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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. I & XI at Pragati Maidan, New Delhi for the period of two years.

Contract No: 169-ITPO(1)E-E/22-23/70 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 all taxes with GST @18% inIn <b>Figures</b> To be entered by the Bidder in <b>Rs. P</b>	TOTAL AMOUNT inclusive all taxes with GST @18% in <b>Rs. P</b>	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 No1 (Near Hall No7) at Pragati Maidan New Delhi & connected switch rooms complete with all accessories like transformers, Bus bars, Circuit breakers, Switches, MCCBs, APFC panels along with all the connected H.T & L.T Cables between BSES and substation, substation to substation, Substation to switch room, substation to APFC panels 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	24.000	job per month		0.00	INR Zero Only

1.2	Comprehensive maintenance of all the Electrical & Mechanical installations of 11kv/433v substation No11 (Hall No. 8-11) at Pragati Maidan New Delhi & connected switch rooms complete with all accessories like transformers, Bus bars, Circuit breakers, Switches, MCCBs, APFC panels along with all the connected H.T & L.T Cables between BSES and substation, substation to substation, Substation to switch room, substation to APFC panels, substation to pump room and switch room to hall 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,	24.000	Job per month		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. I & XI along with 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, Substation to switch room and switch room to halls by using following man power:- a) Substation operator= 6Nos (One operator in each shift of 8Hrs at each of 2 substations for round the clock operation) b) Khallasi = 6Nos (One Khallasi in each shift of 8Hrs at each of 2 substations for round the clock operation)	24.000	Job per month		0.00	INR Zero Only

1.4	<p>Routine, preventive maintenance and Operation of all the internal and external Electrical &amp; Mechanical installations connected to substation no. 1 &amp; 11 at ITPO campus pragati maidan i/c of halls, 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 &amp; all type of light fittings &amp; 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 &amp; 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 and 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= 2Nos(For 8Hrs Shift 10AM to 6 PM)  b) Khallasi = 4Nos(For 8Hrs Shift 10AM to 6 PM)  (Note-Weekly rest for workmen shall be shifted during non exhibition days)</p>	24.000	Job per months		0.00	INR Zero Only
1.5	<p><b>Overtime payment for Operation and maintenance for item No-4 after and before duty hours and on holidays for engaging following manpower:-</b>  <b>(Note:- Material if required during overtime shall not be paid extra as it's weightage already considered in item No4 of this schedule of work.)</b></p>					
1.51	A) One Wireman	700.000	hour		0.00	INR Zero Only

1.52	B) One Khallasi	700.000	hour		0.00	INR Zero Only
1.6	<b>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 &amp; break down maintenance, attending complaints/ faults, taking rectification actions by providing and replacing all spare parts and Mobile oil, filters etc. if required excluding 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.</b>					
1.61	A) 1x75KVA of Cummins make at Substation no. 1	24.000	Job per month		0.00	INR Zero Only
1.62	B) 1x75KVA of Kirloskar make at Substation no. 1	24.000	Job per month		0.00	INR Zero Only
1.63	C) 1x250KVA of Kirloskar make at Substation no. 1	24.000	Job per month		0.00	INR Zero Only
1.64	D) 2x380KVA of Jyoti make at Substaion no.11	24.000	Job per month		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.	2260.000	liter		0.00	INR Zero Only

1.8	Comprehensive maintenance of various types of following water supply and sewage Pump sets with Motors installed at different locations in Pragati Maidan and Bhairo Road parking complete with lifting, lowering, repairing, rewinding, including preventive maintenance, break down maintenance, attending complaints/ faults, taking rectification actions by providing and replacing wornout parts, water seal etc. as required a) 7.5-20HP Sewage Motor Pump sets=5Nos b) 5HP submersible Motor Pumps sets=3Nos c) Upto 5HP Monoblock Motor Pump sets(Being used with water softner system and makeup water for cooling tower,toilet tanks) =20 Nos	24.000	Job per month		0.00	INR Zero Only
1.9	Operation of Water supply and sewage pumps at Pragati maidan New Delhi by engaging following pump operators from 9 AM to 5 PM on all days excluding weekly rest days and holidays etc as required. a)Pump operator= 2Nos(For 8Hrs Shift) (Note-Weekly rest for Pump operators shall be shifted during non-exhibition days)	24.000	Job per month		0.00	INR Zero Only
2	Overtime payment for Operation of item No-1.9 i.e. Pumps after and before duty hours and on holidays for engaging following manpower:- One Pump operator	300.000	hour		0.00	INR Zero Only
2.1	<b>SITC of following rating 3 pole MCCB in the existing panel as required at Pragati Maidan, New Delhi (Make: ABB, L&amp;T, Schneider, Siemens or equivalent).</b>					
2.11	(a) 100Amp, 30kA breaking capacity	5.000	nos		0.00	INR Zero Only
2.12	(b) 200Amp, 36kA breaking capacity	5.000	nos		0.00	INR Zero Only
2.13	(c ) 250Amp, 36kA breaking capacity	5.000	nos		0.00	INR Zero Only
<b>Total in Figures</b>					<b>0.00</b>	INR Zero Only
<b>Quoted Rate in Words</b>		<b>INR Zero Only</b>				