

<b>DETAIL ESTIMATE FOR ELECTRICAL, DATA VOICE, FIRE SUPPRESSION, CCTV WORKS FOR NEDFI BRANCH OFFICE, CTO- BSNL BUILDING , PANBAZAR, GUWAHATI</b>					
<b>Sl. No.</b>	<b>Description</b>	<b>Qty.</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
<b>A</b>	<b>ELECTRICAL WORK</b>				
1	<b><u>MAIN DISTRIBUTION BOARD</u></b> SITC of main distribution panel with 8 way TPN DB double door. Incomer - 100 Ams TPN MCCB - 01 No. Outgoing - 25A DP MCB - 05 Nos. - 36A TP MCB - 01 No. - 16A to 32A SP MCB - 10 Nos.	1.00	No.		
2	<b><u>MEDIUM VOLTAGE DISTRIBUTION BOARD</u></b> Supply, erection, testing and commissioning of indoor type Metal Clad, Distribution Board made from SWG CRCA sheet steel with powder coated finish, cubical type compartmentalized, front operated, with bottom / top entry, knockouts for conduit entry, dust and vermin proof construction, floor mounted type mounting arrangement, earthing bus and terminals, with all interconnections including cable glands, lugs and end termination complete as required with locking arrangement. Distribution Board.				
(i)	<b><u>LIGHT DB</u></b> 12 way SPN DB double door Incomer - 40 AMS DP MCB - 01 No. Outgoing - 16 to 25 A SP MCB - 10 Nos.	1.00	No.		
(ii)	SITC of 12 way SPN DB for UPS DB following configuration including all incoming and outgoing connections for UPS. 32A DP MCB as incomer - 01 No.	1.00	No.		
(iii)	SITC of 63A F.P MCB in sheet steel enclosure near main meter with necessary earthing and fixing arrangement.	1.00	No.		
(iv)	SITC of 25A C series SP MCB with metal clad socket and plug top for AC in sheet steel 3 X 4 Sqmm. PVC insulated CU FRLS wires in 25mm dia medium duty MS conduit and all other necessary accessories as required to be installed on wall in concealed manner. (For AC Sarter)	4.00	No.		



Sl. No.	Description	Qty.	Unit	Rate	Amount
3	Wiring for multi control light point limiting to 200W with 3 X 1.5 Sqmm. PVC insulated single core unsheathed industrial (Multistrand) cable FR confirming to IS-694 : 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex / RR Kabel or Equivalent make as approved by the Deptt.) in surface / recessed conduit wiring system with 25mm dia 2mm thick / heavy rigid PVC IS: 9537 Part-III conduit (Berlia / AKG / Precision / Presto Plst / Polycab / MW or equivalent make as approved by the Deptt.) including 15/16 AMP flush type switch (Anchor Penta / Gold Medal / Kolor Kany Kom / Havells or equivalent make as approved by the Deptt.) GI / MS switch board (ISI Marked) with phenolic laminated sheet cover, ceiling rose etc. complete.				
(i)	Short Point up to 3.00 meter. Length.	6.00	Each		
(ii)	Medium Point up to 6.00 meter. Length.	34.00	Each		
(iii)	Long Point up to 10.00 meter. Length.	7.00	Each		
4	Wiring to 5 A pin 6 Amps plug point with 1.5 Sqmm. PVC insulated single core unsheathed industrial (Multistrand) cable FR confirming to IS-694 : 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex / RR Kabel or Equivalent make as approved by the Deptt.) in surface / recessed ISI marked PVC conduit pipe (AKG or equivalent make as approved by the Deptt.) wiring system including 5 pin 6 Amps flush type plug socket and 6 Amps flush type switch (Anchor Penta / Gold Medal / Kolor Kany Kom / Havells or equivalent make as approved by the Deptt.) GI / MS switch board (ISI Marked) with phenolic laminated sheet cover earth continuity with 2.5 sqmm. cable to the 3rd pin of the socket as				
(i)	Short Point up to 3.00 meter. Length.	3.00	Each		
(ii)	Medium Point up to 6.00 meter. Length.	23.00	Each		



Sl. No.	Description	Qty.	Unit	Rate	Amount
(iii)	Long Point up to 10.00 meter. Length.	4.00	2052		
5	Wiring to 5/6 A pin 16 Amps plug point with 4.0 Sqmm. PVC insulated single core unsheathed industrial (Multistrand) cable FR confirming to IS-694 : 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex / RR Kabel or Equivalent make as approved by the Deptt.) in surface / recessed ISI marked PVC conduit pipe 25mm dia. (AKG or equivalent make as approved by the Deptt.) wiring system including 5/6 pin 16 Amps flush type plug socket and 16 Amps flush type plug switch (Anchor Penta / Gold Medal / Kolor Kany Kom / Havells or equivalent make as approved by the Deptt.) GI / MS switch board (ISI Marked) with phenolic laminated sheet cover earth continuity with 2.5 sqmm. cable to the 3rd pin of the socket as required complete.				
(i)	Short Point up to 3.00 meter. Length.	3.00	Each		
(ii)	Medium Point up to 6.00 meter. Length.	10.00	Each		
(iii)	Long Point up to 10.00 meter. Length.	4.00	Each		
6	Wiring for drawing sub-main with PVC insulated single core unsheathed industrial (Multistrand) cable FR confirming to IS-694 : 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex / RR Kabel or Equivalent make as approved by the Deptt.) in ISI marked steel conduit pipe including earth continuity in surface / recessed conduit				
(i)	With 2 X 2.5 Sqmm. + earth continuity with 1 X 1.5 Sqmm. Cable in 20mm dia rigid steel conduit.	50.00	Mtr.		
(ii)	With 2 X 4.0 Sqmm. + earth continuity with 1 X 2.5 Sqmm. Cable in 20mm dia rigid steel conduit.	85.00	Mtr.		
(iii)	With 2 X 6.0 Sqmm. + earth continuity with 1 X 4.0 Sqmm. Cable in 25mm dia rigid steel conduit.	42.00	Mtr.		
(iv)	With 2 X 10 Sqmm. + earth continuity with 1 X 6.0 Sqmm. Cable in 25mm dia rigid steel conduit.	9.00	Mtr.		
7	Supplying including fitting and fixing of TV Socket Modular Type including making necessary connection as direction by the department.	1.00	Each		
8	Supplying including fitting and fixing of RJ-11 Telephone Jack Modular Type including making necessary connection as direction by the	5.00	Each		
9	Supplying including fitting and fixing of CAT-6, RJ-45 Computer Jac in one module Modular Type including making necessary connection as direction by the department.	7.00	Each		



Sl. No.	Description	Qty.	Unit	Rate	Amount
10	Supplying including fitting and fixing of Blank Plate single in modular switch system including making necessary connection as direction by the	10.00	Each		
11	Supplying including fitting and fixing of 25A Modular Motor Starter 2M for A.C including making necessary connection as direction by the	4.00	Each		
12	Supplying & laying of 1.1 KV Grade Solid Aluminium Armoured Cable 4C X 25 Sqmm. With G.I Saddle and 2 nos. SWG G.I wire.	28.00	Mtr.		
13	SITC of 4C X 16 Sqmm. Copper Comprehensive type socket & gland.	2.00	No.		
14	<b>UPS INPUT &amp; OUTPUT</b> 32A DP MCB in metal enclosure with connection	2.00	No.		
15	<b>DATA / VOICE CABLING</b> SITC Cat-6 Cable for data & voice in PVC conduit (PVC conduit will be paid seperately)	360.00	Mtr.		
16	<b>PVC Conduit</b> 25mm regid PVC conduit (Berlia / AKG / Precision / Presto Plst / Polycab / MW or equivalent make as approved by the Deptt.) with saddle through consealed on wall and above false	110.00	Mtr.		
17	<b>LIGHT FIXTURE / FAN</b>				
(i)	LED Backlit Panel (600 X 600mm) 36 Watt (3700-6500K) Luminaires.	8.00	No.		
(ii)	LED Panel Light (Round) 12 Watt (3000-6500K)	21.00	No.		
(iii)	LED Spot Light COB 1 X 3 Watt	8.00	No.		
(iv)	LED 6 Watt	4.00	No.		
(v)	Exhaust Fan				
18	SITC of 150mm Sweep PVC Exhaust Fan (Make : Orient / Crompton).	3.00	No.		
19	SITC 63A 4 P Changeover (Make : Havells /	1.00	No.		
20	Earth Stations				
(i)	Installation of Earth Station with 40mm dia and 4.5 meter long G.I Pipe with necessary G.I reducing socket 40mm X 20mm. Size locking arrangement with hinged cover plate, funnel, G.I Nuts, through bolts etc. for putting pipe and re-fitting with necessary enclosure on the top.	1.00	Each		
(ii)	Extra for using salt (5 Kg.) and Charcoal (64 kg. for pipe earth electrode as required)	1.00	Each		



Sl. No.	Description	Qty.	Unit	Rate	Amount
(iii)	Installation of earth station with necessary earth plate including providing all accessories masonry enclosure with cover plate having locking arrangement and 20mm dia G.I Pipe, watering Pipe with funnel, G.I Bolts, nuts, checknuts etc.				
	With 600mm X 600mm X 3mm thick Copper	1.00	Each		
(iv)	Extra for Charcoal and Salt for G.I / Copper Plate Earth Electrode.	1.00	Each		
(v)	"Do" with 6 SWG G.I Earth Wire.	30.00	Mtr.		
	<b>Total for Electrical Work</b>				



Sl. No.	Description	Qty.	Unit	Rate	Amount
<b>B</b>	<b>CCTV Work</b>				
B.1	SITC DVR 4 Chanel 5 Megapixel (Make Hikvision or eqv.)	1.00	No.		
B.2	SITC Hard Disc 4TB (Make Hikvision or Eqv.)	1.00	No.		
B.3	Dome Camera 5 Megapixel (Make Hikvision or eqv.)	1.00	No.		
B.4	Bullet Camera 5 Megapixel (Make Hikvision of eqv.)	2.00	No.		
B.5	SMPS 10AM	1.00	No.		
B.6	SITC RG-6 CCTV Cable	40.00	Mtr.		
B.7	SITC 2C X 1.5 Sqmm. FRLS Cable	90.00	Mtr.		
	<b>Total for CCTV Work</b>				
<b>C</b>	<b>FIRE SUPPRESSION WORKS</b>				
	Fire Extinguisher (Fire Sheld Make)				
C.1	CO2 - 3 Kg.	1.00	No.		
C.2	ABC Type - 6 Kg.	1.00	No.		
	<b>Total for Fire Supression Work</b>				
	<b>GRAND TOTAL</b>				

