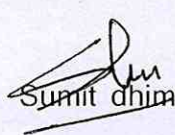
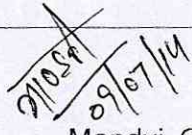


 BHEL-EMRP MUMBAI	TECHNICAL SPECIFICATION PART-II FOR ELECTRICAL WORKSHOP EQUIPMENTS TESTING DEVICES		SPECIFICATION NO. EM-MHDA-MAN-07	
			Rev. No	00
	4 x 180 MW MANGDECHHU HEP		Date	05.07.2014

SPECIFIC TECHNICAL SPECIFICATIONS

 Sumit dhiman Engineer BOP	 Mandvi Gupta Manager BOP
PREPARED BY	APPROVED BY

	TECHNICAL SPECIFICATION PART-II FOR ELECTRICAL WORKSHOP EQUIPMENTS TESTING DEVICES	SPECIFICATION NO. EM-MHDA-MAN-07	
		Rev. No	00
	4 x 180 MW MANGDECHHU HEP	Date	05.07.2014

(1)Details of Equipments

Bidder must quote the make, model No, material description & quantity offered in their quotation /bid, as specified below. Bidder's alternate description can also be given in separate column.

Completeness of Equipment

Each of the equipment listed shall be complete with applicable accessories like power supply main leads, screened guard leads, screened line test leads, earth leads, connectors and clips, leather carrying case and any other accessories required for completing the equipment. Bidder has to mention technical details & quantity of each item under this category along with offer.

Sl.No	Item specification	Qty	Details of Equipment offered by the Bidder	
			Make & Model No	Catalogue No
1	DIGITAL PORTABLE DUAL TYPE CATHODE RAY OSCILLOSCOPE FOR CHOPPED & ALTERNATIVE OPERATION MODE WITH. (i) Mode of operation: Channel A /Channel B, Channel A+B/Channel A-B. (ii) Two (2) independent Y-channel amplifiers. (iii) Bandwidth: 500MHz. (iv) Max.Sampling Rate: 2GSa/s [per channel]. (v) Max.record length: 2.5M Words[per channel] (vi) Vertical Sensitivity: 5mV.....20V[per division] (vii) Vertical Resolution:8 bits. (viii) Time base: 2.5ns.....50s[per division] (ix) Time base accuracy: 50ppm ($\pm 0.005\%$) (x) Horizontal Zoom. (xi) Internal & External Triggering. (xii) Input Voltage: max.240V(p-p) (xiii) Display: 8.4" color TFT LCD. (xiv) Connection Voltage: 230V ,50Hz (xv) Storage:PC Card, Flash ROM,USB I/F (xvi) Interfaces: USB, RS-232. (xvii) Operating Temperature: 0°C to +50°C. (xix) Storage Temperature: (-) 40°C to +71°C. (xx) Operating Humidity: Up to 60% RH up to 50°C (xxi) Storage Humidity: Up to 60% RH up to 55°C <i>Along with all accessories.</i>	1 No.		

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			Rev. No	00
	4 x 180 MW MANGDECHHU HEP		Date	05.07.2014

(2) GURANTEED TECHNICAL PARTICULARS

Sl.No	Item specification as per Contract	GTP(To be filled by Vendor)
1	DIGITAL PORTABLE DUAL TYPE CATHODE RAY OSCILLOSCOPE FOR CHOPPED & ALTERNATIVE OPERATION MODE.	
(i)	Mode of operation: Channel A /Channel B, Channel A+B/Channel A-B.	
(ii)	Two (2) independent Y-channel amplifiers.	
(iii)	Bandwidth: 500MHz.	
(iv)	Max.Sampling Rate:2GSa/s[per channel]	
(v)	Max.record length:2.5M Words[per channel]	
(vi)	Vertical Sensitivity:5mV.....20V[per division]	
(vii)	Vertical Resolution: 8 bits.	
(viii)	Time base: 2.5ns.....50s[per division]	
(ix)	Time base accuracy: 50ppm ($\pm 0.005\%$)	
(x)	Horizontal Zoom.	
(xi)	Internal & External Triggering	
(xii)	Input Voltage:max.240V(p-p)	

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	4 x 180 MW MANGDECHHU HEP		Date	05.07.2014

(xiii)	Display:8.4" color TFT LCD	
(xiv)	Connection Voltage:230V ,50Hz	
(xv)	Storage:PC Card, Flash ROM,USB I/F	
(xvi)	Interfaces:USB,RS-232	
(xvii)	Operating Temperature: 0°C to +50°C.	
(xviii)	Storage Temperature: (-)40°C to +71°C	
(xix)	Operating Humidity: Up to 60% RH up to 50°C	
(xx)	Storage Humidity: Up to 60% RH up to 55°C	
(xxi)	List of all Essential accessories.	

 BHEL-EMRP MUMBAI	TECHNICAL SPECIFICATION PART-II FOR ELECTRICAL WORKSHOP EQUIPMENTS TESTING DEVICES	SPECIFICATION NO. EM-MHDA-MAN-07	
		Rev. No	00
	4 x 180 MW MANGDECHHU HEP	Date	05.07.2014

(3) Technical Deviation Statement (if any)

Sr No.	Item	Deviation	Justification for Deviation

Note: Bidder has to indicate clearly the deviations if any w.r.t. specification. Bidder has to indicate all the deviations on this sheet only, deviations mentioned elsewhere in Bidder's offer will not be considered.