

BOQ

Sub : Annual Maintenance Contract of Electrical Transformers/ Panels / Circuit Breakers etc of Substations 1,2,4,5 & 6 at IISER Mohali - reg.

S. No.	Description	Qty.	Make	Unit	Rate	AMOUNT
A	Annual maintenance and repair of 11 KV electrical substations namely Substations 1,2,4,5,6 comprising of oil filled 11/.433 KV transformers: 2 nos. of 500KVA Voltamp make, 3 nos. of 1600KVA Kirloskar make, 2 nos of 1600 KVA Voltamp make, 2 nos of 1600 KVA Voltamp make, 2 nos of 1000KVA Kirloskar make; Crompton Greaves & Kirloskar make HT panels and breakers with electronic relays, electronic voltmeter, ammeter, HT VCB, LT panel with busbars, ACBs of L&T & ABB make, 63A TPNS, Battery with battery charger, MCCBs, electronic voltmeter, ammeter, relays, APFC panels etc. All switches and breakers are well connected to underground HT/LT cables laid in trenches with proper thimbles and the substations are fully operational with the following :					
1	11 KV HT Vacuum circuit breaker of capacity 800A.	22	Crompton Greaves/ Kirloskar	Nos		
2	LT Air circuit breaker of capacity 800A to 2500A	55	ABB/L&T	Nos		
3	APFC panel of capacity 100 to 400 KVAR	10	Milestone/As sociated switcgears	Nos		
5	PLC system validation including hardware abd logic but excluding spares and software.	3	Siemens/L& T or eq	Nos		
				Total		
				Taxes		
				Gross Total		
B	Percentage increase over item A above for the 2nd year of AMC					
C	Percentage increase over rates of consumables for the 2nd year of AMC					

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Sub : Consumables,parts etc to be used during Substation AMC on need basis - reg.

S. No.	ITEM	UNIT	QTY	RATE	Taxes (additional)	Total
1	Ampere meter (Analog type),Make : AE or eq	Nos	1			
2	Volt meter (Analog type), Make : AE or eq	Nos	1			
3	Ampere meter (Digital type) Make : Schneider	Nos	1			
4	Volt meter (Digital type) Make : Schneider	Nos	1			
5	Indicator unit of colour red,yellow,green , Make : ABB or eq	Nos	1			
6	Indicator unit of colour blue , Make : ABB or eq	Nos	1			
7	Power pack for 11 KV HT panel, Make : Alan	Nos	1			
8	Capacitor for capacitor panel, Make : Schneider/Epcos/ABB	kvar	1			
9	Multifunction meter,Make : Schneider	Nos	1			
10	PT fuse 11 KV,Make : Anand	Nos	1			
11	Dehydration of transformer of capacity 500 to 1600 KVA	Each	1			
12	MCCB 100 A,3P,Make : ABB Sace Tmax switch type/ ABB Tmax extended knob type/L& T	Each	1			
13	MCCB 200 A,3P,Make: ABB Sace Tmax switch type/ ABB Tmax extended knob type/L& T	Each	1			
14	MCCB 250 A,3P,Make : ABB Sace Tmax switch type/ ABB Tmax extended knob type/L& T	Each	1			
15	MCCB 400 A,3P,Make : ABB Sace Tmax switch type/ ABB Tmax extended knob type/L& T	Each	1			
16	MCCB 630 A,3P,Make : ABB Sace Tmax switch type/ ABB Tmax extended knob type/L& T	Each	1			
17	MCCB 800 A,3P,Make : ABB Sace Tmax switch type/ ABB Tmax extended knob type/L& T	Each	1			
18	Extended type knob/handle for MCCB upto 250 A, Make: ABB/L& T	Each	1			
19	Extended type knob/handle for MCCB 250 A to 630 A, Make: ABB/L& T	Each	1			

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