

NAME OF WORK:- Estimate For Repair of Electrical Installation In Zila Parishad Building Distt. Mansa.

Sr.No.	Description of item	Qty	Unit	Rate	Premium %	Final Rate	Amount	Remarks
Electrical Installation								
A	REPLACEMENT OF WIRES, COVER FRAMES, MODULAR SWITCHES, CONCEALED METAL BOXES AND OTHER ACCESSORIES IN THE EXISTING RECESSED CONDUIT PIPE WIRING SYSTEM (WITH MODULAR TYPE ACCESSORIES) Derived from 34.01:							
1	Replacement of PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5sq. mm, 1100volts grade to be laid in existing heavy gauge welded conduit pipe 20 mm/25 mm dia (1.6mm thick) ISI Marked, recessed in wall etc., complete with powder coated/anodized concealed metal boxes (1.6mm thick with Brass lugs) required for suitable number of modules (Modular accessories) for having Stop type electronic fan regulators (two module) 100watts, bell push, 6Amp. 2/3 universal socket (shuttered), 16/20Amp. combined/ universal Socket (shuttered), 6/10Amp. Switches, 16/20Amp. switches with indicator etc. and covered with Frame Plate etc., PVC connector (For Fan Box and Call Bell), PVC Bush, bonding to earth with PVC Insulated copper conductor single core FR cable (ISI marked) 1sq. mm, 1100volts grade (For 6Amp. wall socket & plug control point) and other petty material etc. including the cost of above material, cutting and filling up of chases (with finishing the surface):- (Derived From CSR 34.01)							34.08
i	Wiring fan point (Without fan box)	18	Each	666.00	25%	832.50	14985.00	(I)a
ii	Wiring light point	50	Each	370.00	25%	462.50	23125.00	ii
iii	Wiring call-bell point	3	Each	397.00	25%	496.25	1488.75	iii
iv	Wiring 6Amp. wall socket point	10	Each	369.00	25%	461.25	4612.50	iv
v	Wiring 6Amp. Plug control comprising wall socket point	10	Each	292.00	25%	365.00	3650.00	v
vi	Wiring 16/20Amp. power plug control point	7	Each	438.00	25%	547.50	3832.50	vi
2	RECESSED AIR CONDITIONER SUPPLY TERMINAL POINT (USED FOR HGW, PVC CONDUIT & HDPE PIPE WIRING SYSTEM WITH MODULAR ACCESSORIES): Wiring air conditioner supply terminal point recessed in wall etc., complete with powder coated/anodized concealed metal boxes required for suitable number of modules (Modular accessories) for having 25Amp. combined/ universal Socket (shuttered) and modular motor starter 25Amp. (2Module), covered with Frame Plate and other petty material etc. including the cost of above material, cutting and filling up of chases (with finishing the surface):-							34.01
i	Wiring AC supply terminal point having 1No. 25Amp. universal Socket (shuttered) erected at AC height and 1No. Motor starter 25Amp. erected at switchboard height.	8	Each	654.00	20%	784.80	6278.40	ix
3	RECESSED COMPUTER SUPPLY TERMINAL POINTS (USED FOR HGW, PVC CONDUIT & HDPE PIPE WIRING SYSTEM WITH MODULAR ACCESSORIES): Wiring Computer terminal point having 3 Nos. 6Amp. 2/3 universal socket (shuttered), 1No. 16 Amp. switch with indicator and 1No. blanking plate (Modular accessories).	10	Each	560.00	20%	672.00	6720.00	34.01 x A

4	SUPPLY AND ERECTION OF WIRING ACCESSORIES:								34.15
	Supply and erection of switches, sockets and other accessories (flush piano type/ modular accessories) in the existing bakelite/ modular cover frame including fixing & connections and petty material etc..:-								
i	Modular RJ-45 Modern Jack for Computer (One Module)	10	Each	148.00	15%	170.20	1702.00		xxii
5	Supply and erection of Modular Cover Frame (Complete set) on the existing metal box including fixing and connection of existing switches and sockets and other petty material etc:-								34.15 xxxii
i	Modular Cover Frame 2 Module	10	Each	34.00	40%	47.60	476.00		a
6	Supply and erection of Concealed Metal Boxes of various sizes (1/2M, 3M, 4M, 6M, 8M, 12M, 16/18M) with brass lugs recessed in wall for mounting modular accessories including fixing and other petty material etc., including the cost of cutting and filling up of chases (with finishing the surface):-								34.15 xxxiv
i	Powder Coated Concealed Metal Box with Brass Lugs 2 Module	10	Each	53.00	40%	74.20	742.00		a
7	MINIATURE CIRCUIT BREAKERS:								34.16 A
	Supply and erection of Miniature Circuit Breaker MCB's for circuit protection against overload and short circuit current fault suitable for 240/415 volts 50cycles AC supply with breaking capacity of 10kA, Curve-C and low watt losses as per IS/IEC 60898-1, energy limitation class-3, true contact indication, label holder facility in the existing MCB distribution board as per PWD General Specifications including connections with suitable size of thimbles/lugs:-								
i	MCB Single Pole 6-32amp. (10kA, Curve-C)	16	Each	134.00	35%	180.90	2894.40		ii
ii	MCB Four Pole 50, 63amp. (10kA, CurveC)	1	Each	1231.00	35%	1661.85	1661.85		xvi
8	SHEET METAL DOUBLE DOOR DISTRIBUTION BOARD FOR MCB's/RCBO's/RCCB's:								34.17
	Supply and erection of sheet metal Double Door Distribution Boards IP 43- IK09 metal door (dust protected) as per IS 8623-1&3, IEC 61439-1&3 suitable for flush mounting with fully insulated copper busbars, shrouded neutral bars, earth bars, cement spill protector, color coded interconnecting wire set, cable ties, blanking plates and circuit identifications label and of required no. of ways for mounting miniature circuit breakers/ RCBO's/ RCCB's in the distribution board (For SP&N distribution board with provision DP MCB's/ RCCB's in as incomer and SP MCB's as outgoing and for TP&N horizontal distribution board with provision TPN/ FP MCB's/ RCCB's/ RCBO's as incomer and SP MCB's as outgoing) as per PWD General specifications including connections with suitable size of thimbles and bonding to existing earth etc:-								
i	TP&N Horizontal Double Door Distribution Board 6way each	1	Each	2965.00	15%	3409.75	3409.75		vi

9	PVC, HDPE PIPES & PVC FLEXIBLE PIPES: Supply & erection of PVC Conduit Pipes (ISI marked) as per IS9537:Part-III & HDPE pipes (ISI marked) as per IS:4984:1995 for wiring purposes including bends, junction boxes, Steel hooks, M.S. saddle clamps and other petty materials etc., as per PWD General Specifications:-								34.12
i	Heavy Gauge PVC Conduit Pipe 25mm dia. (Flushed) For power pt., AC, AC Drain, CST, DATA	100	Mtr	48.00	40%	67.20	6720.00	x	
10	PVC INSULATED SINGLE CORE FR COPPER CONDUCTOR CABLE: Supply and erection of PVC insulated FR single core Unsheathed copper conductor cable (ISI marked) suitable upto 1100 volts grade confirm to IS:694/1990 left bare in pipe or casing of suitable size complete in all respect as desired by the Engineer-in-charge:-							34.09	
i	Overall size 1sq mm (Un-sheathed)	250	P mtr	14.00	30%	18.20	4550.00	i	
ii	Overall size 1.5sq.mm (Un-sheathed)	350	P mtr	18.00	30%	23.40	8190.00	ii	
iii	Overall size 2.5 sq.mm (Un-sheathed)	450	P mtr	27.00	30%	35.10	15795.00	iii	
iv	Overall size 4.0sq.mm (Un-sheathed)	600	P mtr	39.00	30%	50.70	30420.00	iv	
v	Overall size 10sq.mm (Un-sheathed)	80	P mtr	88.00	30%	114.40	9152.00	vi	
				G.Total Say Rs			150405.15		
							1.50	Lakh	

V. K. Singh
Sub Divisional Officer
Panchayati Raj,
Mansa

J.E. (Electrical)
Panchayati Raj,
Mansa