

## **SCHEDULE-A**

<b>Name of Work:</b>	<b>Providing EI at Taluka Panchayat Office at Detroj, Ta. Detroj Dist. Ahmedabad (Detroj Section) [2nd attempt]</b>
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**Schedule showing (approximately) the materials to be supplied from the Public Works Store for work Contracted to be executed and the rates at which they are to be charged for**

<b>Particulars</b>	<b>Approximate quantity</b>	<b>Rate at which the materials will be charged the contractor</b>		<b>Place of Delivery</b>
NIL	NIL	NIL	NIL	NIL

**Sign of Contractor**

**Executive Engineer  
Ahmedabad Electrical Division no.2  
R & B Deptt. Ahmedabad**

### **SCHEDULE-B**

Name of Work:			Providing EI at Taluka Panchayat Office at Detroj, Ta. Detroj Dist. Ahmedabad (DetrojSection) (2nd Attempt)				
Item No	Qty		Item	Rate in Figure & Word		Unit	Amount
1	181	Pts	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 as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat-III	485.81	Rupees Four Hundred Eighty Five And Paise Eighty One Only	Pt	87931.61
2	72	Pts	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 as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat-III	674.68	Rupees Six Hundred Seventy Four And Paise Sixty Eight Only	Pt	48576.96
3	7	Pts	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 (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat-III	510.05	Rupees Five Hundred Ten And Paise Five Only	Pt	3570.35
4	7	Pts	[II] For 16A Plug and 16 amp switch with 2-2.5 sq.mm Cu. Wire from mcb db board. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat-III	745.38	Rupees Seven Hundred Forty Five And Paise Thirty Eight Only	Pt	5217.66
5	37	Pts	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 accessories Cat-III	257.55	Rupees Two Hundred Fifty Seven And Paise Fifty Five Only	Pt	9529.35

Item No	Qty		Item	Rate in Figure & Word		Unit	Amount
6	39	Nos	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. (7) Blank Plate Single Cat-III	25.25	Rupees Twenty Five And Paise Twenty Five Only	Ea	984.75
7	26	Nos	..do..(9) 16 Amp. SP one way switch Cat-III	180.79	Rupees One Hundred Eighty And Paise Seventy Nine Only	Ea	4700.54
8	26	Nos	..do..(10) 6/16Amp. Universal socket	199.98	Rupees One Hundred Ninety Nine And Paise Ninety Eight Only	Ea	5199.48
9	62	Nos	..do..(8) Computer RJ-45 socket	160.59	Rupees One Hundred Sixty And Paise Fifty Nine Only	Ea	9956.58
10	1488	Mtrs	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 (b) 25 mm	33.33	Rupees Thirty Three And Paise Thirty Three Only	Mtr.	49595.04
11	48	Mtrs	Supplying and laying UPVC cable trunking system comprising unplasticised polyvinyl, chloride rigid material with ignition free and flame proof confirming BS with necessary end caps Internal and external bend, flat bends, coupler, tee etc..All necessary accessories and measuring of following sizes (2) 100 mm x 50 mm trunking	428.24	Rupees Four Hundred Twenty Eight And Paise Twenty Four Only	Mtr.	20555.52
12	1500	Mtrs	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 (A) With medium class Rigid PVC pipe and accessories (b) 2 wire 2.5 sq. mm	82.82	Rupees Eighty Two And Paise Eighty Two Only	Mtr.	124230.00
13	1070	Mtrs	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 (A) with medium class Rigid PVC pipe and accessories (a) 2 wire 4 sq. mm	112.11	Rupees One Hundred Twelve And Paise Eleven Only	Mtr.	119957.70
14	245	Mtrs	..do..(i) 4 wire 10 sq. mm (use earth wire of 4 sq.mm )	425.21	Rupees Four Hundred Twenty Five And Paise Twenty One Only	Mtr.	104176.45
15	70	Mtrs	providing and erecting Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. (f) One wire 10.00 sq. mm	91.91	Rupees Ninety One And Paise Ninety One Only	Mtr.	6433.70

Item No	Qty		Item	Rate in Figure & Word		Unit	Amount
16	70	Mtrs	(g) One wire 16.00 sq. mm	142.41	Rupees One Hundred Forty Two And Paise Forty One Only	Mtr.	9968.70
17	25	Mtrs	..do..(h) One wire 25.00 sq. mm	236.34	Rupees Two Hundred Thirty Six And Paise Thirty Four Only	Mtr.	5908.50
18	194	Mtrs	Supplying and erecting Flexible PVC insulated multi strand multi core 1.1 kv grade ISI marked copper wires of following size to be erected as directed. (e) 1.50 Sq.mm 3 core round PVC sheathed	46.46	Rupees Forty Six And Paise Forty Six Only	Mtr.	9013.24
19	1860	Mtrs	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction [D] CAT - 6 e	76.76	Rupees Seventy Six And Paise Seventy Six Only	Mtr.	142773.60
20	62	Nos	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate,modules erected with necessary connections as directed 1 no. 6A/16A universal plug-switch combined. 3 nos. 6A Switch 3 nos. 6A 5 pin Plug For Modular Type Accessories Cat-III	1133.22	Rupees One Thousand One Hundred Thirty Three And Paise Twenty Two Only	Ea	70259.64
21	30	Nos	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 (iv) 22-24 Watts, Surge - 2KV,IP-20, conventional 4 feet Cat-III	373.70	Rupees Three Hundred Seventy Three And Paise Seventy Only	Ea	11211.00
22	19	Nos	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 (iii) 10 to 15 watts	188.87	Rupees One Hundred Eighty Eight And Paise Eighty Seven Only	Ea	3588.53

Item No	Qty		Item	Rate in Figure & Word		Unit	Amount
23	101	Nos	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 pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body 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 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) Square/ Circular shaped Surface/Recessed Mount Downlight with provision for spring loaded mounting clips complete. IP20 (iv) 22-24 watts, Surge-2 KV Cat-III	758.51	Rupees Seven Hundred Fifty Eight And Paise Fifty One Only	Ea	76609.51
24	12	Nos	(B) LED Panel Light with provision for Plane front frame with translucent cover fixed to housing complete. IP20 (vi) 36 watts, 24" x 24", Surge- 2KV Cat-III	1794.77	Rupees One Thousand Seven Hundred Ninety Four And Paise Seventy Seven Only	Ea	21537.24
25	12	Nos	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 3 Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses, with toughened glass with company mark/name engraved or embossed 160 to 270 V, Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K, Uniformity ratio > 0.45, Luminaire efficacy > 100 lumens/watt. LED driver efficiency > 85 %.( fittings 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) Street Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection. (ii) above 48 to 60 Watts Cat-III	4997.48	Rupees Four Thousand Nine Hundred Ninety Seven And Paise Forty Eight Only	Ea	59969.76
26	12	Nos	(B) Flood Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection. (iv) above 90 to 120 watts Cat-III	7266.95	Rupees Seven Thousand Two Hundred Sixty Six And Paise Ninety Five Only	Ea	87203.40
27	1	Nos	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having Normal current rating 200A. with variable Thermal & magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing ICS=100% of ICU only Cat III	16221.61	Rupees Sixteen Thousand Two Hundred Twenty One And Paise Sixty One Only	Ea	16221.61

Item No	Qty		Item	Rate in Figure & Word		Unit	Amount
28	2	Nos	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having normal current rating 125A. with Fixed thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	8055.76	Rupees Eight Thousand Fifty Five And Paise Seventy Six Only	Ea	16111.52
29	3	Nos	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 25 KA. at 415 V, having normal current rating up to 25 A to 100A. with Fixed thermal & magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	6173.12	Rupees Six Thousand One Hundred Seventy Three And Paise Twelve Only	Ea	18519.36
30	1	Nos	..do. With Enclosure	6790.43	Rupees Six Thousand Seven Hundred Ninety And Paise Forty Three Only	Ea	6790.43
31	1	Nos	Providing Approved make Triple Pole Metal Clad Switch Fuse Unit 415/500 V. with HRC fuse of suitable load and neutral link confirming to IS (a)200 A Cat-III	8012.33	Rupees Eight Thousand Twelve And Paise Thirty Three Only	Ea	8012.33
32	1	Nos	Providing and erecting Approved make Earth fault Relay suitable to mount with inter connection suitable to following size of moulded case circuit breaker having CT ratio & MCCB rating as following along with shunt trip 220V AC. with all internal connections & complete erected in existing M.S.housing.. (2) 125 A -200 A , CT Ratio 1/200	4983.34	Rupees Four Thousand Nine Hundred Eighty Three And Paise Thirty Four Only	Ea	4983.34
33	1	Nos	Supplying & erecting approved make Four Pole 415V change over switch interior for panel mounting with operating mechanism A.C.23 duty confirming to IS for (D)200A Cat-III	12241.20	Rupees Twelve Thousand Two Hundred Forty One And Paise Twenty Only	Ea	12241.20
34	0.8	Rmtrs	Supplying and erecting triple pole & neutral 440V / 500V panel mounting Copper Busbars with four equal Nos. of electrolyte bus having current density not more than 1.6 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports /insulators, main cable socket to each bar, erected in existing cubical panel with necessary connections. (B) Suitable for 200 Amp. capacity	3202.71	Rupees Three Thousand Two Hundred Two And Paise Seventy One Only	Rmtr.	2562.17
35	1	Rmtrs	(C) Suitable for 300 Amp. capacity	4909.61	Rupees Four Thousand Nine Hundred Nine And Paise Sixty One Only	Rmtr.	4909.61
36	24	Nos	providing and erecting Miniature circuit breaker single pole 0.5A to 2A system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat-III	270.68	Rupees Two Hundred Seventy And Paise Sixty Eight Only	Ea	6496.32
37	144	Nos	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 And Paise Eleven Only	Ea	16143.84

Item No	Qty		Item	Rate in Figure & Word		Unit	Amount
38	1	Nos	Providing & erecting 240 V MCB double pole switch for motor & inductive load (C Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity (B) 40 Amp. Cat-III	330.27	Rupees Three Hundred Thirty And Paise Twenty Seven Only	Ea	330.27
39	2	Nos	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity (b)40 Amp. Cat-III	668.62	Rupees Six Hundred Sixty Eight And Paise Sixty Two Only	Ea	1337.24
40	18	Nos	..do..(c)63 Amp. Cat-III	737.30	Rupees Seven Hundred Thirty Seven And Paise Thirty Only	Ea	13271.40
41	8	Nos	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 (B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI) (b) sheet steel double door(iii)8 way	3412.79	Rupees Three Thousand Four Hundred Twelve And Paise Seventy Nine Only	Ea	27302.32
42	1	Nos	(A) single phase incoming and horizontal single phase outgoing (b) sheet steel double door (IP-43)(i)4 way	629.23	Rupees Six Hundred Twenty Nine And Paise Twenty Three Only	Ea	629.23
43	25	Nos	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 (ii) 40Amps. DP Cat-III	2235.13	Rupees Two Thousand Two Hundred Thirty Five And Paise Thirteen Only	Ea	55878.25
44	12	Kgs	Providing and erecting HOT deep Galvanised iron strip wire 8 to 16 SWG.	77.77	Rupees Seventy Seven And Paise Seventy Seven Only	Kg	933.24
45	12	Nos	Providing and erecting Pipe type earthing having 150 cms.long and 2.5 cms. dia. galvanised iron pipe with coupling and buch buried in specially prepared earth pit complete with necessary 8 SWG earth wire.	368.65	Rupees Three Hundred Sixty Eight And Paise Sixty Five Only	Ea	4423.80
46	12	Nos	For using salt and charcoal / coke as required for pipe type earthing.	171.70	Rupees One Hundred Seventy One And Paise Seventy Only	Ea	2060.40

Item No	Qty		Item	Rate in Figure & Word		Unit	Amount
47	8	Nos	<p>Supplying &amp; erecting earth pit of minimum bore dia.150mm size approved make 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 50mm having 80-200 Micron galvanising, Inner pipe dia of 25 mm having 200-250 Micron galvanising, connection terminal dia of 12mm 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.</p> <p>(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) &amp; having back filling compound of (B) Inner chemical (CCM Compound)- Resistivity:- 0.2 ohm / meter testing as per IEC 62561-2017, Voltage drop:- &lt; 1 volt at no load &amp; dry form, Sulphur content:- &lt;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 440V in normal soil</p> <p>Length of pipe - 1 Mtr</p> <p>Back filling compound - 1 Nos Bag of 15 Kg.</p>	4591.46	Rupees Four Thousand Five Hundred Ninety One And Paise Forty Six Only	Ea	36731.68
48	2.4	Sq mtr	<p>Providing &amp; erecting weather proof, dust &amp; vermin proof, floor mounted front operated indoor type cubical panel board necessary IP-42 and above protection as per approval from engineer incharge made from 14 SWG thick CRC M.S. sheet for outer body &amp; doors, 16 SWG thick CRC M.S.sheet for internal partitions with necessary accessories , supporting angles/ flats channel including cutting, bending, drilling, welding, riveting with internal partitions &amp; cable alley as per requirements &amp; instruction of engineer-in-charge with erection of supplied switch gears, BUSBARS, suitable size of inter connecting PVC copper wire / copper-aluminium strips, rubber grommets, rib, bakelite control fuses/MCB for measuring instruments, earth bus &amp; earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket,heavy duty end terminal connection,danger notice board,necessary ventilation,earthing strip complete. The Panel shall be painted with epoxy powder coating. (The rates excludes the cost of switchgears, bus bars, inter connecting mains &amp; Copper Aluminium strips, meters, Fuses etc. The dimension shall be measured excluding base beams) The panel shall be supplied with following approved manufacturers with following size. (B) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory (i) with 350 mm depth</p>	14902.55	Rupees Fourteen Thousand Nine Hundred Two And Paise Fifty Five Only	Mtr.	35766.12



Item No	Qty		Item	Rate in Figure & Word		Unit	Amount
49	22	Mtrs	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (D) 3 1/2 core 70 Sq. mm ( 35 Sq. mm 1/2 core)	378.75	Rupees Three Hundred Seventy Eight And Paise Seventy Five Only	Mtr.	8332.50
50	102	Mtrs	(E) 3 1/2 core 95 Sq. mm ( 50 Sq. mm 1/2 core)	490.86	Rupees Four Hundred Ninety And Paise Eighty Six Only	Mtr.	50067.72
51	560	Mtrs	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand / Solid Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (C) 4 core 10 Sq. mm	140.39	Rupees One Hundred Forty And Paise Thirty Nine Only	Mtr.	78618.40
52	210	Mtrs	Making trench in soft soil of suitable width of 90 cm deep for laying cable or locating the fault all over the run and back filling the same and making the surface as normal ground.	55.55	Rupees Fifty Five And Paise Fifty Five Only	Mtr.	11665.50
53	110	Mtrs	Making trench in Hard Murrum / Tar Road of suitable width of 90 cm or required depth for laying any size of cable or locating the fault all over the run and back filling the same and making the surface as normal ground.	74.74	Rupees Seventy Four And Paise Seventy Four Only	Mtr.	8221.40
54	90	Mtrs	Providing & laying approved make ISI marked HDPE 6Kg / cm2 (Class-3) as per IS:4984:1995 PE-80 to be erected at road crossing on or floor as directed for laying of cable. The pipes as following size of dia & weight per 6 mtr. (C) 63 mm inner Dia.	249.47	Rupees Two Hundred Forty Nine And Paise Forty Seven Only	Mtr.	22452.30
55	400	Mtrs	(A) 40 mm inner Dia.	108.07	Rupees One Hundred Eight And Paise Seven Only	Mtr.	43228.00
56	48	Nos	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (B) 2 to 4 core 6 Sq. mm	38.38	Rupees Thirty Eight And Paise Thirty Eight Only	Ea	1842.24
57	2	Nos	Providing and, fixing heavy duty flange type brass double compression type cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (C) 3 & 1/2 core 70 Sq. mm	103.02	Rupees One Hundred Three And Paise Two Only	Ea	206.04
58	4	Nos	(D) 3 & 1/2 core 95 Sq. mm	131.30	Rupees One Hundred Thirty One And Paise Thirty Only	Ea	525.20
59		Nos	Solder less crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner.				
60	6	Nos	..do..(D) 35/50 Sq.mm.	20.20	Rupees Twenty And Paise Twenty Only	Ea	121.20

Item No	Qty		Item	Rate in Figure & Word		Unit	Amount
61	6	Nos	(E) 70 Sq.mm.	25.25	Rupees Twenty Five And Paise Twenty Five Only	Ea	151.50
62	12	Nos	(F) 95 Sq.mm.	40.40	Rupees Forty And Paise Forty Only	Ea	484.80
63	192	Nos	..do..(B) 10 Sq.mm	13.13	Rupees Thirteen And Paise Thirteen Only	Ea	2520.96
64	72	Nos	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 And Paise Twenty Nine Only	Ea	140276.88
65	72	Mtrs	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with proper insulation without leakage and earthing.	108.07	Rupees One Hundred Eight And Paise Seven Only	Mtr.	7781.04
66	72	Nos	Supplying & erecting fan hook box of 10 mm M.S. round bar bounded to the RCC bars up to 50mm length each side and pierced through a 16 Gauge M.S. box / Heavy Duty PVC box complete erected concealed in Ceiling with necessary finishing.	108.07	Rupees One Hundred Eight And Paise Seven Only	Ea	7781.04
67	72	Nos	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	18.18	Rupees Eighteen And Paise Eighteen Only	Ea	1308.96
68	19	Nos	Supplying & erecting approved make low noise decorative exhaust fan having square frame ABS body with inbuilt lowers & square frame. 200mm with 1350RPM Cat.II	1703.87	Rupees One Thousand Seven Hundred Three And Paise Eighty Seven Only	Ea	32373.53
69	12	Nos	Supplying and erecting approved make Octagonal pole made from HR sheet steel. The pole should be made as per IS. and shall be coated with hot dip galvanizing as per IS 2629/2633/4759, suitable suspend local wind speed with integral Junction box consist of terminal plate of min 6mm Hylam sheet, standard profile 35mmX7.5mm Din-Rail for MCB Mounting, stud type terminal and arrangement for cable termination to be erected With Suitable foundation (Included) as per details given by manufacturer considering site requirement. (D) 6 Mtr. Long 70 mm Top X 135 mm bottom dia, 3 mm thickness with 200mmX200mmX12mm base plate, 4-M20 Bolts and 600mm long with necessary G.I. J Bolts .Approx Pole weight 59 kg	8192.11	Rupees Eight Thousand One Hundred Ninety Two And Paise Eleven Only	Ea	98305.32

Item No	Qty		Item	Rate in Figure & Word		Unit	Amount
70	12	Nos	Providing and erecting street light pole bracket comprising main B Class <b>GI pipe</b> of 4.2 cm/require outside dia. complete with suitable B Class G.I sleeve tubing of approx. 45cms.length and suitable for 76.5 mm / 80mm. / require size pole top having sufficient fasteners for fixing the brackets and having spread of 1 mtr. length with suitable rise as per site condition & suitable welded stiffener reducer and nipple with check nut complete painted with one coat of Red oxide / PU base primer and two coats of Aluminium / PU paint. paint with following nos of arms. [A] Single Arm bracket 1 Mtr	614.08	Rupees Six Hundred Fourteen And Paise Eight Only	Ea	7368.96
71	12	Nos	Supplying & erecting approved make SMC press moulded composite FRP. loop-in, loop-out approx. 2mm thick box complete with Bakelite connector strip 5way(3P+N+E),DIN rail for mounting mob & hinged doors as per requirement having locking arrangements with mounting clamp with nuts, bolts & washers suitable for erection on pole with cable clamps& earth bolt of following size of box. (B) 250mm x 200mm x 100mm [deep]	515.10	Rupees Five Hundred Fifteen And Paise Ten Only	Ea	6181.20
72	2	Nos	Supplying & erecting approved make time switch with single pole air break contacts suitable for 230 V.15/16A.complete with self starting motor driven clock 'ON' & 'OFF' automatic arrangement at any predetermined time during each 24 hours,With nickel cadmium rechargeable battery backup erected as directed.	2354.31	Rupees Two Thousand Three Hundred Fifty Four And Paise Thirty One Only	Ea	4708.62
73	2	Nos	Supplying & erecting power contactor ,AC3 duty for time switch complete erected as per direction Cat III (D) 4 pole 440V 40 Amp.	2782.55	Rupees Two Thousand Seven Hundred Eighty Two And Paise Fifty Five Only	Ea	5565.10
74	2	Nos	Providing & erecting water cooler having storage capacity 150 Ltr. & cooling capacity 150 Ltr.per hour @ an ambient temp of 45° C. The outlet temp. of the water should drop by 15°C within a hour, The water cooler should be comprising of hermetically sealed compressor, fan motor, condensing unit, water tank surrounded by evaporating, coil, thermostats, relay etc.complete with necessary inlet & outlet connection. The body of water cooler will be made from Stainless Steel.	55893.40	Rupees Fifty Five Thousand Eight Hundred Ninety Three And Paise Forty Only	Ea	111786.80
75	2	Nos	Supplying & erecting reverse osmosis (RO) water purification system with M.S. powder coated pedestal frame, prefilter housing carbon filter suitable buster DC pump, auto low & high pressure switches with following size of LPH capacity & erected as directed [D] 100 LPH with 1 phase / 3 phase Raw water pump of 500LPH @ 2.5kg/cm2 - (1No - Kirloskar /CRI/Lubi), Dual media filter 10"x54" - (1 No), Micron cartridge filter 20" x 2.5" ( 1No), High pressure pump 500LPH @ 10kg/cm2 - (1No - Shinge /CRI /Lubi), RO Membrane housing with RO membrane of 40"40 - (1No), RO pressure tube 4" x 1E - ( 1No), 0 - 1200LPH Rotameter -(2 Nos), with Recovery Rate 50%.	77891.20	Rupees Seventy Seven Thousand Eight Hundred Ninety One And Paise Twenty Only	Ea	155782.40

Item No	Qty		Item	Rate in Figure & Word		Unit	Amount
76	6	Nos	Providing and erecting <u>Inverter</u> based approved make split air-conditioning unit consisting of condensing unit with variable speed fan motor, inverter type hermetically sealed rotary compressor with accessories etc. duly connected separately erected evaporating unit and blower motor with its accessories by means of extra supplied proper insulated copper tubing, drain PVC pipes suitable for ( cost includes Eco Friendly green gas charging and 15A plug top & Remote Control & MS Stand) with necessary core cutting. (1)For ISEER Range (KWH/KWH)(3.1 to 3.99) (C) for 1.7 to 2 ton capacity - Premium Cat.	56353.96	Rupees Fifty Six Thousand Three Hundred Fifty Three And Paise Ninety Six Only	Ea	338123.76
77	42	Rmtrs	Supplying and erecting insulated pair of soft copper tubing open or concealed including power and control cable, necessary PVC drain pipes for Split AC machine up to 4 TR capacity	965.56	Rupees Nine Hundred Sixty Five And Paise Fifty Six Only	Rmtr.	40553.52
78	2	Nos	Supplying and erecting approved make panel mounting type Digital Voltmeter having 3 digits LED display, 0 to 750 AC Volts range erected on existing panel board with all connection, wiring etc .with manufacturers calibration certificate.	1275.63	Rupees One Thousand Two Hundred Seventy Five And Paise Sixty Three Only	Ea	2551.26
79	2	Nos	Supplying and erecting approved make panel mounting type Digital Ammeter having 3 digits LED display, external CT operated, calibrated for 0 to 1000 Amps suitable to operate on 500 Volt AC , erected on existing panel board with all connection, wiring etc .with manufacturers calibration certificate.	1558.43	Rupees One Thousand Five Hundred Fifty Eight And Paise Forty Three Only	Ea	3116.86
80	6	Nos	Supplying and erecting Ammeter / Voltmeter selector switch for 3 phase AC Supply 500 V on existing panel board with necessary connections.	317.14	Rupees Three Hundred Seventeen And Paise Fourteen Only	Ea	1902.84
81	6	Nos	Providing & erecting L.T. Current Transformer with bar primary 50/5 to 1000/5 ratio 15 VA burden erected in existing CRCA box duly secured with insulating materials connected to the meter	274.72	Rupees Two Hundred Seventy Four And Paise Seventy Two Only	Ea	1648.32
82	6	Nos	Supplying and erecting approved make suitable panel indicator LED type lamp, lens cover, complete erected with necessary connections.	43.43	Rupees Forty Three And Paise Forty Three Only	Ea	260.58
83	62	Kgs	Providing , erecting , fabricating the M.S. structure as per requirement on site incorporating proper size of M.S. angles, square, round, flats, bars, channels, sections complete with cutting, welding, grinding & finishing duly painted with one coat of red oxide with erection on site as per direction of engineer in charge with necessary grouting, cementing, plastering & finishing complete.	77.77	Rupees Seventy Seven And Paise Seventy Seven Only	Kg	4821.74

Item No	Qty		Item	Rate in Figure & Word		Unit	Amount
84	1	Nos	Supplying and erecting approved make online Un-interruptible Power Supply system comprising flat cum-boost charger with IGBT base rectifier & Inverter & sealed maintenance free SMF batteries. The charger having operating capacity for input 160-270V AC & inverter having output 230V,50 Hz Ac with 0.8 load power factor with battery, over/under voltage output with over load & short circuit protection equipment. The system housed in CRC sheet duly powder coated paint with following power backup.with MS painted batteries stand, 10% Overload capacity for momentary load.(C) 3 KVA with 1Hr Backup	82941.20	Rupees Eighty Two Thousand Nine Hundred Forty One And Paise Twenty Only	Ea	82941.20
85	2	Nos	Providing & erecting open well horizontal mono block pump set with cast iron body, complete for three phase submersible motor having [D] For 5 HP 3 phase open well horizontal mono block pump set suitable for 1350 LPM to 310 LPM @ 10 to 42 Mtr head suitable for 50/65 mm dia delivery pipe	18746.61	Rupees Eighteen Thousand Seven Hundred Forty Six And Paise Sixty One Only	Ea	37493.22
86	2	Nos	Supplying & erecting approved make motor control cubical panel (Direct - on - line) made from 16 G. CRCA sheet duly epoxy powder painted inside and outside with hinged doors and locking, arrangement consisting of suitable size of ON- OFF isolator (AC - 3/23duty) main fuses, single phasing preventer, indicating lamps for R- Y - B phases, overload relay, Automatic water level controller, Ammeter, Voltmeter each with two way selector switch incoming, wires duly socket crimped, main contactor & overload relay, start - stop push buttons, to be erected on angle iron frame grouted on wall as directed. The isolator, overload relay & contactors will be of L & T, Siemens or BCH make only. (A) DOL up to 5.0 H.P.	7722.46	Rupees Seven Thousand Seven Hundred Twenty Two And Paise Forty Six Only	Ea	15444.92
87	2	Nos	Lifting of submersible motor pump set complete with required No .& size of casing pipes by means of proper chain pulley block and pipe. wrenches. Job includes stacking of pipes chronologically after due checking of threads. (A) Up to 60 mtrs.	1711.95	Rupees One Thousand Seven Hundred Eleven And Paise Ninety Five Only	Ea	3423.90
88	160	Rmtrs	Providing and erecting ISI marked PVC insulated PVC Sheathed Flat flexible Submersible copper cable approved make of following Size. (C) 3 Core x 4 Sq. mm	146.45	Rupees One Hundred Forty Six And Paise Forty Five Only	Mtr.	23432.00

Item No	Qty		Item	Rate in Figure & Word		Unit	Amount
89	1	Nos	SITC of Three Phase IN & Three Phase Output Unbalanced Type 80kva Oil Cooled Indoor type Servo Voltage Stabilizer. Following Below Technical Specification 1-Input Voltage Regulation 380v to 480v 2- Output Voltage 415+/- 1% Line to line with Oil 3-Input High voltage & Input Low Voltage Cut off 4- Output Over Voltage & Under Voltage Cutoff and Trip 5-Single Phasing Preventer & Phase Loss trip 6-Microcontroller & DSP based Electronics card with inbuilt LCD Displayed System 7-Load Current phase wise monitoring. With Oil 8- Input MCCB 160A FP 36ka	205535.00	Rupees Two Lakh(s) Five Thousand Five Hundred Thirty Five Only	Ea	205535.00
90	1	Nos	Providing & erecting, programming, testing of chairman unit microphone with flexible stem of 480 mm in length and light ring built in loud speaker ,two head phone socket ,attractive design ,priority button for chairman microphone,built in volume control for head phones,chime tone facility to precede chairman priority calls,microphone on/off button,red indicates for microphone is active,frequency response -400Hz to 10kHz,nominal acoustic input -85 dB SPL [[Approved by Competent Authority i.e. not Below the rank of Executive Engineer ]	5992.33	Rupees Five Thousand Nine Hundred Ninety Two And Paise Thirty Three Only	Ea	5992.33
91	14	Nos	Providing & erecting, programming, testing of Delegate unit microphone with flexible stem of 480 mm in length and light ring built in loud speaker ,two head phone socket ,attractive design ,built in volume control for head phones,chime tone facility to precede chairman priority calls,microphone on/off button,red indicates for microphone is active,frequency response -400Hz to 10kHz,nominal acoustic input -85 dB SPL [[Approved by Competent Authority i.e. not Below the rank of Executive Engineer ]	5565.10	Rupees Five Thousand Five Hundred Sixty Five And Paise Ten Only	Ea	77911.40

Item No	Qty		Item	Rate in Figure & Word		Unit	Amount
92	1	Nos	Supplying & erecting dual channel amplifier ,power handling capacity of 180 watt ,four micro phone inputs with independent level control ,built in FM tuner,with preset memories,USB drive & SD card for MP3 playback ,100v /telephone input with priority and VOX,frequency response-80 Hz to 18k Hz Philips / /distortion less than 1% @ rated power up to 50 units [[Approved by Competent Authority i.e. not Below the rank of Executive Engineer ]	3330.98	Rupees Three Thousand Three Hundred Thirty And Paise Ninety Eight Only	Ea	3330.98
93	6	Nos	Supplying and erecting wall mount speaker with rated power of 30 watt/power tapping 30/15/7.5 watt available,opening angle 180 degree H * 77 degree V ,sound pressure level 88 dB ,frequency response of 70Hz to 20KHz [[Approved by Competent Authority i.e. not Below the rank of Executive Engineer ]	2569.44	Rupees Two Thousand Five Hundred Sixty Nine And Paise Forty Four Only	Ea	15416.64
94	1	Nos	SITC of Rack Mounting kit for the control unit. [Approved by Competent Authority i.e. not Below the rank of Executive Engineer ]	4814.67	Rupees Four Thousand Eight Hundred Fourteen And Paise Sixty Seven Only	Ea	4814.67
95	14	Nos	SITC of extension cable between the units or between the controller and unit -5 meter long [Approved by Competent Authority i.e. not Below the rank of Executive Engineer ]	6976.07	Rupees Six Thousand Nine Hundred Seventy Six And Paise Seven Only	Ea	97664.98
96	1	Nos	SITC of extension cable between the units or between the controller and unit -10 meter long [Approved by Competent Authority i.e. not Below the rank of Executive Engineer ]	8104.24	Rupees Eight Thousand One Hundred Four And Paise Twenty Four Only	Ea	8104.24

Item No	Qty		Item	Rate in Figure & Word		Unit	Amount
97	1	Nos	Supply, Installation, Testing and Comissioning of 55" UHD Professional Display, 500 Nits Brightness, contrast ratio 50000:1, Operation: 24x7, Input ports: 1xVGA; 2xUSB 2.0, 4x HDMI 2.0 In, Secure USB 2.0 (Internal), RJ45, RJ12, RS232, Optical SPDIF, 1xHDMI 2.0 out, Supports Daisy Chain, Speaker 2x10 W, 30-degrees Tilting Installation, Open Content Management Support, Scheduler, USB-Autoplay, AutoLaunch, HDMI-CEC, HDMI-Wakeup, Auto-switch on Failover, Panel Lock, OSD Rotation, No Signal Power Off, Screen Saver, Pixel shift, Scheduler, Videowall support, Remote control via LAN, Realtime Clock, Joystick, Rocker Switch, Optional : SDM or OPS compatibility, Embedded IR, IR extender option, Optional: Overlay Touch Kit Compatibility, Certifications: Safety, EMC, CE. including 5 mtr. HDMI cable As per No/PB/Ahmedabad-2/Nadiad/ORG TS 147/4969/2024 Dt.22/07/2024	97698.31	Rupees Ninety Seven Thousand Six Hundred Ninety Eight And Paise Thirty One Only	Ea	97698.31
			Supply, Installation, Testing & Commissioning of following size of Grid Tied Solar Power Plant with Solar Panels (ALMM approved): Frame Material : Anodized Aluminum alloy Frame With Twin Wall Profile, Front Cover : High Transmission Low-Iron Tempered Glass (AR Coated), High efficiency and positive power tolerance Pmax: 0/+5, Module Efficiency should be approx. 19.5%-22%, Normal operating temperature 45°C, Junction Box with Waterproof IP67 & MC4 Compatible and Enclosed with Bypass diodes, 100% Electroluminescence test to ensure error free Modules, Thep. temp. co-efficient of the PV module shall equal or better than -0.45%/degree C. Solar PV modules of minimum fill factor 75% to be used. Unit Production:- More than 4.5 Unit /kw /day (Actual)(1Year Avg) With 10 year Product warranty and 25 year Linear Power Warranty includes all mechanical and electrical parameters of the Solar panel. Modules must be complied to the DCR(Domestic content requirements). The Ration of AC to DC is 5:6 for the Installation capacity which are given in AC KW. Solar Inverter: MPPT Range: MPPT Range: 80-1000 V , Max efficiency: 97.5% - 98.9%, O/p Frequency: 50/60Hz, Operating Altitude (m) ≤4000, O/p Power Factor: ~1, O/P THDi: <3%, Operating Tempreture Range: -25~60°C, Integrated protection of Inverter are Anti-islanding Protection, Input Reverse Polarity Protection, Insulation Resistor Detection, Ground fault protection, Residual Current Monitoring Unit, Output Over Current Protection, Output Short Circuit Protection, Output Over Voltage Protection, PV array string fault Protection. Protection Degree: IP65, User Interface LCD & APP, Datalogger & Communication: GPRS / Wi-Fi.				



Item No	Qty		Item	Rate in Figure & Word		Unit	Amount
			<p>Integrated, Output Over Voltage Protection Integrated, Protection Degree: IP65, User Interface LCD &amp; APP, Datalogger &amp; Communication: GPRS / Wi-Fi, Module Mounting Structure: The mounting (Rectangular pipe / square pipe / circular pipe) with requisite cross bars, nuts and bolts, etc. shall be Hot deep galvanized with minimum 80micron coating. The Rectangular / square / circular hollow pipe section used for the structure should have a minimum thickness of 2.0 mm. other than above, the material thickness should be minimum 2.5 mm. A certificate of a structural engineer certifying the strength and stability of the mounting structure to withstand the weight and wind speed of 150 km/hour throughout the life span of 25 years of the system, shall be submitted by the vendors. Hot Dipped Galvanized steel coils. suitable arrangement for base plate for foundation , solar panel mounting, the structure should be suitable for carry the load of solar panel,wiring, sprinkler system etc. with necessary foundation work/wall mount, j bolt, anchor fastner etc. the nut bolt used for installtion of stucture should be (SS 304) quality.The ground clearance of the bottom most edge of solar panel shall not be less than 300 mm to 1200 mm or as per site's technical/feasibility requirement.</p> <p>a. Column –The minimum section (thickness) should be 60MM*40MM</p> <p>b. Rafter - The minimum section (thickness) should be 60MM*40MM</p> <p>c. Purlin - The minimum section (thickness) should be 40MM * 40MM Balane of System with necessary Switchgears (Suitabel size and protection of ACDB &amp; DCDB), inter connecting wiring, earthing system as per the CEIG drawing approval, lightning arrester system as per the CEIG drawing approval, all liasoning work with various gov. dipartment like state nodal agency,DISCOM &amp; CEIG is included in agency scope</p>				
98	30	per KW	(Excluding All charges namely GEDA Application fees, Solar connectivity Charges, Meter connectivity Charges, Meter testing Charges and system stability/strenthning charges.) (D) Grid Tied Solar Power System: 26 - 50 kW (3 - phase)	42156.39	Rupees Forty Two Thousand One Hundred Fifty Six And Paise Thirty Nine Only	Ea	1264691.70
<b>Total Rs :-</b>							<b>₹ 4,534,846.47</b>
<b>Rupees Forty Five Lakh(s) Thirty Four Thousand Eight Hundred Forty Six And Paise Forty Seven Only</b>							

Sign of Contractor

Executive Engineer  
Ahmedabad Electrical Division no.2  
R & B Deptt. Ahmedabad