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Item Rate BoQ

Tender Inviting Authority:

Name of Work: Comprehensive maintenance and Operation contract of Electrical & Mechanical installations of substation no. III & IX at Pragati Maidan New Delhi for the period of two years.

Contract No: 169-ITPO(2)E-E/22-23/71

dated: 08.08.2022

Name of the Bidder/ Bidding						
<div>PRICE SCHEDULE</div> <div>(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)</div>						
NUMBE	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE inclusive of all taxes with GST @18%In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT inclusive of all taxes with GST @18% in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1.1	Comprehensive maintenance of all the Electrical & Mechanical installations of 11kv/433v substation No3 (Near Hall No12) at Pragati Maidan New Delhi & connected switch rooms complete with all accessories like transformers, Bus bars, Circuit breakers, Switches, MCCBs, capacitor bank along with all the connected H.T & L.T Cables between BSES and substation, substation to substation, Substation to switch room and switch room to halls, including servicing, dehydration including providing extra Transformer oil if required, calibration of relays, earth and insulation tests, repairs, routine, preventive maintenance, attending complaints/ faults/ breakdown and taking rectification actions ensuring serviceability/ satisfactory working condition of the systems, maintenance of records/ documentation etc. as per the detailed specifications by providing and replacing any defective parts(excluding rewinding of the transformer, replacement of cables)as per terms and conditions attached by using qualified, experienced and trained, skilled workers etc. as required.	24.000	Job per months		0.00	INR Zero Only

1.2	Comprehensive maintenance of all the Electrical & Mechanical installations of 11kv/433v substation No9 (Near Gate No1) at Pragati Maidan New Delhi & connected switch rooms complete with all accessories like transformers, Bus bars, Circuit breakers, Switches, MCCBs, capacitor bank along with all the connected H.T & L.T Cables between BSES and substation, substation to substation, Substation to switch room and switch room to halls, including servicing, dehydration including providing extra Transformer oil if required, calibration of relays, earth and insulation tests, repairs, routine, preventive maintenance, attending complaints/ faults/ breakdown and taking rectification actions ensuring serviceability/ satisfactory working condition of the systems, maintenance of records/ documentation etc. as per the detailed specifications by providing and replacing any defective parts(excluding rewinding of the transformer, replacement of cables)as per terms and conditions attached by using qualified, experienced and trained, skilled workers etc. as required.	24.000	Job per months		0.00	INR Zero Only
1.3	Round the clock Operation on all days of all the Electrical & Mechanical installations in 11kv/433v Substations no. III & connected switch rooms complete with all accessories like transformers, DG sets, LT,HT Panels, APFC panels Bus bars, Circuit breakers, Switches, MCCBs, all the connected H.T & L.T Cables between BSES and substation, substation to substation and Substation to switch room, by using following man power:- a) Substation operator= 3 Nos (One operator in each shift of 8Hrs at substations no. III for round the clock operation) b) Khallasi = 3 Nos (One Khallasi in each shift of 8Hrs at substations no. III for round the clock operation) One Job	24.000	Job per months		0.00	INR Zero Only

1.4	<p>Routine, preventive maintenance and Operation of all the internal and external Electrical & Mechanical installations connected to substation no. 3 & 9 at ITPO campus pragati maidan i/c of toilets blocks and connected switch rooms, street lights, complete with tower, pole, high mast, foundation, fittings, distribution boxes, tubes, bulbs, Bus trunking, Bus bars, Switches, MCCBs, Feeder pillars, distribution boards, MCBs, Isolator, air curtains, hand-driers, switch-socket & all type of light fittings & fans with their chokes, starter, igniters, capacitor along with all the connected wires, Cables connecting to switch room, hall feeder pillars, DBs, switch boards including operation, repairs & maintenance attending to complaints/ faults/ breakdown and taking rectification actions ensuring serviceability/ satisfactory working condition of the systems by providing and replacing wornout wires, HRC fuses, Switches, sockets, Plug tops, thimbles, cable glands, MCBs, MCCBs etc, preventive maintenance, maintenance of records/ documentation etc. as per terms and conditions on all days excluding weekly rest and holidays by providing following qualified, experienced and trained/ skilled workers etc. as required.</p> <p>(a) wireman – 2 nos. (for 8 hours shift 10am to 6pm) (b) khallasi – 2 nos. (for 8 hours shift 10am to 6pm) (Note: weekly rest for workmen shall be shifted during non-exhibition days) One Job</p>	24.000	Job per months		0.00	INR Zero Only
1.5	<p>Overtime payment for Operation and maintenance for item No-1.4 after and before duty hours and on holidays for engaging following manpower:- (Note:- Material if required during overtime shall not be paid extra as it's weightage already considered in item No1.4 of this schedule of work.)</p>					
1.51	A) One Wireman	1000.000	hours		0.00	INR Zero Only

1.52	B) One Khallasi	1000.000	hours		0.00	INR Zero Only
1.6	Comprehensive maintenance of following DG sets back to back through OEM or their authorised agency including B check of engine, complete routine check of all Electrical and mechanical accessories like engine, AMF Panel, batteries, control switch gears, cable etc. including preventive maintenance, repairs & break down maintenance, attending complaints/ faults, taking rectification actions by providing and replacing all spare parts and Mobile oil, filters etc. if required including batteries to ensure serviceability/ satisfactory working condition of the systems, maintenance of records/ documentation etc. as required at Pragati Maidan New Delhi for the period of two years. A) 2x285KVA of Cummins make at Substation no.3	24.000	Job per months		0.00	INR Zero Only
1.7	Supplying and filling of High speed Diesel oil in the DG sets tanks installed at various substations at Pragati Maidan complex complete with transportation and labour as and when required.	4000.000	liter		0.00	INR Zero Only
1.8	SITC of following rating 3 pole MCCB in the existing panel as required at Pragati Maidan, New Delhi (Make: ABB, L&T, Schneider, Siemens or equivalent).					
1.81	(a) 100Amp, 30kA breaking capacity	10.000	nos		0.00	INR Zero Only
1.82	(b) 200Amp, 36kA breaking capacity	10.000	nos		0.00	INR Zero Only
1.83	(c) 250Amp, 36kA breaking capacity	10.000	nos		0.00	INR Zero Only
1.9	Supply and fixing of fire retardant electrical insulated flooring of 2.0 mm and 2.5 mm nominal thickness duly ISI marked and tested for breakdown strength, tensile/elongation, aging properties, insulation resistance, effects of acid, alkaline diesel and transformer oil, leakage current test, having min. width 1000 mm + 20mm. complete with providing all allied materials such as pu-resin, chemi bound (hardener), spl. PVC adhesive, liquid primer, sealing material, tapes of matching colour and design etc. as required (Make: VOLTMAT, Jyoti or equivalent).					

1.91	(a) 2.0 mm thick suitable for class A upto 3.3 kv	177.000	Sq. Mtr		0.00	INR Zero Only
1.92	(b) 2.5 mm thick suitable for class B upto 11 kv	224.200	Sq. Mtr		0.00	INR Zero Only
2.1	Comprehensive service maintenance contract of existing 100kwp and 50kwp solar roof top power plants installed on roof top of hall no. 7 and hall no. 12 complete with cleaning of panels, maintenance & settings of inverter, earthlings, DC/AC distribution boards, all electrical panels and connecting cables along with monitoring of energy generation of plants etc. complete as required for the period of two years.	24.000	Job per Month		0.00	INR Zero Only
Total in Figures					0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only				