



## CORRIGENDUM-II

Ref: Tender Enquiry No.: TPCODL/P&S/1000000129/2021-22 /Corrigendum/002

Dated: 29.11.2021

Corrigendum to open Tender No. TPCODL/P&S/1000000129/2021-22 for One Year Rate contract for Supply of Cable Fault Locator Equipment and its accessories and Switchgear Equipment

Sl. No.	Clause No.	Old Provision	Revised Provision
1		Annexure-1 <b><u>Schedule of Items</u></b>  1. AC LEAKAGE CLAMP ON METER  Qty-20 Nos  (Revised Price Schedule attached)	Annexure-1 <b><u>Schedule of Items</u></b>  1. AC LEAKAGE CLAMP ON METER  Qty-60 Nos  2. AC CLAMP ON METER  Qty- 40 Nos  (Revised Price Schedule attached)
2	1.7	<b>Qualification Criteria</b>  Bidder must have successfully executed the supply of AC  1. LEAKAGE CLAMP ON METER – Single Order- 20 nos and Multiple Order -10 nos  within last 5 Year. Copy of completion certificates to be submitted in this regard	<b>Qualification Criteria</b>  Bidder must have successfully executed the supply of AC  1. LEAKAGE CLAMP ON METER – Single Order- 40 nos and Multiple Order -10 nos 2. AC CLAMP ON METER- Single Order- 20 nos and Multiple Order -10 nos  within last 5 Year. Copy of completion certificates to be submitted in this regard

All other terms and conditions of the above tender will remain same.

**By Order**

**Chief - Procurement, TPCODL**

**ANNEXURE I**

**Revised- Schedule of Items**

**Package-1: CFL EQUIPMENT**

SI No.	Item Description	HSN Code	Unit	Quantity (Q)	Unit Price (in Rs.) A	GST (in Rs.) B	Unit Price (All Inclusive) (in Rs.) A+B	Total Amount (in Rs.) Q x (A+B)
1.	PORTABLE CABLE FAULT LOCATOR		EACH	1				
2.	LT CABLE FAULT LOCATOR FOR 1.1KV & BELOW		EACH	2				
3.	MURRAY LOOP(HIGH VOLTAGE BRIDGE)		EACH	2				
4.	ONLINE ROUTE TRACER FR CABLE IDENTIFICATN		EACH	1				
5.	PORTABLE TIME DOMAIN REFLECTOMETE R		EACH	1				
	<b>Total</b>							

**Package-2: SWITCHGEAR EQUIPMENT**

SI No.	Item Description	HSN Code	Unit	Quantity (Q)	Unit Price (in Rs.) A	GST (in Rs.) B	Unit Price (All Inclusive) (in Rs.) A+B	Total Amount (in Rs.) Q x (A+B)
1.	CABLE SPIKING TOOL		EACH	5				
2.	HIGHPOT TEST KIT FOR RMU & CSS		EACH	2				
3.	PRIMARY CURRENT		EACH	1				

	INJECTION TEST KIT							
4.	SECONDARY CURRENT INJECTION TEST KIT		<b>EACH</b>	<b>2</b>				
5	ULTRA-SOUND PD DETECTOR FOR RMU & CSS		<b>EACH</b>	<b>3</b>				
6	EARTH TESTER DIGITAL		<b>EACH</b>	<b>3</b>				
7	TOOL KIT SET FOR SWITCHGEAR MAINTENANCE		<b>EACH</b>	<b>3</b>				
5.	CIRCUIT BREAKER TIME INTERVAL METER		<b>EACH</b>	<b>3</b>				
6.	CONTACT RESISTANCE METER FOR RMU & CSS		<b>EACH</b>	<b>3</b>				
7.	SF6 GAS LEAK DETECTOR FOR RMU & CSS		<b>EACH</b>	<b>3</b>				
8.	SF6 GAS REFILLING DEVICE FOR RMU & CSS		<b>EACH</b>	<b>3</b>				
9.	AC LEAKAGE CLAMP ON METER		<b>EACH</b>	<b>60</b>				
10.	DIGITAL INSULATION RESISTANCE TESTER 5 K		<b>EACH</b>	<b>3</b>				
11	AC CLAMP ON METER		<b>Each</b>	<b>40</b>				
	<b>Total</b>							

NOTE:

- The bids will be evaluated commercially on the overall lowest cost in line item basis.
- The unit price with GST in column no. 7, is landed price for TPCODL at their store Bhubaneswar / Cuttack. Refer CLAUSE 3.3 Bid Price.
- The bidders are advised to quote prices strictly in the above format. Failing to do so, bids are liable for rejection.
- Bidder needs to quote mandatorily for each line item of the BOQ for Package-1 and any line items for Package-2.
- The bidder must fill each and every column of the above format. Mentioning “extra/inclusive” in any of the column may lead for rejection of the price bid.
- No cutting/ overwriting in the prices is permissible.

### **Technical specification of clamp on meter**

- AC current measurement upto 2500A with flexible current probe with resolution upto 1A and accuracy 3%  $\pm$  5 digits
- DC current measurement upto 1000 A with resolution upto 0.1A and accuracy 2%  $\pm$  5 digits
- AC voltage measurement upto 1000V with 1.5%  $\pm$  5 digits accuracy
- DC voltage measurement upto 1000V with 1%  $\pm$  5 digits accuracy
- DC mV measurement upto 500mV
- Frequency measurement range 5.0 - 500.0 Hz
- Capacitance measurement upto 1000 $\mu$ F
- Safety: ANSI/UL 61010-1:2004  
ANSI/ISA-61010-1 (82.02.01):2004  
EN/IEC 61010-1:2001 to  
1000V Measurement Category (CAT) III  
600V Measurement Category (CAT) IV
- Electromagnetic compatibility (EMC) As per IEC 61326-1
- True-rms AC voltage and current for accurate measurements on non-linear signals
- Should have Min, max, average and inrush recording facility to capture variations automatically
- Should have integrated low pass filter and signal processing that can allow for use in noisy electrical environments while providing stable readings
- Should have Inrush measurement facility
- Portable. Weight not more than 400gm.
- Backlight display should automatically set the correct measurement range so user need not to change the switch positions while taking a measurement
- Power source: 2 AA, NEDA 15A, IEC LR6 battery
- Meter to be supplied in a Soft carrying case and 18inch dia flexible current probe

## Technical Specification for Leakage Current Clamp meter

**Measurement function** Alternating current

**AC ampere range** 3 mA, 30 mA, 300 mA, 3 A, 30 A, 60 A

**mA / A:** manual selection

**3 mA / 30 mA / 300 mA:** automatic selection

**3 A / 30 A / 60 A:** automatic selection

**Range / Resolution** 3 mA / 0.001 mA

30 mA / 0.01 mA

300 mA / 0.1 mA

3 A / 0.001 A

30 A / 0.01 A

60 A / 0.1 A

**Accuracy** – filter activated (40 to 70 Hz), filter off (40 to 1 kHz)

3 mA – 30 A: 1% + 5 digits

60 A: 2% + 5 digits

**Frequency** 40 Hz to 1 kHz

**Crest Factor** 3

**Display (LCD)** Digital readout: 3300 counts

**Display refresh rate** 4 times / sec

**Jaw size** Min 40 mm

**Power source** 2 AA, IEC LR6, NEDA 15A, alkaline battery

**Battery life** More than 150 hours

**Automatic shut-down** Clamp Meter should automatically shut down after 15 minutes of inactivity

**General safety** IEC 61010-1

**Measurement safety** As per IEC 61010-2-032: CAT III 600 V and CAT IV 300 V

**Electromagnetic compatibility (EMC)** As per IEC 61326-1

**Protection class** IEC 60529: IP30 (jaw closed)