


1047566/2022/PS-PEM-EL

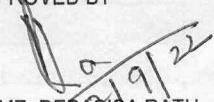
	1 X660MW PANKI TPP PRE-QUALIFICATION REQUIREMENTS FOR ELECTRICAL LAB (METERING & TESTING EQUIPMENT)	DOC. NO. PE-PQ-426-556-E003
		REVISION NO. 0 DATE 26.08.2022
		SHEET NO. 1 OF 1

ITEMS: Electrical Lab Equipment for Metering, Measuring & Testing**SCOPE:** Supply : YES; Erection & Commissioning : NO;

1	Vendor can be either OEM (Original Equipment Manufacturer) or Supplier of Electrical Lab (Metering & Testing) equipment.
2	Vendor should have supplied Electrical Lab (Metering & Testing) equipment to process plant/ refinery/ power plant/ nuclear plant / testing Lab.
3	Vendor should be in business of supplying electrical lab (Metering & Testing) equipment for at least last two (2) years from the date of techno commercial bid opening.
4	Minimum two nos. purchase orders for electrical lab (Metering & Testing) equipment shall be submitted which should not be more than 5 years old from the date of techno-commercial bid opening for establishing continuity in business.

NOTES-

1. Consideration of offer shall be subject to customer's approval of bidders, if applicable.
2. Bidder to submit all supporting documents in English. If documents submitted by bidder are in language other than English, a self-attested English translated document should also be submitted.
3. Notwithstanding anything stated above, BHEL reserves the right to assess the capabilities and capacity of the bidder to perform the contract, should the circumstances warrant such assessment in the overall interest of BHEL.
4. After satisfactory fulfilment of all the above criteria/ pre-qualifying requirement, offer shall be considered for further evaluation as per NIT and all the other terms of the tender.
5. Typical list of Electrical Lab (metering & Testing) equipment is attached as Annexure-I.

PREPARED BY Manmohan Mahapatra <small>Digitally signed by Manmohan Mahapatra DN: cn=Manmohan Mahapatra, o=BHEL, ou=BHEL PSA, email=manmohanm@bhel.in, c=IN Date: 2022.08.26 14:24:41 +05'30'</small> NAME: MANMOHAN MAHAPATRA DESIGNATION: MANAGER	CHECKED BY HEMA KUSHWAHA <small>Digitally signed by HEMA KUSHWAHA DN: cn=HEMA KUSHWAHA, o=BHEL, ou=PSM ELECT, email=hema.kushwahabhel.in, c=IN Date: 2022.08.26 16:47:46 +05'30'</small> NAME: HEMA KUSHWAHA DESIGNATION: SR. MANAGER	REVIEWED BY PRAVEEN DUTTA <small>Digitally signed by PRAVEEN DUTTA DN: cn=PRAVEEN DUTTA, o=BHEL, ou=PSM ELECT, email=praveen.dutta@bhel.in, c=IN Date: 2022.08.26 16:47:46 +05'30'</small> NAME: PRAVEEN DUTTA DESIGNATION: AGM	APPROVED BY  NAME: DEBASISA RATH DESIGNATION: DH ELECT (AGM)
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ANNEXURE-I - ELECTRICAL LAB (METERING & TESTING) EQUIPMENT

S. No.	Item Name
1	ANALOG MULTIMETER
2	DIGITAL MULTIMETER
3	PRECISION GRADE DIGITAL MULTIMETER
4	PRECISION GRADE ANALOG MULTIMETER
5	MULTIMETER
6	PLATINUM RTD DIGITAL TEMP. INDICATOR
7	PORTABLE LIGHT INTENSITY (LUX METER)
8	PORTABLE MOISTURE METER
9	PORTABLE CAPACITANCE METER
10	PORTABLE RECORDING METERS
11	DIGITAL PHASE ANGLE METER (pf METER)
12	TONG TESTER
13	AC TONG TESTER
14	DC TONG TESTER
15	DIGITAL TONG TESTER
16	ANALOG TONG TESTER
17	VACUUM MEASUREMENT METER
18	VIBRATION / SOUND LEVEL METER
19	SOUND LEVEL METER
20	VIBRATION MEASURING EQUIPMENT PORTABLE
21	VOLTMETER (PORTABLE) AC MOVING IRON
22	VOLTMETER (PORTABLE) DC MOVING COIL
23	AC MILLIVOLTMETER
24	DC MILLI VOLTMETER
25	DIGITAL VOLTMETER
26	WATTMETER
27	MOVING IRON AMMETERS (0-5A RANGE)
28	MOVING IRON AMMETERS (0-100A RANGE)
29	AC MILLI AMMETER
30	AC MOVING IRON AMMETER
31	AMMETER (PORTABLE)
32	CLIP ON AMMETER (AC)
33	CLIP ON AMMETER (DC)
34	DC MOVING COIL AMMETER PORTABLE
35	DC MILLI AMMETER
36	DC MOVING COIL MICRO AMMETER
37	DC MOVING COIL MILLI AMMETER
38	DIGITAL MICRO AMMETER
39	Clip on Ammeter AC/DC
40	DC CLAMP ON AMMETER
41	AC CLAMP ON METER
42	DC MILLI AMMETER

Meetha Singh Kojal
02/06/17

Ramesh Das
02/06/17

Arjun 24/1/17

ANNEXURE-II - ELECTRICAL LAB (METERING & TESTING) EQUIPMENT

43	DEW POINT METER
44	DIGITAL FREQUENCY METER
45	DIGITAL LOW RESISTANCE METER
46	DIGITAL MICRO-OHM METER
47	MEGA OHM METER
48	MILLI OHM METER
49	PORT. DIGITAL DC RESISTANCE METER
50	DIGITAL TACHOMETER
51	DIGITAL TIME COUNTER
52	MERCURY IN GLASS THERMOMETER
53	PORTABLE CABLE CORE IDENTIFICATION KIT
54	EARTH RESISTANCE TESTER
55	CLAMP ON EARTH RESISTANCE TESTER
56	PORTABLE HIGH VOLTAGE/LIVE LINE DETECTOR
57	PORTABLE PHASE SEQ/CONTINUITY INDICATORS
58	PHASE SEQUENCE INDICATOR
59	RELAY REPAIR TOOL KIT
60	PANEL CUTTING MACHINE
61	SET OF SCREW DRIVERS & NUT DRIVERS
62	MAINTENANCE TOOLS FOR LT MCC
63	MAINTENANCE TOOLS FOR HT MCC
64	HYDRAULIC CRIMPING TOOLS WITH DIES
65	RHEOSTAT
66	RHEOSTATS- 2A /1000 Ω
67	RHEOSTATS- 8A /200 Ω
68	RHEOSTATS- 5A /100 Ω
69	RHEOSTATS- 12A/18 Ω
70	BATTERY OPERATED INSULATION TESTER
71	500 V INSULATION TESTER
72	1000 V INSULATION TESTER
73	2500 V INSULATION TESTER
74	5000 V INSULATION TESTER
75	10000 V INSULATION TESTER
76	POWER OPERATED MEGGER 5KV
77	ACIDITY TEST SET FOR TRANSFORMER OIL
78	D. C. SHUNTS
79	DIGITAL INSULATION RESISTANCE TESTER
80	TORQUE WRENCHES
81	TORQUE WRENCH OF VARIOUS SIZES
82	HAND OPERATED MEGGER (0-1000 VOLTS)
83	HAND OPERATED MEGGER 500 VOLTS
84	5 KV MOTORISED MEGGER
85	HAND DRIVEN EARTH RESISTANCE MEGGER
86	MOTOR BEARING PULLER
87	MOTOR GREASING DEVICE
88	TEST LAMP
89	GAUGE

Not to be signed
02/06/17

Sanjay
02/06/17

02/06/17