTS)	1No
3	3PH 4WIRE 415V AC 15A FIXED SOURCE	4Nos
4	110V AC 15A FIXED SOURCE (3 OUTPUT)	1No
5	0-300 V DC 5A VARIABLE DC SOURCE (3 OUTPUT)	1No
6	220V DC 5A FIXED SOURCE (3 OUTPUT)	1No
7	110V DC 5A FIXED SOURCE (3 OUTPUT)	1No
8	24V 5A DC 5A FIXED SOURCE (3 OUTPUT)	1No
9	230 VAC NORMAL SWITCH SOCKET OUTPUT	4Nos
10	TIMER TESTING/CALIBRATION FACILITY 0 TO 60 MINUTES	
11	AMMETER TESTING FACILITY 0-5AMPS(WITH SELECTOR SWITCH- 5 STEPS)	
12	AMMETER TESTING FACILITY 0.1-1.0 AMPS(WITH SELECTOR SWITCH- 5 STEPS)	
13	15A OUTPUT COPPER CABLE 25MTR LENGTH 4 WIRE (R,Y,B & N) CABLE WITH PLUG AND CROCODILE CLIPS	1No
14	15A OUT PUT COPPER CABLE 25MTR 4 WIRE (R,Y,B & N) CABLE WITH PLUG CROCODILE CLIPS	2Nos
15	5A OUT PUT COPPER CABLE 25MTR 2 CORE CABLE (BLACK AND RED) WITH PLUG FOR 220V DC SUPPLY WITH CROCODILE CLIPS	3Nos
16	5A OUT PUT COPPER CABLE 25MTR 2 CORE CABLE (BLACK AND RED) WITH PLUG & CROCODILE CLIPS FOR 220V DC SUPPLY	3Nos
17	5A OUTPUT COPPER CABLE 25MTR 3 CORE CABLE (BLACK, RED AND GREEN) WITH PLUG & CROCODILE CLIPS FOR 300V AC SUPPLY	3Nos
18	5A OUTPUT COPPER CABLE 25MTR 3 CORE CABLE (BLACK, RED AND GREEN) WITH PLUG FOR 300V AC SUPPLY	
19	5A OUTPUT COPPER CABLE 25MTR 3 OUTPUT 25MT 2 CORE CABLE (BLACK AND RED) WITH PLUG FOR 24V DC SUPPLY	
20	6SQMM 4 CORE COPPER CABLE FOR INPUT SUPPLY WITH SUITABLE CABLE LUGS	50mtr
21	SPARE VOLTMETERS TO BE PROVIDED	4Nos
22	22. 15A OUTPUT COPPER CABLE 25 MTR 4 WIRE(R,Y,B AND N) CABLE WITH PLUG	4Nos


 ಬಿ.ಎಂ. ಹಿರೇಮಾನಿ, ಉ.ಪ. ನಿರ್ವಹಣಾ/ಸಹಾಯಕಿ & ಹೆಡ್ ಆಫೀಸರಿ
 ಬಿ.ಎಂ. ಹಿರೇಮಾನಿ, ಅಧ್ಯಕ್ಷ ನಿರ್ದೇಶಕ/ಸಿ ಪಿ ವಿ ಜಿ & ಹೆಡ್ ಆಫೀಸರಿ
 B.M. HIREMANI, Dy. General Manager/CPBG & Head RPD

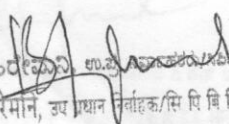
- a. THE TEST BENCH SHALL HAVE CLUSTER TYPE LED INDICATOR LAMPS
- b. DIGITAL VOLTMETERS AND AMMETER (FOR MAINS) TO BE PROVIDED.
- c. DIGITAL VOLTMETERS FOR ALL OUTPUT SUPPLIES.
- d. SHORT CIRCUIT AND OVER CURRENT PROTECTION.
- e. OUTPUT SOCKETS SHALL BE INDUSTRIAL TYPE FITTINGS
- PORTABLE TABLE, FABRICATED WITH 1.6MM THICKNESS CRCA SHEET POWDER COATED WITH INCLINED DISPLAY.

Material use in test bench

MCB & selector switches: L&T make
 V/Ammeter : MECO or AE make
 Cables: Finolex make
 Diodes: Ruthensha make
 Enclosure: MS metal with tube frame and 100% rotated nylon wheel
 Powder coating: Siemens grey color
 Incoming MCCB Make: L&T / ABB/ SIEMENS.
 Emergency off switch
 All Indication Meters shall have a valid Calibration Certificate at time of supply to BHEL-EPD.
 Supplier should submit the drawings of electrical & enclosure and get the approval from BHEL-EPD prior to manufacture.

Qualification Criteria:

Sl. No	BHEL Standard Terms & Conditions	Documents to be submitted by vendor
1	The vendor shall be an Original Equipment Manufacturer (OEM). Dealers have to submit authorisation certificate from OEM.	NSIC/authorisation certificate
2	The vendor shall have qualified personnel, their own adequate manufacturing / integrating and testing facilities for the equipment offered.	Company profile and details of qualified personnel to be submitted
3	The vendor should have manufactured and supplied atleast 3 of 2 ton BOPT in the last 2 years.	PO copies and performance certificate from users to be submitted for the 3 supplies made
4	The vendor shall submit audited balance sheet or tax returns or profit loss account for the last 3 years	Copy to be submitted


 वी.एम. हिरेमानी
 R.M. HIREMANI, Dv. General Manager/CPBG & Head RPD