

ESTIMATE

**Name of Work: ELECTRICAL INSTALLATION WORK OF AMBER BUILDING OFFICE OF WBMDFC,
SALT LAKE,KOLKATA.**

Sl no	Ref No	Description of items	unit	Qty	Rate	Amount in Rs.
1	PWD elec 2017 E-20, 1 i)	Dist.wiring in 22/0.3(1.5sq.mm) single core stranded "FR"pvc insulated.....mending good damages to original finish.				
		2x22/0.3 (Ph. & N) and 1x22/0.3 as ECC				
a)		Average run 6 mtr	point	26	1009.09	26236.34
2	PWD elec 2017 D-13,20a	Supplying & Fixing 240 V AC/DC superior type Ding-Dong Call Bell (Anchor) on HW board incl. S&F HW board	each	26	195.49	5082.74
3	BOQ.B+G+1,2,3 12(iii)	Main Telephone cabling:				0.00
	i)	Supplying & laying connection of following pair, 0.5sqmm ..				0.00
a)	b)	10pair	mtr	155	79.10	12260.50
	ii)	S/I and testing following pair telephone DB.....				0.00
b)	a)	10 pair	each	40	988.75	39550.00
4	PWD elec 2017 E-19, 22	Supplying & Drawing 2-pair Telephone cables with high density polyethylene insulated solid annealed high conductivity bare copper of dia 0.5mm in prelaid PVC rigid conduit/ in polythene pipe embeded in wall.	RM	150	18.08	2712.00
5	MR	Supplying and fixing of 400mm sweep oscillating type wall bracket fan complete with inbuilt regulator and wire guard protection for coverup the blade complete with all accessories.Make:Havels,Cromton or equivalent.	each	15	3390.00	50850.00
6	E-13/10	Supplying and fixing PVC casing-capping [Precision Make] on wall or ceiling, incl. necy. PVC fittings etc. and mending good damages to building works				0.00
a)		20x10mm Size	RM	300	36.16	10848.00
b)		25x10mm Size	RM	200	39.55	7910.00
7	PWD elec 2017 E-16, 7a	Supplying and fixing PVC Rigid Conduit 'FR' [Precision Make] on wall, ceiling with saddles and other accessories as and mending good damages to building worksrequired				0.00
		25mm size	RM	300	77.97	23391.00
		20mm size	RM	500	57.63	28815.00
8	PWD elec 2017 E-14, 1a(ii),1a(iii)&1a(iv)	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brandapproved by EIC) in 20mm size PVC rigid conduit 'FR'(Precision make) incl. necy. fittings as required				0.00
a)		2x36/0.3(2.5sq.mm)+1x22/0.3(1.5sqmm)ECC	RM	700	134.47	94129.00
b)		2x84/0.3(6sq.mm)+1x56/0.3(4sqmm)ECC	RM	600	218.09	130854.00
c)		2 x 56/0.3 (4 sqmm) + 1 x 36/0.3 (2.5 sqmm) ECC	RM	900	168.37	151533.00
9	PWD elec 2017 E-18, 9b	Supply & Fixing 240 V, 16 A, 3 pin Modular type plug socket (Brand approved by EIC) with 16A Modular type switch, without plug top on 4 Module GI Modular type switch board with top cover plate flushed in wall incl.S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc.	each	135	515.28	69562.80

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10	PWD elec 2017 E-18, 9a	Supply & Fixing 240 V, 6 A, 3 pin Modular type plug socket (Brand approved by EIC) with 6A Modular type switch, without plug top on 4 Module GI Modular type switch board with top cover plate flushed in wall incl.S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc.	each	230	426.01	97982.30
11	Extra Item no-8	Dismantling of Light fitting/Fan/ex fan /switch board/switch &socket. i/c disconnecting live line as reqd	each	200	56.50	11300.00
12	E-9,1	Supplying and Drawing 1.1 KV single core stranded 'FR'PVC insulated & unsheathed single core stranded copper wire (Brand approved by EIC) of the following sizes in the prelaid polythene pipe and by the prelaid GI fish wire and makingnecy. connection as required			0.00	0.00
	b)	3 x 22/0.3 (1.5 sqmm)	RM	400	54.24	21696.00
	s)	2x36/0.3(2.5sq.mm)+1x22/0.3(1.5sqmm)ECC	RM	500	73.45	36725.00
	v)	2x56/0.3 (4 sqmm) + 1x36/0.3 (2.5 sqmm) as ECC	RM	400	107.35	42940.00
	y	2x84/0.3 (6 sqmm) + 1x56/0.3 (4 sqmm) as ECC	RM	200	157.07	31414.00
13	E-18/10	Supply & Fixing 240V, Modular Socket (2 Module) type fan regulator (Step type) (Brand approved by EIC) on existing Modular GI switch board with top cover plate incl. making necy. connections etc.	each	10	437.31	4373.10
14	D 6/7	Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection				0.00
	a)	ABB 6-32 A SP MCB	each	40	193.23	7729.20
	D 5/6	Supplying and fixing 240/415 V MCB Isolator on din rail of existing DBs and necessary connection.				0.00
		ABB 40 A DP Isolator	each	6	355.95	2135.70
		ABB 63 A DP Isolator	each	6	467.82	2806.92
15	D9/13	Supplying and fixing double-door SPN MCB Distribution Board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment.				0.00
		ABB 2+12 way	each	6	1762.80	10576.80
16	D10/14	Supplying and fixing double door Horizontal TPN MCB Distribution board with IP-42/43 protection, concealed in wall after cutting the wall & for earthing attachmentmending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision				0.00
		ABB 4 way	each	6	2589.96	15539.76
17	E-17/4a	Supply & Fixing 240 V, 6A, 5 pin Modular type plug socket (Brand approved by EIC), without switch & plug top, on existing GI Modular type switch board with top cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc.	each	60	135.60	8136.00

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18	E-17/2	Supplying & Fixing GI Modular Switch Board of the following sizes complete with top cover plate flushed in wall for housing the board after cutting the brick wall incl. making earthing attachment, painting and mending good damages to building works				0.00
	a	2 Module	each	30	194.36	5830.80
	b	3/4 Module	each	40	246.34	9853.60
	E-17/1b	6 Module	each	50	375.16	18758.00
	E-17/1c	8 Module	each	50	458.78	22939.00
	E-17/3a	Supply & Fixing 240 V 6 A Modular type switch (Brand approved by EIC) on existing GI Modular type switch board having top cover plate and connections as required making necessary	each	80	92.66	7412.80
19	PWD elec 2017 C-2, 14a	Fixing only single/twin fluorescent light fitting complete with all accessories directly on wall/ceiling by screws etc.	point	120	97.18	11661.60
20	E-14,I-a	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit/casing caping 'FR' incl. necy. fittings as required				
	(i)	2 x 22/0.3 (1.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC	RM	1100	115.26	126786.00
21	E-14,I-b	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 25mm size PVC rigid conduit/casing 'FR' incl. necy. fittings as required				
	a) (v)	4 x 84/0.3 (6 sqmm) + 2 x 56/0.3 (4 sqmm) ECC	RM	90	384.20	34578.00
	b) iii)	4 x 56/0.3 (4 sqmm) + 2 x 36/0.3 (2.5 sqmm) ECC	RM	100	284.76	28476.00
22		Laying on Wall / surface with Saddles / clamps				0.00
	a) F-1/,2-c	Laying of cable from 3/3½ core 35 sqmm to 50 sqmm on wall/surface incl. S & F MS saddles with earthing attachment in 2 x 10 SWG GI (Hot Dip) Wire, making holes etc. as necy., mending good damages and painting	RM	5.00	80.23	401.15
		Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE/PVC armoured cables as below :				0.00
	b) F-4/,7-d	For 3½ core upto 50 sqmm	each	1.00	222.61	222.61
		Finishing cable ends				0.00
		Finishing of the XLPE/PVC insulated armoured cable ends by soldering with cable sockets and insulated tapes etc., including supplying sockets, soldering materials, tapes etc. and making connection to switch, BDB and BBC etc.				0.00
	F-5/,8-b(xvi)	3½ core 50 sqmm cable	set	1.00	236.17	236.17
23		Supplying of following size of 1.1KV Al XLPE/PVC armoured cables as below :Gloster/Crystal/Havells make.				0.00
	MR	3½ core upto 50 sqmm	RM	5.00	331.76	1658.80
24	F -6,I-10(vi)	Straigh through Jointing of cable of different size by compound jointing kit including S&F ferrul, tapes and jointing materials (Brand approved by EIC)				
		3½ / 4 core 50 sqmm cable	set	1	1,672.40	1672.40

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25	D-9,I-11	Supplying and fixing MCB SS enclosure with IP-20/30 protection, powder coated provision for two/four pole MCB, MCB, concealed in wall after cutting the wall & mendingconcealed in wall after cutting the wall & mending MCB, concealed in wall after cutting the wall & mending MCB, concealed in wall after cutting the wall & mending MCB, concealed in wall after cutting the wall & mending good the damages to original finish incl. painting, connection & provision for earthing attachment				
		4 Way	each	6	357.08	2142.48
26	D-6,I-7	Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection				
		Legrand				
		6-32 A, FP	each	6	1351.48	8108.88

