

Name of Work

Renovation to E.I. at G-1 Type Block no - 688 & GH-1 Type Block no -703 ,704 , 707 Sector-8 , Gandhinagar.

Fund Head : Civil Deposited.

Sr. No.	Item No.	Particulars.	Qty.	Rate	Amount
1	1	NIL	---	---	---

Signature of Contractor

Deputy.Executive.Engineer
C.P.Electrical. R & B Sub Dn 23
Gandhinagar

Executive Engineer
C.P Electrical R & B Division
Gandhinagar.

SCHEDULE - B							
Name of Work		Renovation to E.I. at G-1 Type Block no - 688 & GH-1 Type Block no -703 ,704 , 707 Sector-8 , Gandhinagar.					
Item No.	Estimated Quantity		Item Description	Rate in Rs.		Unit	Amount in Rs.
				in Figure	In Word		
1	328	Pt	Replacing old by providing new Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed.(e) in existing pipe erected flushed on wall/ceiling completeCat. III	375.72	Rupees Three hundred Seventy Five Paise Seventy Two Only	Pt	123,236.16
2	88	Pt	Replacing old by providing new Half Point wiring for Light with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed.(e) in existing pipe erected flushed on wall/ceiling completeCat. III	187.86	Rupees One hundred Eighty Seven Paise Eighty Six Only	Pt	16,531.68

3	136	Pt	Replacing old by providing Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME step type electronic fan regulator mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed.(e) in existing pipe erected flushed on wall/ceiling completeCat. III	522.17	Rupees Five hundred Twenty Two Paise Seventeen Only	Pt	71,015.12
4	118	Pt	Replacing old by providing Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[I] For 6A Plug and 6 a switch with 2-1.5 sq.mm Cu. Wire from nearby switchboard/mcb db board(e) in existing pipe erected flushed on wall/ceiling completeCat. III.	388.85	Rupees Three hundred Eighty Eight Paise Eighty Five Only	Pt	45,884.30
5			Replacing old separate point 16 Amp by Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.				
A	114	Ea.	(9) 16 Amp. SP one way switch Cat.III .	180.79	Rupees One hundred Eighty Paise Seventy Nine Only	Ea.	20,610.06

B	114	Ea.	(10) 6/16Amp. Universal socket Cat.III.	199.98	Rupees One hundred Ninety Nine Paise Ninety Eight Only	Ea.	22,797.72
6	200	Pt	Replacing old by providing Point wiring for on board Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling with following type accessoriesCat. III.	257.55	Rupees Two hundred Fifty Seven Paise Fifty Five Only	Pt	51,510.00
7			Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (E) in existing pipe.				
A	1764	Mtr	(a) 2 wire 1.5 sq. mm	46.46	Rupees Forty Six Paise Forty Six Only	Mtr	81,955.44
B	648	Mtr	(b) 2 wire 2.5 sq. mm .	62.62	Rupees Sixty Two Paise Sixty Two Only	Mtr	40,577.76
8			Replacing old by providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size.(E) in existing pipe				
a	360	Mtr	(b) 2 wire 6 sq. mm	121.20	Rupees One hundred Twenty One Paise Twenty Only	Mtr	43,632.00

b	630	Mtr	(a) 2 wire 4 sq. mm .	86.86	Rupees Eighty Six Paise Eighty Six Only	Mtr	54,721.80
9			Replacing old tubefitting by Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15%, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)(A) Tube Light with integral driver.				
a	48	Ea.	(iv) 22-24 Watts, Surge - 2KV,IP-20, conventional 4 feet Cat-III.	373.70	Rupees Three hundred Seventy Three Paise Seventy Only	Ea.	17,937.60
b	66	Ea.	(v) 36-40 Watts, Surge-2 KV, IP-20, conventional 4 feet Cat-III.Old -162.	535.30	Rupees Five hundred Thirty Five Paise Thirty Only	Ea.	35,329.80
10	148	Ea.	Supplying and erecting led lamps with following wattage capacity of 220 to 240 voltage, minimum 15000 burning hours life, 500 V in built-surge protection,Polycarbonate diffuser, mounting suitable for E14 / E27 / B22 lamp holders, pf >= 0.5(A) LED Lamps integral type, with PC diffuser suitable LAMP holder (ii) 5 to 8 watts Cat-III	112.11	Rupees One hundred Twelve Paise Eleven Only	Ea.	16,592.28

11	114	Ea.	Replacing old by Providing & erecting Approved make Power Saving 50 Watt Ceiling Fan with double ball bearing ISI mark with Condenser 230 volt A.C. 50 Hz 1200 mm sweep complete having 3 blades with aluminium blades with , canopy & 30 cm. down rod erected with earthing.(Make shall be approved by Engineer in charge))	1948.29	Rupees One Thousand Nine hundred Forty Eight Paise Twenty Nine Only	Ea.	222,105.06
12	22	Ea.	Replacing old by providing Decorative call bell Ting-tong box type 250 volts complete erected	71.71	Rupees Seventy One Paise Seventy One Only	Ea.	1,577.62
13	22	Ea.	Replacing old by Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for(A) single phase incoming and horizontal single phase outgoing(b) sheet steel double door (IP-43). (v) 16 way	1680.64	Rupees One Thousand Six hundred Eighty Paise Sixty Four Only	Ea.	36,974.08
14	264	Ea.	Replacing old by providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	112.11	Rupees One hundred Twelve Paise Eleven Only	Ea.	29,597.04

15	48	Ea.	Replacing old by Providing & erecting 240 V MCB double pole switch for lighting Load (B Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity (A) 6 to 32 Amp. Cat.III	278.76	Rupees Two hundred Seventy Eight Paise Seventy Six Only	Ea.	13,380.48
16			Replacing old by providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed.				
a	22	Ea.	(ii) 40Amps. DP Cat. III.	2235.13	Rupees Two Thousand Two hundred Thirty Five Paise Thirteen Only	Ea.	49,172.86
b	22	Ea.	(ii) 25Amps. DP Cat. III.	1969.50	Rupees One Thousand Nine hundred Sixty Nine Paise Fifty Only	Ea.	43,329.00
17	48	Ea.	Replacing old by providing Sheets steel powder coated enclosure suitable for incorporating One/Two nos. MCB.	176.75	Rupees One hundred Seventy Six Paise Seventy Five Only	Ea.	8,484.00
18			Replacing old by Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed				

a	3470	Mtr	(a)20 mm	24.24	Rupees Twenty Four Paise Twenty Four Only	Mtr	84,112.80
b	1962	Mtr	(b) 25 mm.	33.33	Rupees Thirty Three Paise Thirty Three Only	Mtr	65,393.46
19	7	Ea.	<p>Supplying & erecting in earthpit of minimum bore dia. 225mm size approved make Safe Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 80 mm having 80-200 Micron galvanising, Inner pipe dia of 40 mm having 200-250 Micron galvanising, connection terminal dia of 14 mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover (A)(approved make OEM has to submit test certificate including value of earth resistance of installation duly stamped and signed by agency and officer Incharge has to ensure the value of earthing resistance mentioned in test Certificate) & having back filling compound of (B) Inner chemical (CCM Compound)- Resistivity:- 0.2 ohm / meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphur content:- <2%(C) Back fill Compound :- Earthing compound should be capable to retain moisture for long time Necessary test report must be submitted by Agency.[A] For electrical installation up to 440 V Length of Pipe - 1 Mtr Back filling compound - 1 Nos. of Bag of 15 Kgs. new</p>	5842.85	Rupees Five Thousand Eight hundred Forty Two Paise Eighty Five Only	Ea.	40,899.95

20	11	Sq.Mtr	Replacing old by Providing and erecting Steel cover as per drawing using 16 SWG M.S.sheet of following depth, to house the switch gear etc. complete with locking arrangement and lock with duplicate keys per cupboard and door handles erected with necessary support and painting. [One coat red oxide and two coat enamel paint] (A) with angle iron frame (i) For 25 cms. Depth	3561.26	Rupees Three Thousand Five hundred Sixty One Paise Twenty Six Only	Sq.Mtr	39,173.86
21	8	kg	Providing and erecting HOT deep Galvanised iron strip wire 8 to 16 SWG.	77.77	Rupees Seventy Seven Paise Seventy Seven Only	kg	622.16
22	25	Sq.Mtr	Supplying and erecting HYLAM sheet on existing angle iron frame.for following thickness(C) 6mm	1156.45	Rupees One Thousand One hundred Fifty Six Paise Forty Five Only	Sq.Mtr	28,911.25
23	14	Job	carry out RCC Core cutting- up to 100 mm dia./200mm thick Wall/beam/slab with providing PVC pipe of 3 mm thick inside and necessary finishing on both ends of wall .	1199.88	Rupees One Thousand One hundred Ninety Nine Paise Eighty Eight Only	Job	16,798.32
	Total Rs.						1,322,863.66
RUPEES IN WORDS :		Rupees Thirteen Lacs Twenty Two Thousand Eight Hundred Sixty Three Paise Sixty Six Only.					

I/We am/are willing to carry out the work at(No above rates allowed) _____% below _____

_____percent (Should be written in figures and words) below the tendered rates mentioned above.

Amount of my/our tender works out as under :

Put to Tender Rs. 1,322,863.66

Deduct _____ % below Rs. _____

Net Rs. _____

In word Rs. _____

Put to Tender Rs. 1322863.66

ADD _____ % ABOVE Rs. _____

Net Rs. _____

In word Rs. _____

(Please strike out whichever is not applicable)

- 1 I/We hereby declare that I/We have visited the site, fully exquisite myself/ourselves with the local situation regarding materials and other factors pertaining to the work before submitting this tender.
- 2 I/we hereby declare that I/We carefully studied the conditions of specifications and other tender documents of this work and agree to execute the same accordingly.
- 3 A tender with any overwriting in percentage (should both in word and figures) rejected out right.
- 4 Insertions and/or corrections in the percentage quoted (both in word and figures) resulting into increase in the value of the work shall be rejected outright unless it is authenticated by the office opening the tender at the time of opening of tender.
- 5 Dismantling the existing material taken by contractor as mention rates.

Signature of Contractor

**Deputy.Executive.Engineer
C.P.Electrical R & B Sub Dn 23
Gandhinagar**

**Executive Engineer
C.P Electrical R & B Division
Gandhinagar.**

LIST OF DISMENTAL MATERIALS						
Name of Work :-			Renovation to E.I. at G-1 Type Block no - 688 & GH-1 Type Block no -703 ,704 , 707 Sector-8 , Gandhinagar.			
Sr.No.	Quantity		Description Of Item	DM Amount of Item	Per	Amount Rs.
1	464	Pt	Cost of Old & U/S Modular Light / Fan Point/Bell Point tissino cu wiring.	8.80	Pt	4083.20
2	88	Pt	Cost of Old & U/S Modular Light Point tissino cu wiring for Toilet /Bathroom / washbasin. (Half Point).	4.40	Pt	387.20
3	110	Pt	Cost of Old & U/S Modular tissino Individual point 5A.	11.60	Pt	1276.00
4	200	Pt	Cost of Old & U/S Modular tissino looped plug point 5 Amp	6.40	Pt	1280.00
5	114	Pt	Cost of Old & U/S Modular tissino Individual 16A Point , 2.5sq mm Mains Cu wire	15.80	Pt	1801.20
6	1764	Mtr	Cost of Old & U/S 1.5 Sqmm Mains	3.78	Mtr	6667.92
7	360	Mtr	Cost of Old & U/S 6 Sqmm Mains	10.35	Mtr	3726.00
8	136	Ea.	Cost of Old & U/S Fan Regulator	8.28	Ea.	1126.08
9	114	Ea.	Cost of Old & U/S Fan	147.60	Ea.	16826.40
10	114	Ea.	Cost of Old & U/S Tubelight	14.00	Ea.	1596.00
11	176	Ea.	Cost of old & u/s S.P. MCB	3.00	Ea.	528.00
12	48	Ea.	Cost of old & u/s D.P. MCB 32 Amp	10.50	Ea.	504.00
13	22	Ea.	Cost of old & u/s MCB D.B. 12 Way	60.50	Ea.	1331.00
14	3470	Mtr	Cost of old & u/s PVC Pipe 20 mm	0.72	Mtr	2498.40
15	22	Ea.	Cost of call bell / Buzzer	1.00	Ea.	22.00
16	11	Sq.mtr	Cost of old & u/s Cup board	150.80	Sq.mtr	1658.80
17	22	Ea.	Cost of old & u/s DP Enclousure	7.50	Ea.	165.00
Total Cost of Dismantal Materials Rs.						45477.20
Say Round total Dismantal Materials Rs.						45478.00

Signature of Contractor

Deputy Executive Engineer
C.P Electrical R & B Sub Dn 23
Gandhinagar.

Executive.Engineer.
C.P.Electrical R & B Division
Gandhinagar

Make List

Renovation to E.I. at G-1 Type Block no - 688 & GH-1 Type Block no -703 ,704 , 707 Sector-8 , Gandhinagar.		
SR.NO.	ITEM	MAKE LIST
1	Wiring Accessories	Greatwhite , LK (L&T) , Indoasian
2	Wires & Cable	Finolex , RR Kabal ,KEI
3	LED light Fittings,	Jaquar,Wipro, LT , Philips.
4	Switchgear	Legrand,Indoasian , Schneider, LT
5	Fan	Orient,Bajaj, Usha.
6	Pipes	Astarl , BLP , Precision

Dy.Ex.Engg
C.P.Elect sub Div.23
Gandhinagar

Executive Engineer
C.P.Elect.Division
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