RENOVATION OF NADANGHAT BRANCH BOQ FOR ELECTRICAL INSTALLATION WORKS

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SL.No.	ITEM DESCRIPTION	Unit	Qty.	Rate (Rs)	Amount (Rs)
1	Supply and installation(Concelaed) of Double door 4way		1		
	VTPN DB with MCCB having breaking capacity of 16 KA				
	with a) incoming-				
	1 No of 63A,4P MCCB b)outgoing - 5 Nos. of 32 A SP MCB (C series) with Necessary blanking				
	plate as required. for AC DB				
2	Supply and installation(Concelaed) of Double door 6way	Nos.	1		
	VTPN DB with MCCB having breaking capacity of 16 KA.				
	with a) incoming				
	01 No of 100A, 4P MCCB b) outgoing -				
	04 Nos. of 25/32 A SP MCB(C series) and 02 No. of 40A SP				
	MCB(UPS input), 1 No. of 40A TP MCB with Necessary				
	blanking plate as required.(As per IS8828-96Latest)" for				
	MAIN DB (DG backup)				
3	S& F 40 amps 4P MCB C series in metal enclosure including	Nos.	2		
	interconnection with suitable size of copper wire) for master				
	control lighting & Raw Power.				
4	Supply and fixing of TPN MCB DB (Double door) with		1		
	following accessories: a) 1 No. of 40A TP MCB as incomer				
	b) 6 nos 16A SP MCB , 3 Nos. of 40A SP MCB for Lighting &				
5	Raw power points. Supply and fixing of SPN MCB DB (Double door) with	Noc	1		
3			'		
	following accessories: a) 1 No. of 40A, 100 mA DP RCBO				
	as incomer b) 4 nos 10A SP MCB (Lighting DB)				
6	Supply & installation(concealed) of double door 12way SPN		4		
	MCB DB with following accessoriesa)1 No. 40 amp. 100 mA				
	DP RCBO as incomer b) 4 Nos. 16 A SP MCB				
	(Computer/Raw power DB)				
7	Supply & fixing on wall industrial Plug & socket DB in	Nos.	4		
	metal enclosure with one 40 Amps industrial socket				
	(P+N+E) but with 40 Amps SP MCB duly inter connected.(UPS output)				
8	Supply,installation and commissioning of 1 No. of double	Nos	0		
Ü		1100.			
	door type. MCCB DB with 63 A MCCB at incomer and 2 Nos.				
	of 40A MCB at outgoing for UPS input, 2 No. of 32 A MCB				
9	for Air-conditioner and 1 No. of 16 A SPMCB for light circuit.	Nos.	0		
9	Supply & Installation (AC-Timer DB) of 4 hours automatic	1105.	0		
	power switching controller for AC with electronic timer and				
	manual in double door powder coated MS box. Regulate				
	cyclic operation of 2 AC, should include: 32A DP 100mA RCBO, electronic timer QT31, 2No's 3P contactor, 2 No's				
	20A DP MCB, 2 No's modular switch, 2 indicator.				
10	Supply & installation of 1.1 KV Grade PVC insulated and				
	sheathed armoured AL cable with GI earth continuity wire by				
	1				
a)	MS bar saddles on wall 3x1/2 c X 50 SQ MM	RM	40		
b)	3x1/2 C X 25 sq mm	RM	90		
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11	End connection of above cable with heavy duty nickle plated			<u> </u>
''	brass compression gland crimping type socket insulation			
a)	tape etc. with all concern. 3x1/2 C X 25 sq mm	Nos.	8	
b)	3x1/2 c X 50 SQ MM	Nos.	2	
12	SX 1/2 C X 30 SQ IVIIVI	Nos.	1	
12	Supply & fixing of 100A FP ON Load Change over (Front handle) including interconnection with suitable size of copper.		•	
13	Supply & installation of TPN front operated 160A, 25KA, 4P	Nos.	1	
	MCCB (adjustable overload and fixed short circuit) in factory			
	fabricated, powder coat painted metal enclosure complete			
	along with statutory caution board, earthing and having wall			
	mounting hinges etc. The box must have sufficient space for			
14	Aluminium cable termination upto 50 sqmm. "Supply & installation of 16 SWG thickness sheet steel	Noo	1	
14			'	
	enclosure including the following duly interconnected with			
	2nos. 32 A DP OFF load change over switch in metal			
	enclosure and distribution in various areas. i) 5 Nos. 25 mm			
	x 6 mm x 300mm tinned copper bus bars (Ph-2,N-2,E-1) ii) 6			
	Nos. 32 Amp DP MCB and 2 Nos. neutral connector and 2			
	Nos. neutral (UPS Changeover)"			
15	Electric Main Panel:-Supply and Installation,testing and commissioning of floor/wall mounted Electric panel fabricated with 16SWG CRCA sheet. The panel shall be dust and vermin proof including internal connection with bus bar/cables up to the terminals duly painted with two coats of powder coated paint,danger board etc. and comprising of the following:- INCOMER: 1 No. of 160A,4P,25KA MCCB with control fuses three LEDs R,Y,B.(WBSEDCL) along with ammeter & Voltmeters of relevant range and selector switch and a) 1 No. of 100A 4P MCCB, 25 KA, b) 1 Nos. of 63A 4P MCCB, 25 KA at outgoing with three LEDS with control fuse for R,Y,B indication along with ammeter & Voltmeters of relevant range & selector switch with 200 amp tinned copper busbar (Normal Supply busbar).	set	1	
16	Wiring/cabling with 660/1100 V grade PVC insulated multi			
	stranded copper wire/cable through ISI marked minimum 2			
	mm thick PVC conduit with junction box ,circular box, elbows			
	,bends, couplers and other accessories concealed (below			
	the false ceiling) or by chase cutting on wall /floor or on			
	surface by bar saddles.			
a)	2X4 sq mm +1X2.5 sq mm	RM	280	
b)	2X2.5 sq mm +1X1.5 sq mm	RM	290	
c)	2x6 sq mm+1x2.5 sq mm	RM	40	
d) e)	4x6 sq mm +2x2.5 sq mm 4x10 sq.mm.+2x2.5 sq mm	RM RM	50 0	
d)	4x4 sq mm + 2x2.5 sq mm	RM	0	
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17	Supply and laying of 1100 V grade PVC insulated multi	RM	5		
	stranded copper wire/cable through ISI marked GI				1
	flexible conduit with junction box ,circular box, elbows				1
	bends, couplers and other accessories on surface by				
	bar saddles with 4X16 sq mm +2X6 sq mm.				
	war saudio mili 77.10 by mili 1270 by mili				1
	Outputs and fining of 000A fives such a 4 to 1 to 1				ļ
18	Supply and fixing of 200A fuse cut out including fuses	Nos.	1		
	for WBSEDCL or CESC power connection				
19	BEMS CONDUIT WIRING (LOCKER / RECORD ROOM/				
	STATIONARY/ Kitchen)				
	Point wiring with 660Vgrade PVC insulated copper wire (
	FRLS) 3 x 1.5 sq.mm. in 16 SWG MS conduit (ISI Marked)				
	conduit alongwith conduit accessories circular boxes, MS				
	boxes, 6 Amps Modular type Switch socket outlets 6 pin, all				
	1				
	individual control switch etc. Conduit size & nos of wires in				
	conduit as per code of practice with circuit wiring with (2x2.5				
	+1X1.5) sq.mm. copper wire from MCB DB.)				1
a)	Fluorescent Point	Nos.	15		
b)	Ceiling Fan Point with electronic regulator	Nos.	4		
c)	Exhaust Fan Point	Nos.	2		1
e)	Ceiling Fan point with regulator	Nos.	3		
d)	Board plug point 5 pin 5 Amps socket & switch.	Nos.	10		
					-
20	S&F Tinned copper Earth Bar on insulator (25 mm	Nos.	1		1
21	x6mmx300mm) Supply & installation of Modular MS Flush Metal box with	CO+	15		-
21	1		15		
	front plate enclosing the following duly interconnected :a) 2				1
	Nos 16A switch & 2 Nos 6A Socket outlet and 1 no. 6/16A				1
	socket outlet with indicator b) 1 No. mounting box c) 1 No.				1
	front plate				1
22	Distribution wiring including new point wiring 660 volt grade	set	15		
			. •		1
	2x2.5+1x1.5 sq.mm. (copper) PVC insulated flexible wire in				1
	20 mm dia. Rigid PVC (ISI Marked) conduit along with				1
	Conduit accessories circular boxes, MS boxes, 2x 6 Amps +				1
					1
	2x6Amps modular type switch and socket				ļ
23	Distribution wiring including new point wiring 660 volt grade	set	12		1
	2x1.5+1x1.5 sq.mm. (copper) PVC insulated flexible wire in				1
	20 mm dia Rigid PVC (ISI Marked) conduit along with				1
					1
	Conduit accessories circular boxes, MS boxes, 1x 6A + 1x6A				1
	modular type switch and socket				<u> </u>
24	Supply & installation of MS Flush metal box with front plate	set	10		
	and a sing the following duly interesses () AAA 40				1
	enclosing the following duly interconnected a) 1 Nos 16 amp				1
	switch & 1 Nos 6/16 amps socket outlet with indicator b) 1				1
	·				1
	No. mounting box c) 1 No. front plate				
25	<u>FANS</u>				
	Supply & Installation of 12" dia Exaust fan 900 rpm with	Nos.	3		
	louver including hole cutting				
26	Supply & Installation of 9" dia Exaust fan 900 rpm with	Nos.	1		
	louver including hole cutting				
27	Supply of of 48" high speed, 330rpm, air delivery 220 CMM,	Nos.	4		
					1
	ceiling fan, low power consumption upto 50W (colour white)				
28	Supply & Installation of 16" high speed, double ball bearing	Nos.	10		
	wall mounted fan (metal body)				<u> </u>
29	LED LIGHT FITTINGS				
•	•			•	-

Im/w, LED 6000-6500 K with surge protection of 2,5 Volts 30 Supply & fixing of LED littable astra Spot light 31 Supply & fixing o LED littable astra Spot light 32 Supply & fixing o LED littable astra Spot light 33 Supply & fixing of LED littable astra Spot light 34 Supply and fixing of 24W 830 IP20 5M LED flext strip with Nos. 5 35 Supply and fixing of extruded 4 ft. aluminium batten 20 W los. 5 36 Supply and fixing of extruded 4 ft. aluminium batten 20 W los. 5 37 Supply and fixing of angular /batten holder with 9 W LED los. 9 38 Supplying and fixing of angular /batten holder with 9 W LED los. 9 39 Supplying and fixing of angular /batten holder with 9 W LED los. 9 30 Supplying and fixing of angular /batten holder with 9 W LED los. 9 30 Supplying and fixing of angular /batten holder with 9 W LED los. 9 30 Simbibution wiring(concealed/surface) including new point wiring 660 volt grade 3x1.5 sq.mm. (cu) PVC flexible wire in 20 SWG Rigid PVC (ISI Marked medium grade) conduit along with Conduit accessories circular boxes, M5 boxes, 6 Amps Modular Type switch with socket outlets 6 pin, all individual control switch etc. Conduit size & nos of wires in conduit as per code of practice with ricruit wiring with (2x2.5 + 1X1.5) sq.mm. copper wire from MCB DB to respective switch board N IB. (I)Earth & neutral may be looped but from the last point earth & Neutral has to be connected with switch board (ii)Point wiring should be inclusive of continuous wire length up to the connection block of light fittings/fans. 30 Fluorescent Point 31 Light point(one switch control sone light) 32 Nos. 2 33 Light point(one switch control would gibts) 34 Nos. 2 35 Light point(one switch control would gibts) 36 Supply & fixing 16 Amps with switch. 37 Supply & fixing 16 Amps with switch. 38 Supply & fixing 16 Amps with switch. 39 Supply & fixing 11-18 amp north-west motor sarder with plutor indicator type socket IN ms BOX WITH HYLAM 40 Earth station with 50 mm dia 3 mts. length Gippe (Class B) buried at an average dep	1	0 10 5 7 7 11 11 0500 14 1000 1			ı	1
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33 Supply and fixing of 24W 830 IP20 5M LED flexi strip with Nos. 5 driver. 34 Supply and fixing of extruded 4 ft. aluminium batten 20 W Nos. 20 LED Tube fittings. 35 Supplying and fixing of angular /batten holder with 9 W LED Nos. 9 lamp on wall or ceiling with necessary interconnection. 36 Distribution wiring(concealed/surface) including new point wiring 680 volt grade 3x1.5 sq.mm. (cu) PVC flexible wire in 20 SWG Rigid PVC (ISI Marked medium grade) conduit along with Conduit accessories circular boxes, MS boxes, 6 Amps Modular Type switch with socket outlets 6 pin, all individual control switch etc. Conduit size & nos of wires in conduit as per code of practice with circuit wiring with (2x2.5 + 1X1.5) sq.mm. copper wire from MCB DB to respective switch board. NB. (I)Earth & neutral may be looped but from the last point earth & Neutral has to be connected with switch board. Wil)Point wiring should be inclusive of continuous wire length up to the connection block of light fittings/fans. a) Fluorescent Point a) Light point(one switch controls one light) Nos. 28 c) Light point(one switch controls two lights) Nos 28 c) Light point(one switch control three lights) Nos. 2 d) Exhaust Fan point Nos. 2 d) Exhaust Fan point with regulator Nos 0 f) Call bell (with supply and fixing call bell) Nos. 2 g) Wall Bracket Fan point with fe amp 5pin socket Nos 10 h) Board plug point 5 pin 5 Amps with switch. Nos. 6 37 Supply & fixing 11-18 amp north-west motor starter with Nos. 4 Supply & fixing 11-18 amp north-west motor starter with Nos. 4 Supply & fixing 16 amp plug top with indicator Nos 10 Marking with printed stiker of electrical DBs,SFU,and individual circuit in UPS DB,LDB of switch board and UPS power etc. 41 Earthing as per IE 3043 Rules including making of 1 No. Nos. 4 Earthing as Per IE 3043 Rules including making of 1 No. Nos. 4 Earthing as Per IE 3043 Rules including making of 1 No. Nos. 4 Earthing as Per IE 3043 Rules including making of 1 No. Nos. 4 Earthing as Per IE 3045 Rules including mak						
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43	Supply and fixing of GI earth strip of size 25 mm x 3mm with	RM	30	
	insulator at 2 feet interval and all accesssories nut bolts			
	wasser etc. as required connection complete			
44	Supplying, installation, testing & commissioning of Security	Nos.	4	
	ligh with 25W LED lamps with pressure die cast housing			
	with epoxy coated dark graphite grey colour finish and			
	prismatic polycarbonates cover with individual LED lenses,			
	including necessary GI bracket with clamp.			
	TOTAL QUOTED AMOUNT (EXCLUDING GST)			

Makes of the materials as per the list of Approved Make as mentioned in Notice Inviting Tender