	BOQ - ELECTRICAL WORKS AT "REGION	NAL OFFICE	E" CANARA	A BANK AGF	RA
S.NC	Description of items	Quantity	Unit	Rate	Amo. in RS
	Dismantling existing of wiring, light and fan point, and data cabling etc	1.00	Job		
	Light & Fan point				
2	Supply and fixing of light & Fan points with 2No.s of 1.00 Sq. mm PVC insulated copper cable in PVC conduit and PVC accessories like bend, J- Box, MS box, suitable sheet, 5Amp. One way switch modular type (shoket 5 pin 6 Amp for light plug point) fixing the pipe and with chasing of wall and making it good with cement mortor 1:5. Some points may require ceiling rose or baton holder with 2 no.s of 2.5 sqmm and one no. of 1.00 sqmm copper conductor cable from L & F DB to switch board as submain wiring complete in all respect including connection, testing and commissioning etc. complete.				
	Primary point (one point controlled by one 6 Amp. Switch)	96.00	No.s		
а 	Primary point (one point controlled by one 6 Amp. Switch)				
b	Secondary point (Two point controlled by one 6 Amp. Switch)	17.00	No.s		
3	POWER POINTS				
	Supply and fixing of power points with MS Box, sheet and 16 Amp. Switch modular type and shocket making with chassing of wall and making it good with cement mortor 1:5 , WITH 2 NO.S OF 2.50 SQMM AND ONE NO. OF 1.00 SQMM copper conductor cable from DB to power point as submain wiring complete in all respect including connection and testing, PVC conduit etc. complete.				
а	Primary points (one point controlled by one 6 Amp.	35.00	No.s		
b	Secondary point (Two point controlled by one 6 Amp. Switch)	8.00	No.s		
4	TELEPHONE POINT				
	Supply and Fixing 1 No. of Telephone shocket modular type with MS Box and suitable sheet, PVC conduits and PVC accessories including chassing of walls and making it good with cement mortor 1:5 including 2 pair telephone wire with connection and testing etc. complete.	60.00	No.s		
5	UPS POINT				
	Supply and Fixing UPS, output terminal Box with 1 No. of 16 Amp 6 pin socket modular type and 2 No.s of 6 Amp. 5 pin shocket, 1 No. of 6 Amp. Switch with suitable sheet and MS box (PVC Box) making with chassing of walls and making it good with cement mortor including 2 no.s of 2.5 sqmm and 1.00 sqmm copper conductor cable from DB to UPS point as submain wiring connection, connection, testing etc. complete. The item shall also include the supply and fixing of conduit ,etc. wherever chasing not possible.				
а	One point controlled by one no. SP MCB	28.00	No.s		
b	Four point controlled by one no. SP MCB	7.00	No.s		
6	AC Points				

	Supply and Fixing of indoor AC supply point with 2 no.s of		l	
	1 '''			
	1.5 sqmm and one no. of 1.0 sqmm PVC insulated			
	copper conductor cable including PVC conduit and			
	16Amp switch &			
	socket moduler type with mounting box & phase plate.			
	The item shall also include the supply and fixing of	18.00	No.s	
7	WIRING			
	Supply and fixing of 2 No.s of 2.50 Sq. mm and 1 No. of			
	1.0 Sq mm PVC insulated copper conductor wires in			
	and including PVC conduit fixing on walls or chassing the			
	, ,			
	walls and making it good with cement mortar of 1:5 ratio			
	including Connecting ,testing etc. compete for Light &			
	fan circuits, power points, UPS output etc. & glow sign	230.00	Rmt.	
8	Supply and fixing of 2 No.s of 6.00 Sq. mm and 1 No. of	200.00	1 4114	
1 "	1 '''			
	2.50 Sq mm PVC insulated copper conductor wires in			
	and including PVC conduit fixing on walls or chassing the			
	walls and making it good with cement mortar of 1:5 ratio			
	including Connecting ,testing etc. compete for ac circuits			
	, light and fan DB circuits , UPS incommer wiring , main			
	conection wiring etc. complete distribution board.			
		100.55		
		120.00	Rmt.	
9	Supply ,fixing ,testing, commissioning of PVC insulated			
	copper conductor 6 sqmm. 4 core XLPE cable with 1			
	no.s of 8 swg G.I. earth wire with proper sheddling /			
	laying in wall incuding chasing end to end connection for			
	UPS outgoing.	140.00	Rmt.	
10	Supply ,fixing ,testing, commissioning of PVC insulated			
	copper conductor 10 sqmm. 4 core armoured XLPE			
	cable with 2 no.s of 8 swg G.I. earth wire with proper			
	sheddling / laying in wall incuding chasing end to end			
	connection.	260.00	Rmt.	
11	Supply ,fixing ,testing, commissioning of PVC insulated			
' '	copper conductor 16 sqmm. 3.5 / 4 core armoured XLPE			
	cable with 2 no.s of 8 swg G.I. earth wire with proper			
	sheddling / laying in wall incuding chasing end to end	50.00	Rmt.	
40	connection.	50.00	riiit.	-
12	Supply ,fixing ,testing, commissioning of PVC insulated			
	copper conductor 25 sqmm. 4 core armoured XLPE			
	cable with 2 no.s of 8 swg G.I. earth wire with proper			
	sheddling / laying in wall incuding chasing end to end			
	connection.	180.00	Rmt.	
13	Supply, fixing, testing and commissioning of 10 pair			
	telephone cable PVC insulated and copper conductor.		_	
		280.00	Rmt.	
	Distribution Board (All MCB's shall be C-curve)			
14	Supply and Fixing of 8 way SPN DB MS painted factory			
	fabricated with 1 No. of 32 Amp DP MCB and 6 No.s of 6			
	32 Amp SP MCB complete with connection ,			
	testing,complete for Glow sign DB, C.C camera & fire			
	1 • ,	1.00	Nos.	
	detection system.	1.00	1403.	+
<u> </u>			ļ	
15	Supply, fixing, testing and commissioning of 4 way TPN			
	MCB DB factory fabricated with 12 Nos. of 6-32 Amp SP			
	MCB and 1 Nos. of 63 Amp. TPN MCB for L&F.	0.05	.	
		2.00	Nos.	
			<u> </u>	
			-	

16	Supply, fixing, testing and commissioning of 8 way TPN				
	MCB DB factory fabricated with 24 Nos. of 6-32 Amp SP				
	MCB and 1 Nos. of 63 Amp. TPN MCB for Power point				
	sets.	4.00	Nos.		
17	Supply, fixing, testing and commissioning of 63 Amp 4				
	pole MCCB 35KA with MS enclosure in UPS room.				
		1.00	Nos.		
18	Supply, fixing, testing and commissioning of 100 Amp.				
'0	TPN copper bus bar having all nut bolt, washer & door				
	type MS enclosure in UPS room.	4.00	Nos.		
	type wis enclosure in ors room.	1.00	1100.		
40	0 6				
19	Supply, fixing, testing and commissioning of 63 Amp 4				
	pole MCB with MS enclosure for UPS incomer &				
	outgoing.	16.00	Nos.		
20	Supply, fixing, testing and commissioning of 200 pair				
	telephone distribution box with MS enclosure and				
	krone modules for 200 pairs with proper laying diagram.				
	I want make to 200 pana man proper laying alagrams	1.00	Nos.		
	Fixture & Fittings				
24	_				
21	Supply , fixing, testing and commissioning of 1200 mm				
	sweep ceiling fan of crompton make , (Al. blade), 70				
	watts input power, 370 RPM, air delevery of 230CuM/Min				
	with socket step type regulator				
	etc. complete. (fan rod size as per site requirement)	30.00	No.s		
22	Same as above but 900mm ceiling fan.				
	ourne as above but occurring fart.	2.00	No.s		
23	Supply, fixing, testing and commissioning of 400 mm				
	sweep wall fan of crompton Grieves make (hi-flow wave				
	module), 50 watts input power, 1300 RPM, air delevery of				
	60 CuM/Min.	7.00	No.s		
0.4	Complete 6 Stations of 7 week LED had a face and a		 	1	+
24	Supply & fixing of 7 watt. LED bulb of approved make				
	with batten holder.	10.00	No.s		
25	Supply , fixing, testing and commissioning of 1 x 18 watt		1		+
23	surface mounted LED batten fitting. (PHILIPS)		l		
	Surface mounted LED battern fitting. (PHILIPS)	26.00	No.s		
			1	1	
26	Supply , fixing, testing and commissioning of 600mm X				
	600mm 36/40 watt recessed type high performance		1		
	decorative LED luminaries. (PHILIPS , OSRAM &				
	HAVELLS)		NI-		
	" \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	44.00	No		
27	Supply , fixing, testing and commissioning of LED down				
	lighter. (Philps)	23.00	N _C		
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28 Supply , fixing, testing and commissioning of exhuast fans/ Fresh air fan. Earthing 29 Supply , fixing, testing and commissioning of Earthing electrode with suitable digging and back fill compound (use 50 L Ishan make electrode & back fill compound). 30 Supply and fixing of 25X3 MM G.I. strip from earth pit to Main board. 31 Supply , fixing, testing and commissioning of G.I. Earth link with not bolt etc complete. 32 Main panel Designing , manufacturing , installation , testing & commissioning of cubical type panel made from 16 SWG CRCA sheet (with MS chanel) for grouting on walls/ floor) complete with MCCBS , MCBs , Meter etc. complete in all respect , insulated bus bar with heat shrinkable PVS slleve in suitable bus bar chamber , wirring name plate, danger plate , earth bus bar etc . comprsing of compartment with hinged doors and rubber gas kit , bus bar chamber with bolted doors and rubber gas kit etc. the panel shall be of dust and vermin proof construction and to be painted primer and smoke grey paint in two coats . The panel should be comprises of fallowing (as a facetation ID EA) INCOMER 250 Amp 3 pole MCCB 25 KA with handle mechanism 1.00 No R-Y-B phase indicator 1.00 No OUTGOING 100 Amp 3 pole MCCB 25 KA 400 amp. Electrolytic alumium bus bar 1.00 No 63 amp.TPN MCB Complete one job as per above descrption 1.00 Job DATA CABLING	l l				
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34 Supply, fixing, connecting & testing of 24 port eathernet switch D-link make (model rack mounted type).		Job	1.00	Complete one job as per above descrption	
switch D-link make (model rack mounted type).					
switch D-link make (model rack mounted type).					34
3.00 Nos		Nos	3.00	switch D-link make (model rack mounted type).	
3.00 1105		1403	0.00		
35 S/F/T/C/ of patch panel 24 port		Mac	2 00	35 S/F/T/C/ of patch panel 24 port	35
3.00 Nos		NOS	3.00	-	
36 Supply, fixing, testing and commissioning of patch cord				36 Supply, fixing, testing and commissioning of patch cord	36
2.0 M.D. link make		Nos	70.00	1 ,, ,	
70.00 Nos		NUS	10.00		
37 Supply, fixing, testing and commissioning of 1 No. of Info.				37 Supply, fixing, testing and commissioning of 1 No. of Info.	37
Outlet box with PVC box, surface plate and RJ45				Outlet box with PVC box, surface plate and RJ45	
connector alongwith Cat 6E cable in suitable PVC				-	
conduits from networking rack to I.O. 60.00 Nos		Nos	60.00	conduits from networking rack to I.O.	

38					
	Supply, fixing, testing commissioning of 600mm depth 12				
	U rack with all accessories like power strip, ventilation				
	fan, cable manager, two no.s tray etc complete.				
	,	2.00	Nos		
		2.00	1100		
20	Committee finite at Annahim and a committee in the state of Committee in the				
	Supply , fixing, testing and commissioning of 2mm thk	40.00			
	electrical insulation rubber mat of size 1m X 1m.	10.00	Nos		
40	S/F/T/C of 300x50x50 mm cable tray with suspended				
	threted box including fastner and MS support with all				
	Bending arrengament.	60.00	Rmt		
		L		Total R	9
				Totalit	-
	DOO ELECTRICAL MORKS AT II	DALIII CAN	ADA DANI	(ACDA	
	BOQ - ELECTRICAL WORKS AT "	RAH CAN	AKA DANI	AGRA	1
0 110	Description of items	0	I I a !4	Dete	Ama in DO
S.NO	•	Quantity	Unit	Rate	Amo. in RS
1	Dismantling existing of wiring, light and fan point, and	1.00	Job		
	data cabling etc				
	Light & Fan point				
2	Supply and fixing of light & Fan points with 2No.s of 1.00				
	Sq. mm PVC insulated copper cable in PVC conduit and				
	PVC accessories like bend, J- Box, MS box, suitable				
	sheet, 5Amp. One way switch modular type (shoket 5				
	pin 6 Amp for light plug point) fixing the pipe and with				
	chasing of wall and making it good with cement mortor				
	1:5. Some points may require ceiling rose or baton holder				
	with 2 no.s of 2.5 sqmm and one no. of 1.00 sqmm				
	copper conductor cable from L & F DB to switch board as				
	submain wiring complete in all respect including				
	connection, testing and commissioning etc. complete.				
а	Primary point (one point controlled by one 6 Amp. Switch)	55.00	N.I		
		55.00	No.s		
3	POWER POINTS				
	Supply and fixing of power points with MS Box, sheet and				
	16 Amp. Switch modular type and shocket making with				
	chassing of wall and making it good with cement mortor				
	1:5 , WITH 2 NO.S OF 2.50 SQMM AND ONE NO. OF				
	1.00 SQMM copper conductor cable from DB to power				
	point as submain wiring complete in all respect including				
	connection and testing, PVC conduit etc. complete.				1
	2225 Grid Colling, 1 VO Collidate Cic. Colliptoto.				
а	Primary points (one point controlled by one 6 Amp.				
	Switch)	17.00	No.s		
4	TELEPHONE POINT				
	Supply and Fixing 1 No. of Telephone shocket modular	T			
	type with MS Box and suitable sheet, PVC conduits and				
	PVC accessories including chassing of walls and making				1
	it good with cement mortor 1:5 including 2 pair telephone				
	jil qooq wilii cemeni. Mortor 1.5 McIudina 2 bali telebhoner			1	1
		l			
	wire with connection and testing etc. complete.	14.00	No.s		
5		14.00	No.s		

	Supply and Fixing UPS, output terminal Box with 1 No. of 16 Amp 6 pin socket modular type and 2 No.s of 6 Amp. 5 pin shocket, 1 No. of 6 Amp. Switch with suitable sheet and MS box (PVC Box) making with chassing of walls and making it good with cement mortor including 2 no.s of 2.5 sqmm and 1.00 sqmm copper conductor cable from DB to UPS point as submain wiring connection, connection, testing etc. complete. The item shall also include the supply and fixing of conduit ,etc. wherever chasing not possible.				
а	One point controlled by one no. SP MCB	7.00	No.s		
b	Four point controlled by one no. SP MCB	3.00	No.s		
6	AC Points				
7	Supply and Fixing of indoor AC supply point with 2 no.s of 1.5 sqmm and one no. of 1.0 sqmm PVC insulated copper conductor cable including PVC conduit and 16Amp switch & socket moduler type with mounting box & phase plate. The item shall also include the supply and fixing of conduit, etc. wherever chasing not possible.	4.00	No.s		
7	WIRING				
	Supply and fixing of 2 No.s of 2.50 Sq. mm and 1 No. of 1.0 Sq mm PVC insulated copper conductor wires in and including PVC conduit fixing on walls or chassing the walls and making it good with cement mortar of 1:5 ratio including Connecting ,testing etc. compete for Light & fan circuits, power points, UPS output etc. & glow sign board.	150.00	Rmt.		
8	Supply and fixing of 2 No.s of 6.00 Sq. mm and 1 No. of 2.50 Sq mm PVC insulated copper conductor wires in and including PVC conduit fixing on walls or chassing the walls and making it good with cement mortar of 1:5 ratio including Connecting ,testing etc. compete for ac circuits , light and fan DB circuits , UPS incommer wiring , main conection wiring etc. complete distribution board.				
		60.00	Rmt.		
	Supply ,fixing ,testing, commissioning of PVC insulated copper conductor 6 sqmm. 4 core XLPE cable with 1 no.s of 8 swg G.I. earth wire with proper sheddling / laying in wall incuding chasing end to end connection for UPS outgoing.	80.00	Rmt.		
10	Supply, fixing, testing and commissioning of 10 pair telephone cable PVC insulated and copper conductor.	100.00	Rmt.		
	Distribution Doord (All MODIs aball by Oscara)				
11	Distribution Board (All MCB's shall be C-curve)				
11	Supply, fixing, testing and commissioning of 4 way TPN MCB DB factory fabricated with 12 Nos. of 6-32 Amp SP MCB and 1 Nos. of 63 Amp. TPN MCB for L&F.	2.00	Nos.		
12	Supply, fixing, testing and commissioning of 8 way TPN MCB DB factory fabricated with 24 Nos. of 6-32 Amp SP MCB and 1 Nos. of 63 Amp. TPN MCB for Power point sets.	1.00	Nos.		
			1	<u>[</u>	1

13	Supply, fixing, testing and commissioning of 63 Amp 4				<u> </u>	
13	pole MCB with MS enclosure for UPS incomer & outgoing.	2.00	Nos.			
14	Supply, fixing, testing and commissioning of 50 pair telephone distribution box with MS enclosure and krone modules for 50 pairs with proper laying diagram.	1.00	Nos.			
	Fixture & Fittings					
15	Supply , fixing, testing and commissioning of 1200 mm sweep ceiling fan of crompton make , (Al. blade), 70 watts input power, 370 RPM, air delevery of 230CuM/Min with socket step type regulator	9.00	No.s			
	etc. complete. (fan rod size as per site requirement)	9.00	NO.S			
16	Supply, fixing, testing and commissioning of 400 mm sweep wall fan of crompton Grieves make (hi-flow wave module), 50 watts input power, 1300 RPM, air delevery of 60 CuM/Min.	2.00	No.s			
	SS SAMMINI					
17	Supply & fixing of 7 watt. LED bulb of approved make with batten holder.	8.00	No.s			
18	Supply , fixing, testing and commissioning of 1 x 18 watt surface mounted LED batten fitting. (PHILIPS)	12.00	No.s			
19	Supply , fixing, testing and commissioning of 600mm X 600mm 36/40 watt recessed type high performance decorative LED luminaries. (PHILIPS , OSRAM & HAVELLS)	16.00	No			
	TIAVELLO)	10.00	110			
20	Supply , fixing, testing and commissioning of LED down lighter . (Philps)	5.00	No			
21	Supply , fixing, testing and commissioning of exhuast fans/ Fresh air fan.	4.00	No			
20	Earthing					
22	Supply , fixing, testing and commissioning of Earthing electrode with suitable digging and back fill compound (use 50 L Ishan make electrode & back fill compound).	2.00	No			
23	Supply and fixing of 25X3 MM G.I. strip from earth pit to Main board.	10.00	RM			
24	Supply , fixing, testing and commissioning of G.I. Earth link with not bolt etc complete.	2.00	No			
25	S/F/T/C/ of 6way TPN vertical db with 100 A 4 Pole MCCB and 6 Nos. of 63/32 Amp TP MCB Double door.	1.00	Nos			
			1	Total Rs.		
		G. TOTAL(F	RO & RAH) IN	ICLUDING GST		
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