



AN ISO 9001 & 14001 COMPANY

## **TENDER DOCUMENT**

**NIT No: SRO/CON/ETS/241 dated 01.07.2024.**

**FOR**

**Tender for “Special Repair works to Circuit Breaker of DG, All Lighting & Power, UPS & AHU Electrical Panel Service Works, MCCB Testing, DG Auto Change Over System at ESIC Medical College and Hospital at K.K. Nagar, Chennai, Tamil Nadu for FY 2023-24”**

**VOLUME – III**

**Price Bid / BOQ**

**ENGINEERING PROJECTS (INDIA) LIMITED**  
(A GOVT.OF INDIA ENTERPRISE)  
Southern Regional Office, Chennai

Validate Print Help

Percentage BoQ

Tender Inviting Authority: General Manager (Contracts-DR),  
Engineering Projects (India) Ltd.  
(A Govt. of India Enterprise)  
3D, EC Chambers, 92 GN Chetty Road  
T.Nagar, Chennai-600017

Name of work: Special Repair works to Circuit Breaker of DG, All Lighting & Power, UPS & AHU Electrical Panel Service Works, MCCB Testing, DG Auto Change Over System at ESIC Medical College and Hospital at K.K. Nagar, Chennai, Tamil Nadu for FY 2023-24"

Tender no : SRO/CON/ETS/241

Name of the Bidder/ Bidding Firm / Company :							
PRICE SCHEDULE							
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only )							
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7	8
1	Special Repair works to Circuit Breaker of DG, All Lighting & Power, UPS & AHU Electrical Panel Service Works, MCCB Testing, DG Auto Change Over System at ESIC Medical College and Hospital at K.K. Nagar, Chennai, Tamil Nadu for FY 2023-24						
1.01	Electrical Material Items - DSR 2022	Item no 1	1.00	Nos	56,796.44	56,796.44	INR Fifty Six Thousand Seven Hundred & Ninety Six and Paise Forty Four Only
1.02	Electrical MRI Items	Item no 2	1.00	Nos	33,66,484.75	33,66,484.75	INR Thirty Three Lakh Sixty Six Thousand Four Hundred & Eighty Four and Paise Seventy Five Only
Total in Figures						34,23,281.19	INR Thirty Four Lakh Twenty Three Thousand Two Hundred & Eighty One and Paise Nineteen Only
Quoted Rate in Figures			Select			0.00	INR Zero Only
Quoted Rate in Words	INR Zero Only						

<p align="center"><b>ENGINEERING PROJECTS (INDIA) LTD.</b>  <b>(A. Govt. of India Enterprise)</b>  <b>SOUTHERN REGIONAL OFFICE, CHENNAI</b></p>							
ESIC - Special Repair Works - YEAR 2023-2024.							
Name of Work : "Special Repair works to Circuit Breaker of DG, All Lighting & Power, UPS & AHU Electrical Panel Service Works, MCCB Testing, DG Auto Change Over System"							
Locations: ESIC Medical College and Hospital at K.K. Nagar, Chennai, Tamil Nadu							
NIT NO.SRO/CON/ETS/241, Dated 01.07.2024							
BILL OF QUANTITIES							
Sl.No	DSR/SSR/MR	Item Description Short Form	Description of Item	Unit	Qty	Rate	Amount
		I	Part -A "Electrical Works"				
		A	Electrical Material Items - DSR 2022				
1	1505		800 amps. TPN, rising mains in metal enclosure with aluminium busbar including fixing clamp	5.00	Metre	13,403.96	67,019.80
			Total for Electrical Material Items (a)				67,019.80
		B	MR Items				
2	MR		<b>ACB &amp; VCB Service of Substation Site- 1</b> <b>(Main LT Panel &amp; Chillier Plant Panel):</b> Charges for complete servicing of LT 440V 50Hz Air circuit breaker including thorough inspection of the ACB and carrying out the following maintenance nature of works for proper and efficient functioning of ACBs all as specified and as directed, Check, clean, align / tighten of the following: a. All terminals and moving contacts, b. All terminals UV/Shunt trip coil, check insulation resistance c. All terminals of Breaker mounted release and current Tr. d. All terminals of internal wiring circuits of complete panel e. Cleaning Arc Chutes and checking LV Inc/OG connections f. checking its mechanism alignment & draw-in arrangement and apply petroleum jelly to all surfaces of contacts check insulation resistance and set for pr.	18.00	Each	4,225.00	76,050.00
3	MR		Servicing of 11 KVHT Vacuum Circuit Breaker / Load Break Switch completely, by checking all the fixed Male, Female contacts and Moving Male and female contacts, removing all the carbon and making the surface of the contacts clean and applying necessary petroleum Jelly for the contacts and lubricating the other mechanical parts for easy operation, etc., complete	4.00	Each	6,573.00	26,292.00
4	MR		Charges for making primary injection trip test for HT / LT circuit breaker, by injecting fault current through loading transformer to ensure proper tripping during fault conditions and checking of all protection wirings, including issuing of necessary test report.	22.00	Each	1,747.00	38,434.00
5	MR		Service and Testing of HT 11KV VCB including primary and trip test, Calibration of relays	1.00	Each	35,580.00	35,580.00
22	MR		3WT8 ACB 3200A, 3200A ,4Pole, EDO ACB With Frame 3WT8 ACB 3200A,4pole, H/H Spares Guide Frame with Safety Shutter 3WT8 Automatic Production Relay Microprocessor Releases (Over load, short circuit, Instances and Ground Fault)	2.00	Each	12,10,543.00	24,21,086.00
24	MR		New ACB Insulation work Busbar pad and Insulator support additional work and RYBN Phase Slove and ACB charging including works	2.00	Each	34,212.00	68,424.00
25	MR		Lighting,Power,UPS and AHU Electrical panel service	95.00	Each	9,860.00	9,36,700.00
26	MR		Supply and instulation, testing and commissioning of fully operated Auto change over system consisting of Auto start stop realy with control panel Auto manual selector switch control cable with MCB and bus coupler to be operated manually	1.00	Each	3,69,886.00	3,69,886.00
			Total for Electrical MR Items (b)				39,72,452.00
			Sub Total for Part A - Electrical Works (a+b)				40,39,471.80
			Grand Total Electrical (Part A)				40,39,471.80
			Deduct GST @ 18 %				
			Electrical Material Items - DSR 2022				56,796.44
			Electrical MR Items				33,66,484.75
			Total cost excludign GST				34,23,281.19