

SCHEDULE - A

Name of Work Renovation to Compound Light, Borewell & E.I in Govt. Polytechnic at Sector-26, Gandhinagar

Fund Head : 4202 Budgeted

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

Signature of Contractor

Deputy executive Engineer
C.P Electrical R & B Sub Dn 21
Gandhinagar.

SCHEDULE - B

Name Of Work :- Renovation to Compound Light, Borewell & E.I in Govt. Polytechnic at Sector-26, Gandhinagar

Item No.	Estimated Quantity		Item Description	Rate in Rs.		Unit	Amount in Rs.
				In Figure	In Word		
1	102	pts	Replacing old and u/s by 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. (j) in existing pipe erected concealed in wall/ceiling complete Cat. III	410.06	Rupees Four Hundred Ten And Paise Six Only	pt	41,826.12
2	32	pts	Replacing old and u/s by 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. (j) in existing pipe erected concealed in wall/ceiling complete Cat. III	556.51	Rupees Five Hundred Fifty Six And Paise Fifty One Only	pt	17,808.32
3	16	pts	Replacing old and u/s by 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	4,120.80
4			Replacing old and u/s 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.				
	26	nos	(1)One No. SP 6 Amp. Cat.III	151.50	Rupees One Hundred Fifty One And Paise Fifty Only	Each	3,939.00
	26	nos	(2) One No 5 pin plug Cat.III	151.50	Rupees One Hundred Fifty One And Paise Fifty Only	Each	3,939.00
	11	nos	(7) Blank Plate Single Cat.III	25.25	Rupees Twenty Five And Paise Twenty Five Only	Each	277.75
	21	nos	(9) 16 Amp. SP one way switch Cat.III	180.79	Rupees One Hundred Eighty And Paise Seventy Nine Only	Each	3,796.59
	21	nos	(10) 6/16Amp. Universal socket Cat.III	199.98	Rupees One Hundred Ninety Nine And Paise Ninety Eight Only	Each	4,199.58
5			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				
	520	mtrs	(a)20 mm	24.24	Rupees Twenty Four And Paise Twenty Four Only	mtr	12,604.80

	200	mtrs	(b)25 mm	33.33	Rupees Thirty Three And Paise Thirty Three Only	mtr	6,666.00
6			Providing & erecting PVC Corrugated Flexible Conduit with required nos. of coupling, PVC bushes, Check-nuts etc. complete of following sizes.				
	50	mtrs	(1) 20 mm	17.17	Rupees Seventeen And Paise Seventeen Only	mtr	858.50
7			Replacing old and u/s 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 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				
	100	mtrs	(E) in existing pipe (a) 2 wire 1.5 sq. mm	46.46	Rupees Forty Six And Paise Forty Six Only	mtr	4,646.00
	210	mtrs	(E) in existing pipe (b) 2 wire 2.5 sq. mm	62.62	Rupees Sixty Two And Paise Sixty Two Only	mtr	13,150.20
8			Replacing old and u/s 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				
	200	mtrs	(E) in existing pipe (a) 2 wire 4 sq. mm	86.86	Rupees Eighty Six And Paise Eighty Six Only	mtr	17,372.00
9	492	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	22,858.32
10	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. (e) One wire 6.00 sq. mm	56.56	Rupees Fifty Six And Paise Fifty Six Only	mtr	3,959.20
	30	mtrs	(f) One wire 10.00 sq. mm	91.91	Rupees Ninety One And Paise Ninety One Only	mtr	2,757.30
	12	mtrs	(h) One wire 25.00 sq. Mm	236.34	Rupees Two Hundred Thirty Six And Paise Thirty Four Only	mtr	2,836.08
	12	mtrs	(j) One wire 50.00 sq. Mm	470.66	Rupees Four Hundred Seventy And Paise Sixty Six Only	mtr	5,647.92
11	2000	sq.inch	Providing & Erecting 3mm thick Polycarbonate (PC) sheet with grooving as directed	3.03	Rupees Three And Paise Three Only	sq.inch	6,060.00
12			Replacing old and u/s 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.)				

	10	nos	(A) Tube Light with integral driver (i) 5-10 Watts, Surge-2 KV, IP-20, conventional 1 to 2 feet Cat-III	165.64	Rupees One Hundred Sixty Five And Paise Sixty Four Only	Each	1,656.40
	102	nos	(A) Tube Light with integral driver (iv) 22-24 Watts, Surge-2 KV, IP-20, conventional 4 feet Cat-III	373.70	Rupees Three Hundred Seventy Three And Paise Seventy Only	Each	38,117.40
13	30	nos	Replacing old and u/s 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 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 (iii) 16-20 watts, Surge-2 KV Cat-III	589.84	Rupees Five Hundred Eighty Nine And Paise Eighty Four Only	Each	17,695.20
	108	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	1,794.77	Rupees One Thousand Seven Hundred Ninety Four And Paise Seventy Seven Only	Each	193,835.16
14	62	nos	Replacing old and u/s by 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. (i) above 36 to 48 watts Cat-III	3,345.12	Rupees Three Thousand Three Hundred Forty Five And Paise Twelve Only	Each	207,397.44
15	24	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.) (B) Flood Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection. (vii) above 200 to 250 watts Cat-III	10,818.11	Rupees Ten Thousand Eight Hundred Eighteen And Paise Eleven Only	Each	259,634.64

16	20	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.) (C) Post Top Lantern LED fitting comprises of finish cast aluminum spigot and spun aluminum canopy fixed with opal polycarbonate, pipe arrangement for vertical mounting driver and accessories wired upto terminal block.IP 65 (ii)32-40W Cat-III	4,819.72	Rupees Four Thousand Eight Hundred Nineteen And Paise Seventy Two Only	Each	96,394.40
17	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 Note:-1 Add Rs. 10% extra for housing/Encloser of MCCB for Item No 3-4-1 to 3-4-12 (The Enclosures should be used of same company of MCCBs to be used)	6,790.43	Rupees Six Thousand Seven Hundred Ninety And Paise Forty Three Only	Each	20,371.30
18	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 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	8,055.76	Rupees Eight Thousand Fifty Five And Paise Seventy Six Only	Each	8,055.76
19	4	nos	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. and above at 415 V . having normal current rating 250A. 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 Note:-1 Add Rs. 10% extra for housing/Encloser of MCCB for Item No 3-4-1 to 3-4-12 (The Enclosures should be used of same company of MCCBs to be used)	23,041.03	Rupees Twenty Three Thousand Forty One And Paise Three Only	Each	92,164.12
20	2	nos	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. and above at 415 V . having normal current rating 250A. 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	20,946.39	Rupees Twenty Thousand Nine Hundred Forty Six And Paise Thirty Nine Only	Each	41,892.78
21	3	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.. (1) 15 A -100 A , CT Ratio 1/100	4,687.41	Rupees Four Thousand Six Hundred Eighty Seven And Paise Forty One Only	Each	14,062.23
	1	nos	(2) 125 A -200 A , CT Ratio 1/200	4,983.34	Rupees Four Thousand Nine Hundred Eighty Three And Paise Thirty Four Only	Each	4,983.34

	4	nos	(3) 250 A -400 A , CT Ratio 1/400	5,415.62	Rupees Five Thousand Four Hundred Fifteen And Paise Sixty Two Only	Each	21,662.48
22	1	nos	Supply of Approved make Iron Clad or metal clad four pole change over switch 415V. Co nfirming to IS of following capacity (A) 63 A	4,006.67	Rupees Four Thousand Six And Paise Sixty Seven Only	Each	4,006.67
23	1.8	Rn. Mtr.	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 (C) Suitable for 300 Amp. capacity	3,202.71	Rupees Three Thousand Two Hundred Two And Paise Seventy One Only	Rn. Mtr.	5,764.88
	2.0	Rn. Mtr.		4,909.61	Rupees Four Thousand Nine Hundred Nine And Paise Sixty One Only	Rn. Mtr.	9,819.22
24	128	nos	Replacing old and u/s 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 And Paise Eleven Only	Each	14,350.08
25			Replacing old and u/s by 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				
	2	nos	(B) 40 Amp. Cat.III	330.27	Rupees Three Hundred Thirty And Paise Twenty Seven Only	Each	660.54
26	2	Nos	Replacing old and u/s by 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 (c)63 Amp. Cat.III	737.30	Rupees Seven Hundred Thirty Seven And Paise Thirty Only	Each	1,474.60
27	2	nos	Replacing old and u/s by Providing and Erecting Sheets steel powder coated enclosure suitable for incorporating One/Two nos. MCB.	176.75	Rupees One Hundred Seventy Six And Paise Seventy Five Only	Each	353.50
28			Replacing old and u/s 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				
	2	nos	(A) single phase incoming and horizontal single phase outgoing (b) sheet steel double door (IP-43) (iii)8 way	1,152.41	Rupees One Thousand One Hundred Fifty Two And Paise Forty One Only	Each	2,304.82
	2	nos	(B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI) (b) sheet steel double door (i)4 way	2,339.16	Rupees Two Thousand Three Hundred Thirty Nine And Paise Sixteen Only	Each	4,678.32
29	8	nos	Replacing old and u/s 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 (ii) 40Amps. DP Cat. III	2,235.13	Rupees Two Thousand Two Hundred Thirty Five And Paise Thirteen Only	Each	17,881.04

30	2	nos	Replacing old and u/s 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 3 phase and neutral 415V,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. FP Cat. III	2,637.11	Rupees Two Thousand Six Hundred Thirty Seven And Paise Eleven Only	Each	5,274.22
31	10	kg	Providing and erecting HOT deep Galvanised iron strip wire 8 to 16 SWG.	77.77	Rupees Seventy Seven And Paise Seventy Seven Only	kg	777.70
32	12	nos	Supplying & 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. (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, Sulphar 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 440V in normal soil Length of pipe - 1 Mtr Back filling compound - 1 Nos Bag of 15 Kg.	4,591.46	Rupees Four Thousand Five Hundred Ninety One And Paise Forty Six Only	Each	55,097.52
33	1.13	Sq. Mtr.	Providing & erecting weather proof, dust & 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 & 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 & cable alley as per requirements & 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 & 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 & 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. (A) locally fabricated panel board (i) with 350 mm depth	10,468.65	Rupees Ten Thousand Four Hundred Sixty Eight And Paise Sixty Five Only	Sq. Mtr.	11,829.57
34	205	Kg.	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.	15,942.85

35	200	mtrs	Replacing Old u/s by new 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 (B) 3 1/2 core 35 Sq. mm (16 Sq. mm 1/2 core) Old-60 New-140	220.18	Rupees Two Hundred Twenty And Paise Eighteen Only	mtr	44,036.00
	520	mtrs	(F) 3 1/2 core 120 Sq. mm (70 Sq. mm 1/2 core) Old-100 New-420	540.35	Rupees Five Hundred Forty And Paise Thirty Five Only	mtr	280,982.00
36	890	mtrs	Replacing old and u/s by 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 (A) 4 core 4 Sq. mm Old-600 New-290	117.16	Rupees One Hundred Seventeen And Paise Sixteen Only	mtr	104,272.40
	840	mtrs	(C) 4 core 10 Sq. Mm All New	140.39	Rupees One Hundred Forty And Paise Thirty Nine Only	mtr	117,927.60
37	50	mtrs	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand / Solid Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables.(A) 4 core 2.5 Sq. mm	271.69	Rupees Two Hundred Seventy One And Paise Sixty Nine Only	mtr	13,584.50
38	830	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	46,106.50
39	145	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. (B) If additional machinery like hammer driller or JCB use [Add]	432.28	Rupees Four Hundred Thirty Two And Paise Twenty Eight Only	mtr	62,680.60
40	140	mtrs	Drilling the road without breaking the road surface (Asphalt) for laying of cable for feeding power supply by making up to following size of holes at both ends complete. (A) Up to 100 mm bore dia	492.88	Rupees Four Hundred Ninety Two And Paise Eighty Eight Only	mtr	69,003.20
41	100	mtrs	Supplying following size of Light duty "A" Class G.I . Pipe & erecting as directed by Engineer-in-charge. (A) 25 mm dia	172.71	Rupees One Hundred Seventy Two And Paise Seventy One Only	mtr	17,271.00
42	1155	mtrs	Providing & laying approved make Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II)with necessary connecting accessories of same material at required depth in existing trench for laying of cable. below ground / road surface for enclosing cable (A)50 mm outer dia	62.62	Rupees Sixty Two And Paise Sixty Two Only	mtr	72,326.10
43	32	nos	Replacing old and u/s 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 3blades with aluminium blades with , canopy & 30 cm. down rod erected with earthing.(Make shall be approved by Engineer in charge))	1,948.29	Rupees One Thousand Nine Hundred Forty Eight And Paise Twenty Nine Only	Each	62,345.28
44	10	nos	Replacing Old & u/s by new Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	18.18	Rupees Eighteen And Paise Eighteen Only	Each	181.80
45	5	nos	Replacing old and u/s by Supplying & erecting approved make low noise decorative exhaust fan having square frame ABS body with inbuilt lowers & square frame.200mm with 1350RPM Cat.II	1,703.87	Rupees One Thousand Seven Hundred Three And Paise Eighty Seven Only	Each	8,519.35

46	3	nos	Supplying & erecting single phase approved make industrial exhaust fan suitable for medium duty ring mounted low noise operation suitable for medium duty having following dia size and maximum speed in RPM [A] 305 mm dia 900 RPM Cat.II	2,054.34	Rupees Two Thousand Fifty Four And Paise Thirty Four Only	Each	6,163.02
47	5	nos	Replacing Old u/s by new Supplying & erecting Galvanized M.S pipe post "B" class 88.9 mm O.D 6 mtr. Long duly painted with two coats of aluminium paint complete with metallic base- plate of 300 mm x 300 mm x 4mm thick for using as a compound light pole with approx. weight 47 Kg.	4,440.97	Rupees Four Thousand Four Hundred Forty And Paise Ninety Seven Only	Each	22,204.85
48	3	nos	Supplying & erecting Steel tubular pole (Swaged) confirming to IS - 2713 (Part-II) 1980. Manufacturing process of steel tubular pole should be as per IS specification. Basic steel tube should be ISI Marked. Pole should be painted by one coat of Zinc comet Primer and two coat of Aluminium /approved paint to be erected on / in existing Foundation. The length of poles are as below. (H) 16.00 mtr. Long Swaged Steel tubular pole (i) Pole as per IS code 410-SP-77 with 450 X 450 X 10 mm base plate. (Approximate weight 341 Kg)For burial erection	35,389.39	Rupees Thirty Five Thousand Three Hundred Eighty Nine And Paise Thirty Nine Only	Each	106,168.17
49	18	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. (A) 3 Mtr. Long 70 mm Top X 130 mm bottom dia.3 mm thickness with 200mmX200mmX12mm base plate, 4-M16 Bolts and 450mm long with necessary G.I. J Bolts .Approx weight 29 kg	4,237.96	Rupees Four Thousand Two Hundred Thirty Seven And Paise Ninety Six Only	Each	76,283.28
50	30	nos	(C) 5 Mtr. Long 70 mm Top X 130 mm bottom dia, 3 mm thickness with 200mmX200mmX12mm base plate, 4-M16 Bolts and 600mm long with necessary G.I. J Bolts .Approx Pole weight 46 kg	6,874.06	Rupees Six Thousand Eight Hundred Seventy Four And Paise Six Only	Each	206,221.80
51	20	nos	Providing 1:2:4 cement concrete foundation & 70 % PCC from bottom including excavation for the pole of size 45 x 45 x 100 cm. Deep in below ground level with plinth of 45 cm x 45 cm (or 45 cm dia x 45 cm) high upper ground level with necessary curing and finishing in approved manner. (for 4 & 6 mtr pole)	809.01	Rupees Eight Hundred Nine And Paise One Only	Each	16,180.20
52	3	nos	Providing 1:2:4 cement concrete foundation & 70 % PCC from bottom including excavation for the pole of size 90 x 90 x 180 cm. Deep in below ground level with plinth of 45 cm x 45 cm (or 45 cm dia x 45 cm) high upper level ground cement concrete with necessary curing and finishing in approved manner [above 11 mtr & above poles]	2,209.88	Rupees Two Thousand Two Hundred Nine And Paise Eighty Eight Only	Each	6,629.64
53	2	Cu. Mtr.	Providing cement concrete. foundation or for concrete filling in 1:3:6 ratio with 20 to 25 mm stone metal duly plastered with necessary curing for pole muffing or any other purpose.	4,511.67	Rupees Four Thousand Five Hundred Eleven And Paise Sixty Seven Only	Cu. Mtr.	9,023.34
54	32	nos	Replacing Old u/s by new 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. (A) 300mm x 200mm x 100mm [deep] Old-20 New-12	898.90	Rupees Eight Hundred Ninety Eight And Paise Ninety Only	Each	28,764.80

55	41	nos	Replacing Old u/s by new Providing and erecting street light pole bracket comprising main B Class GI pipe 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 Old-30	614.08	Rupees Six Hundred Fourteen And Paise Eight Only	Each	25,177.28
	11	nos	[B] Double Arm Bracket 1 Mtr	829.21	Rupees Eight Hundred Twenty Nine And Paise Twenty One Only	Each	9,121.31
56	10	nos	Supplying and erecting B class galvanised iron pipe 32 mm outside dia 45 cm long duly welded on 20 cm x 20 cm x 3 mm thick M.S. base plate, erected on wall or corner for mounting street light luminaire with necessary hardware materials duly painted.	343.40	Rupees Three Hundred Forty Three And Paise Forty Only	Each	3,434.00
57	1	nos	Supplying & erecting IP 55 grade following size section pillar fabricated from joint less M.S. Sheet with angle iron legs made from jointless M.S. Angle with cable clamps to be buried in ground to have appropriate erection to work uniform until erected with cement concrete foundation and 45 cm high bricks work finishing with plaster etc. hinged double door internally supported on both side, with internal and outside looking arrangement with look and keys in duplicate 35 x 35 x 5 mm M.S. Angle of Two Nos. one is welded and other with nut and bolt for erecting Bakelite sheet. Painting the Section Pillar inside and out side with three tank powder coated paint. section pillar roof should be without joint with water leakage proof & tested as per IP 55 test & followed by IS 2147 of 1962 (A) 150 X 90 X 75 cm section pillar fabricated from 14 Gauge MS Sheet with angle iron legs 95 cm long made from 40 X 40 X 6 mm thick MS angle.	16,691.26	Rupees Sixteen Thousand Six Hundred Ninety One And Paise Twenty Six Only	Each	16,691.26
	3	nos	(B) 75 X 60 X 45 cm section pillar fabricated from 16 Gauge MS Sheet with angle iron legs 45 cm long made from 35 X 35 X 5 mm thick MS angle.	3,595.60	Rupees Three Thousand Five Hundred Ninety Five And Paise Sixty Only	Each	10,786.80
58	3	Sq. Mtr.	Supplying and erecting HYLAM sheet on existing angle iron frame.for following thickness (E) 10mm	1,927.08	Rupees One Thousand Nine Hundred Twenty Seven And Paise Eight Only	Sq. Mtr.	5,781.24
59	3	nos	Replacing Old u/s by new Supplying & erecting approved make Digital time switch having lithium cell 6 years operative and operate battery backup 1 channel day clock with 14 memory programme, suitable to operate on 240V + 5%, 16A with, floating contacts Minimum switching setup time 1 minimum & LCD display. Also comprised permanent ON/OFF switching. Programming switches & housed in fire proof thermoplastic enclosure & transparent cover erected as required with necessary connection erected as directed.	3,168.37	Rupees Three Thousand One Hundred Sixty Eight And Paise Thirty Seven Only	Each	9,505.11
60	4	nos	Providing and erecting approved make split air-conditioning unit consisting of copper condensing unit with fan motor, 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 powder coated Stand, Eco Friendly green gas charging, 15A plug top & Remote Control) with necessary core cutting. (1)For ISEER Range (KWH/KWH)(3.1 to 3.99) (c) for 2 ton capacity	46,288.30	Rupees Forty Six Thousand Two Hundred Eighty Eight And Paise Thirty Only	Each	185,153.20

61	30	Rmt.	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	Rmt.	28,966.80
62	3	nos	Replacing Old u/s by new Providing and erecting AC-3 duty 3 pole power contactor with 2 NO & 2 NC aux contacts complete with 415V/220V operating coil suitable for (L&T, BCH,T.C., Siemens, C&S make). (C) for 60 / 70 A rating	8,141.61	Rupees Eight Thousand One Hundred Forty One And Paise Sixty One Only	Each	24,424.83
63	2	nos	Providing & erecting open well horizontal mono block pump set with cast iron body, complete for three phase submersible motor having [E] For 7.5 HP 3 phase open well horizontal mono block pump set suitable for 1550 LPM to 370 LPM @ 13.5 Mtr to 42 Mtr head suitable for 65/75 mm dia delivery pipe Cat.II	25,987.30	Rupees Twenty Five Thousand Nine Hundred Eighty Seven And Paise Thirty Only	Each	51,974.60
64	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. (B) DOL for 7.5 H.P.	8,710.24	Rupees Eight Thousand Seven Hundred Ten And Paise Twenty Four Only	Each	17,420.48
65	2	nos	Supplying and erecting approved make 3 phase motor control panel (ATS) made from 16 G. CRCA sheet duly painted with epoxy power paint inside and outside with hinged doors and locking arrangement, consisting, of suitable switch of AC 23 duty with HRC fuses (Cat.III), starting and running contactors, overload relay, Automatic water level controller, Electronic timer with master timer CT operated Ammeter with selector switch, Voltmeter with selector switch, phase indicating lamps, single phasing preventer , water level guard, over load, start, run and stop push buttons, air cooled auto transformer with 60%, 70%, 80% tapping, Panel to be erected on angle iron frame grouted on wall as directed., contactors relays, timer etc. shall be of L & T Siemens / Cutler Hammer make. (E) Suitable for 50 H.P.	55,786.34	Rupees Fifty Five Thousand Seven Hundred Eighty Six And Paise Thirty Four Only	Each	111,572.68
66	2	nos	S.I.T.C. submersible pump set for bore of 200 mm. dia. Or more having 3 phase motor capacity about 45 H.P discharge capacity having . Lifting and Lowering taken extra. (B) (9 Stage) 1270 to 1180 L.P.M. discharge at. the head 113 to 126 mtrs. suitable for 100 mm dia. delivery pipe Cat.III	101,120.19	Rupees One Lakh(s) One Thousand One Hundred Twenty And Paise Nineteen Only	Each	202,240.38
67	2	Per Job.	Lowering of submersible motor pump set at the depth of following ,complete with required. Nos. and size of casing pipes erected by means of proper chain pulley block & pipe wrenches after checking of threads of each pipe with coupling to take the load of the pump set and pipe assembly filled up with water (C)Above 120 mtr.	2,996.67	Rupees Two Thousand Nine Hundred Ninety Six And Paise Sixty Seven Only	Per Job.	5,993.34
	2	Per Job.	(D)For Open well Horizontal submersible pump set for sump well (ii) 7.5HP to 15 HP	1,284.72	Rupees One Thousand Two Hundred Eighty Four And Paise Seventy Two Only	Per Job.	2,569.44
68	50	mtrs	Providing and erecting ISI marked PVC insulated PVC Sheathed Flat flexible Submersible copper cable approved make of following Size. (D) 3 Core x 6 Sq. mm.	172.71	Rupees One Hundred Seventy Two And Paise Seventy One Only	mtr	8,635.50

	500	mtrs	(G)3 Core x 25 Sq. mm	647.41	Rupees Six Hundred Forty Seven And Paise Forty One Only	mtr	323,705.00
68	2	nos	Providing Water proof straight Joint in PVC insulated flat flexible copper cable by using insulating material, water proofing material, & making the joint complete. (A) Up to 10Sq. mm	189.88	Rupees One Hundred Eighty Nine And Paise Eighty Eight Only	Each	379.76

	2	nos	(B) 16 to 35 Sq. Mm	278.76	Rupees Two Hundred Seventy Eight And Paise Seventy Six Only	Each	557.52
Total Rs.							3,768,427.61
RUPEES IN WORDS :			Rupees Thirty Seven Lakh(s) Sixty Eight Thousand Four Hundred Twenty Seven And Paise Sixty One 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. 3,768,427.61
Deduct _____ % below _____

Net Rs. _____

In word Rs. _____

Put to Tender Rs. 3768427.61
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 exsquisite 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
- 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 Dismantaling the existing material taken by contractor as mention rates.

Signature of Contractor

Deputy executive Engineer
C.P Electrical R & B Sub Dn 21
Gandhinagar.

Less for the D.M

Name of work:-Renovation to Compound Light, Borewell & E.I in Govt. Polytechnic at Sector-26, Gandhinagar

Sr.no	Item	Qty.	Per	DM rate	Total	Rate Quoted By Agency
1	Cost Of Old & u/s Light Pts.	45	Pts.	12.48	561.60	
2	Cost Of Old & u/s Fan Pts.	20	Pts.	18.28	365.60	
3	Cost Of Old & u/s Looped Plug	16	Pts.	8.76	140.16	
4	Cost Of Old & u/s 6A Switch	26	Nos.	5.60	145.60	
5	Cost Of Old & u/s 6A Plug	26	Nos.	5.60	145.60	
6	Cost Of Old & u/s Blank Plate	11	Nos.	1.00	11.00	
7	Cost Of Old & u/s 16A Switch	21	Nos.	6.76	141.96	
8	Cost Of Old & u/s 16A Plug	21	Nos.	7.52	157.92	
9	Cost Of Old & u/s 1.5 Mains	100	Mtr.	3.78	378.00	
10	Cost Of Old & u/s 2.5 Mains	90	Mtr.	5.22	469.80	
11	Cost Of Old & u/s 4 Mains	80	Mtr.	7.20	576.00	
12	Cost Of Old & u/s T-5 Tube light	40	Nos.	18.68	747.20	
13	Cost Of Old & u/s Downlight 16-20W	15	Nos.	22.00	330.00	
14	Cost Of Old & u/s 36W Panel Light	40	Nos.	69.72	2788.80	
15	Cost Of Old & u/s St. Light Fitting	52	Nos.	96.84	5035.68	
16	Cost Of Old & u/s MCB SP	60	Nos.	4.90	294.00	
17	Cost Of Old & u/s 40A DP MCB	2	Nos.	18.50	37.00	
18	Cost Of Old & u/s 63A FP MCB	2	Nos.	35.20	70.40	
19	Cost Of Old & u/s Enclosure DP	2	Nos.	8.10	16.20	
20	Cost Of Old & u/s 8 way DB Single phase	2	Nos.	54.25	108.50	
21	Cost Of Old & u/s 4 way DB Three phase	2	Nos.	112.50	225.00	
22	Cost Of Old & u/s 40A DP ELCB	8	Nos.	108.50	868.00	
23	Cost Of Old & u/s 40A FP ELCB	2	Nos.	127.55	255.10	
24	Cost Of Old & u/s 3.5x35 sq.mm Al. Cable	60	Mtr.	12.87	772.20	
25	Cost Of Old & u/s 3.5x120 sq.mm Al. Cable	100	Mtr.	32.96	3296.00	
26	Cost Of Old & u/s 4x4 sq.mm Al. Cable	600	Mtr.	6.63	3978.00	
27	Cost Of Old & u/s Gland & Lugs	1	Lot.	M.R.	200.00	
28	Cost Of Old & u/s 1200mm Ceiling fan	10	Nos.	169.02	1690.20	
29	Cost Of Old & u/s 200mm Ex. Fan	5	Nos.	147.24	736.20	
30	Cost Of Old & u/s Pole	5	Nos.	275.21	1376.05	
31	Cost Of Old & u/s SMC Box	20	Nos.	54.54	1090.80	
32	Cost Of Old & u/s Single Arm Bracket	30	Nos.	36.73	1101.90	
33	Cost Of Old & u/s Double Arm Bracket	11	Nos.	50.05	550.55	

Sr.no	Item	Qty.	Per	DM rate	Total	Rate Quoted By Agency
34	Cost Of Old & u/s Timer	1	Nos.	146.00	146.00	
35	Cost Of Old & u/s Contactor	3	Nos.	109.16	327.48	
				Rs.	29134.50	

Sign of Contractor

Dy.Executive Engineer
Cap.Proj. Elect.sub.Div-21
Gandhinagar

Exe.Engineer
C.P.Electrical Division
Gandhinagar