Tender Schedule for the Electrical Works of Chittinagar Branch					
Sl. No.	Particulars	Quantity	Unit	Rate	Amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface heavy gauge PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
	Group C	93	Nos		
2	Group control Wiring for light point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, with modular plate,suitable GI box and earthing the point with 1.5sq.mm FR PVC insulated copper conductor single core cable etc as required.				
	Group C	33	Nos		
3	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.				
3.1	1 or 2 Module (75mmX75mm)	20	Nos		
3.2	3 Module (100mmX75mm)	10	Nos		
3.3	6 Module (200mmX75mm)	10	Nos		
3.4	8 Module (125mmX125mm)	10	Nos		
4	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
4.1	5/6 amps switch	15	Nos		
4.2	15/16 amp switch	30	Nos		
4.3	3 pin 5/6 amp socket outlet	40	Nos		

4.4	6 pin 6/16 amp socket outlet	20	Nos		
5	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed heavy gauge PVC conduit as required				
5.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	300	mtrs		
5.2	4 X 1.5 sq. mm + 2 X 1.5 sq. mm earth wire	100	mtrs		
5.3	6 X 1.5 sq. mm + 3 X 1.5 sq. mm earth wire	50	mtrs		
5.4	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	400	mtrs		
5.5	4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire	300	mtrs		
5.6	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	250	mtrs		
5.7	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	180	mtrs		
5.8	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	180	mtrs		
5.9	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	120	mtrs		
5.1	4 X 10 sq. mm + 2 X 10 sq. mm earth wire	80	mtrs		
	No of wires in a conduit				
	Size of the Wire in sq.mm	**20**	**25**		
	1.5	6	10		
	2.5	5	10		
	4.0	3	6		
	6.0	2	5		
	10.0		4		

6	Supplying and fixing following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, with provision of 100 amps TPN 35 KA MCCB as incomer, interconnection between incomer MCCB and bus bars (but without MCB's/ MCCB) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
6.1	4 Way TP Double door	1	Nos		
6.2	6 Way TP Double door	1	Nos		
7	Providing and fixing following rating TPN and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
7.1	100 Amp, 36 KA	2	Nos		
8	Supplying and fixing following rating, 415 volts, "C" curve, Three pole miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
8.1	63 Amps	10	Nos		
9	Supplying and fixing following rating, 415 volts, "C" curve, Four pole miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
9.1	63 Amps	2	Nos		
10	Supplying and fixing following rating, 415 volts, "C" curve, Four pole miniature circuit breaker suitable for inductive load of following poles in the suitable size Metal enclosure complete with connections, testing and commissioning etc. as required.				
10.1	63 Amps	7	Nos		

11	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
11.1	4 way (8 + 12), Double door	2	Nos		
11.2	6 way (8 + 18), Double door	2	Nos		
12	Supplying and fixing following rating, 240/415 volts, "C" curve, Single pole miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
12.1	6-32Amps	64	Nos		
13	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
13.1	8 way Double door	3	Nos		
13.2	12 way Double door	3	Nos		
14	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 40 amps 240 volts "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	4	Nos		
15	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	5	Nos		

16	Installation, testing and commissioning of pre-wired 34/36 watts, 2x2 size LED fitting complete with all accessories etc in the false ceiling including supplying and fixing 1 Nos chain arrangement and connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	30	Nos		
17	Installation, testing and commissioning of pre-wired 15 watts, Downlight LED fitting complete with all accessories etc in the false ceiling, connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	22	Nos		
18	Installation, testing and commissioning of pre-wired 15 watts, surface mounted round type LED fitting complete with all accessories etc in the false ceiling, connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	10	Nos		
19	Installation, testing and commissioning of pre-wired 15 watts, bulk head type LED fitting complete with all accessories etc along with suitable size support/bracket with GI pipe and fixing along with all necessary accessories etc as reqd.	8	Nos		
20	Installation, testing and commissioning of pre-wired,18W 4 feet LED fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	15	Nos		
21	Installation, testing and commissioning of 48", 26 watts 5 star ceiling fan, including wiring the down rods of standard length (upto 75 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	26	Nos		
22	Installation, testing and commissioning of 400mm high speed wall mounting fan, including wiring all necessary connections etc. as required.	20	Nos		

23	Installation of 9" exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	5	Nos		
24	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required.	1	Nos		
25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	26	Nos		
26	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	4	sets		
27	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	1	sets		
28	Supplying, Laying and fixing of one number Armoured Aluminium/Copper Cable of 1.1 KV grade of following size on wall surface as required.				
28.1	3.5x75sq.mm	80	mtrs		
28.2	3.5x50sq.mm	60	mtrs		
28.3	4x6.0 sq.mm Copper armoured	85	mtrs		
28.4	4x10.0 sq.mm Copper Armoured	130	mtrs		
29	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE Copper conductor cable of 1.1 KV grade as required.				
29.1	3.5x75sq.mm	2	sets		
29.2	3.5x50sq.mm	2	sets		
29.3	4x6.0sq.mm	2	sets		
29.4	4x10.0sq.mm	2	sets		

30	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	200	mtrs		
31	Supply and fixing telephone points along with cables, boxes, RJ-11 jacks, Front cover plates I/c all necessary accessories etc as reqd.	15	Nos		
32	Supply and fixing Krone box along with all necessary accessories etc as reqd.	1	Nos		
	Supplying of Electrical Fixtures				
33	Supply of 600x600 mm size 36 watts, 5700K ultra modern recess mounting luminaire with high brightness SMD LEDs as light source(Wedge brackets for POP ceiling) etc as reqd.	30	Nos		
34	Supply of 1148x67x73 mm size 36 watts, 5700K aluminium extruded recess light etc as reqd.	8	Nos		
35	Supply of 1040x25x41 mm size 18/20 watts, 5700K LED Batten with polycorbonate housing&integrated electronic driver etc as reqd.	12	Nos		
36	Supply of round type 15 watts, 5700K LED light etc as reqd.	32	Nos		
37	Supply of 600x300x70 mm size 28 watts recess LED flat panel (Wedge brackets for POP ceiling) etc as reqd.	20	Nos		
38	Supply of 1200 mm size, Energy efficient and five star 28watts ceiling fan i/c all necessary accessories etc as reqd.	26	Nos		
39	Supply of 300 mm size heavy duty exhaust fan i/c louvers etc as reqd.	5	Nos		
40	Supply of 400 mm size heavy duty wall mounting fan etc as reqd.	20	Nos		

41	SITC of following rated Indoor operated wall/floor mounted, cubicle type **MV Panel** suitable for operation on 3 phase 4 wire, 50Hz, 415V AC system fabricated in compartmentalized design from CRCA sheet of 2mm thick for frame work and load bearing members, Covers, Doors and gland plates i/c 2 sets of 4 strips Aluminum bus bars of high conductivity suitable for 200 **A** current rating,(One set for Source with standby supply and 1 set for source with out standby supply) DMC/SMC bus bar supports, entire panel shall have a common copper earth bar of size 25 x 5mm at the rear with 2 Nos earth stud, solid earth connections from main bus bars to switch gears(Having metallic body) with required size of copper strips, control wiring with 1.5sq.mm PVC insulated copper conductor FRLS cable, cable alleys, cable gland plates in two halves, etc and with the following items. The panel shall be divided in to two different parts separated by bus bar chambers(one for supply with stand by and one for supply with out standby)				
	Incomer from CT meter				
	160 Amps TPN MCCB 50Ka - 01 No.				
	Phase indicating lamps LED type with fuse control-1 set				
	On, off, trip indication lamps- 1 set				
	0-100 Amps Ammeter with CT's – 1 set				
	0-500 Volts Volt meter – 1 No				
	Incomer from DG set				
	100 Amps TPN MCCB 50Ka - 01 No.				
	Phase indicating lamps LED type with fuse control-1 set				
	On, off, trip indication lamps- 1 set				
	0-160 Amps Ammeter with Amps CT's – 1 set				
	0-500 Volts Volt meter – 1 No				
	Out goings				
	From the source with stand by side				
	63 Amps, FP MCCB, 50Ka – 2 Nos				
	40 Amps, DP MCB – 4 Nos				
	From the source with out stand by				

	100 Amps, FP MCCB, 50Ka – 2 Nos				
	63 Amps, TP MCCB - 1 Nos (CAPACITOR BANK)				
	Bus bar (2 sets)				
	200 Amps Rated Cu Bus bar sets				
	150x100mm enamel Danger board 440V (to set on bus bar cover).1 No.	1	Set		
42	**30KVAR (1 Kvar fixed and remaining in steps) HEAVY DUTY CAPACITOR BANK** WITH AUTOMATIC POWER FACTOR CONTROLLER OF 8 STEP INCLUSIVE OF CONTACTORS, MCBS	1	Set		
43	Supplying and fixing of 200 amps Copper bus bar set along with suitable size enclosure etc as reqd.	1	Nos		
			Total		
			Discount if any		
			Net Total		

APPROVED BRANDS

WIRES/CABLES	POLYCAB/FINOLEX/HAVELLS/RR/KEI
Dbs/MCBs/MCCBs	L&T/INDO ASIAN/LEGRAND/C&S/HPL
COS	L&T/HPL/C&S
PVC PIPES	SUDHAKAR/POLYCAB
SWITCHES/SOCKETS	MK/LEGRAND/HAVELLS/C&S/INDO ASIAN
RJ 11/RJ 45	D LINK/ HAVELLS

SIGNATURE OF THE CONTRACTOR