

FINANCIAL BID SUMMARY		
Name Of Work : Operation & Comprehensive Maintenance For (2) Two Year With SITC Of Electrical Items (As & When Required) At Shardaben General Hospital,saraspur,Ahemdabad.		
Sr. No.	Description	Amount in Rs.
1	PART- A- COMPREHENSIVE MAINTAINANCE CHARGES	₹ 32,61,722.09
2	PART- B- MANPOWER FOR OPERATION FOR TWO (02) YEARS	₹ 44,66,074.79
3	PART-C- SITC ELECTRICAL WORK (As & when Required)	₹ 28,81,378.00
Total Basic Amount of (Part A+Part B+ Part C) in Rs.(Without GST)		₹ 1,06,09,174.88
I am/we are willing to carry out work _____% above/Below (Should be written in figure and Words ) the estimated cost mentioned in above. The amount of my/our tender works out as under		
Signature of the Tenderer Name Company's seal Date		Addl. Chief Engineer (Electrical) AMC

**Name Of Work : Operation & Comprehensive Maintenance For (2) Two Year With SITC Of Electrical Items (As & When Required) At Shardaben General Hospital,saraspur,Ahemdabad.**

**PART- A - COMPREHENSIVE MAINTAINANCE CHARGES FOR TWO(02) YEARS**

[illegible]

**Name Of Work : Operation & Comprehensive Maintenance For (2) Two Year With SITC Of Electrical Items (As & When Required) At Shardaben General Hospital,saraspur,Ahemdabad.**

### **PART- B - MANPOWER FOR OPERATION FOR TWO (02) YEARS**

[illegible]

**Name Of Work : Operation & Comprehensive Maintenance For (2) Two Year With SITC Of Electrical Items (As & When Required) At Shardaben General Hospital,saraspur,Ahemdabad.**

**PART-C SITC ELECTRICAL WORK( As & When required)**

S.N.	ITEM DESCRIPTION	UNIT	QTY	BASIC RATE TOTAL IN RS.	TOTAL AMOUNT IN RS.
	<b>Internal wrining</b>				
1	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				
	(c) 3 wire 1.5 sq. mm	Mtr.	100	82	8200
	(d) 3 wire 2.5 sq. mm	Mtr.	150	101	15150
	(e) 4 wire 1.5 sq. mm	Mtr.	100	90	9000
	(f) 4 wire 2.5 sq. mm	Mtr.	50	125	6250
2	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				
	(g) 4 wire 4 sq. mm	Mtr.	250	179	44750
	(h) 4 wire 6 sq. mm	Mtr.	100	258	25800
	(i) 4 wire 10 sq. mm (use earth wire of 4 sq.mm )	Mtr.	200	421	84200
3	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.				
	(b) One wire 1.50 sq. mm	Mtr.	750	₹18.00	₹13,500.00
	(c) One wire 2.50 sq. mm	Mtr.	750	₹29.00	₹21,750.00
4	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.				
	with medium class Rigid PVC pipe and accessories Cat. III	Pt.	250	445	111250
	in existing pipe Cat. III	Pt.	200	372	74400
5	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 multistrand copper wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic 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 with 2-1.5 sq.mm Cu. Wire (a) with medium class Rigid PVC pipe and accessories Cat. III	Pt.	100	471	47100
	For 6A Plug in existing pipe Cat. III	Pt.	75	385	28875
	[II] For 16A Plug with 2-2.5 sq.mm Cu. Wire (a) with medium class Rigid PVC pipe and accessories Cat. III	Pt.	75	704	52800
	For 16A Plug in existing pipe Cat. III	Pt.	50	526	26300
6	Point wiring for Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic box, single mounting base frame covered with textured / metallic front plate modules erected on / in wall / ceiling with following type accessories				
	Cat. III	Pt.	50	255	12750

**Name Of Work : Operation & Comprehensive Maintenance For (2) Two Year With SITC Of Electrical Items (As & When Required) At Shardaben General Hospital,saraspur,Ahemdabad.**

**PART-C SITC ELECTRICAL WORK( As & When required)**

S.N.	ITEM DESCRIPTION	UNIT	QTY	BASIC RATE TOTAL IN RS.	TOTAL AMOUNT IN RS.
7	Point wiring for Two Way Controlled Light Point with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (green) both are of .ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling ,complete with 6A Modular type switches and following type of accessories erected on PVC / Metallic box, single mounting base frame covered with textured / metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary batten/angle holder or ceiling rose or H.D.Connector as directed.				
	(a) with medium class Rigid PVC pipe and accessories Cat. III	Pt.	20	562	11240
	(e) in existing pipe	Pt.	10	475	4750
8	Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate , modules erected with necessary connection. As desired by Engineer In charge				
	(1)One No. SP 6 Amp. Cat.III	Ea.	50	150	7500
	(2) One No 5 pin plug Cat.III	Ea.	50	150	7500
	(4) TV Co-axial Socket outlet Cat.III	Ea.	15	159	2385
	(8) Modem Jack for Computer Open RJ-45 Cat.III	Ea.	35	159	5565
	(9) 16 Amp. SP one way switch Cat.III	Ea.	15	179	2685
	(12) 6Amp. / 16 Amp. Two Way switch Cat.III	Ea.	25	169	4225
	(13) 6A/10A/16A/20A/25A/32A Single pole Modular MCB Switch Cat.III	Ea.	35	307	10745
	(15) 32 Amps. DP switch with Indicator Cat.III	Ea.	25	278	6950
	(16) 32 Amp. DP Main Switch Operating with Energy Key Tag Cat.III	Ea.	15	357	5355
	(5) Electronic hum Free four or more steps EME Fan regulator Cat.III	Ea.	25	395	9875
	(11) 6 Amps. Bell Push Cat.III	Ea.	25	150	3750
	(20) Modular Buzzer Cat.III	Ea.	5	148	740
9	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.				
	(a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete. <b>Cat. III</b>	Ea.	50	592	29600
	(e) in existing pipe erected flushed on wall/ceiling complete <b>Cat. III</b>	Ea.	50	484	24200
10	Providing and erecting ISI mark <b>Medium class Rigid PVC PIPES</b> 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				
	20 mm	Mtr	1200	24	28800
	25 mm	Mtr	1200	33	39600
	32 mm	Mtr.	100	54	5400

**Name Of Work : Operation & Comprehensive Maintenance For (2) Two Year With SITC Of Electrical Items (As & When Required) At Shardaben General Hospital,saraspur,Ahemdabad.**

**PART-C SITC ELECTRICAL WORK( As & When required)**

S.N.	ITEM DESCRIPTION	UNIT	QTY	BASIC RATE TOTAL IN RS.	TOTAL AMOUNT IN RS.
11	Providing & erecting PVC Corrugated <b>Flexible Conduit</b> with required nos. of coupling, PVC bushes, Check-nuts etc. complete of following sizes.				
	(1) 20 mm	Mtr	250	17	4250
	(2) 25 mm	Mtr	250	21	5250
	(3) 32 mm	Mtr.	50	27	1350
	(4) 40 mm	Mtr.	35	37	1295
12	Supplying and laying <b>UPVC cable trunking system</b> 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	Mtr.	270	403	108810
13	Supplying & erecting M.S. Box having 16 Gauge painted with red oxide or Heavy duty PVC box erected flushed on wall or concealed in wall with necessary plastering & finishing as directed of following size				
	100 mm x 100 mm x 75 mm(d)	Ea.	3	47	141
	175 mm x 100 mm x 75 mm(d)	Ea.	5	76	380
	200 mm x 250 mm x 75 mm(d)	Ea.	5	88	440
	250 mm x 300 mm x 75 mm(d)	Ea.	3	111	333
	<b>FAN</b>				
14	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 cms. down rod erected with 24/ 0.2, 3 core flexible wire with earthing.(Make shall be approved by Engineer in charge)	Ea.	35	1929	67515
15	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with necessary 24/ O.20, 3 core flexible wire with earthing.	Mtr.	35	107	3745
16	Supplying & erecting Fan Hook of 10 mm M.S. Round bar grouted in RCC slab with Making the site as original.	Ea.	35	43	1505
17	Providing Fan clamp of 30 x 5 mm flat of required length & 10 mm M.S. Bolt & Nuts erected with necessary hook of 10 mm M.S. Round Bar.	Ea.	35	98	3430
18	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	Ea.	35	18	630
19	Supplying <b>Table fan</b> approved make A.C. 230V, 50 c/s. 40 cms. sweep oscillating complete with 3 mtrs. of 3core round flexible wire and 3 pin plug top. [ Make shall be approved by Engineer in Charge]	Ea.	5	1823	9115
20	Supplying and erecting approved make <b>Bracket fan</b> of 230 volt, A.C. 50 Cy/s., 400/450 mm sweep complete erected on wall or with lead Cores and connections complete. Cat.II	Ea.	10	2085	20850
21	Supplying and erecting approved make double ball bearing oscillating type Heavy duty bracket fan with Aluminium Blades A.C. 230V. 50cy/s wall mounted with height adjustment and rotary tilting device complete with guard, wall bracket,mounting accessories as directed.				
	(A) 450mm	Ea.	5	4900	24500
	(B) 600mm	Ea.	5	6375	31875
22	Supplying & erecting approved make <b>low noise decorative exhaust fan</b> having square frame ABS body with inbuilt lowers & square frame.				
	200mm with 1350RPM Cat.II	Ea.	5	1687	8435
	250mm with 1350 RPM Cat.II	Ea.	5	1353	6765
23	Supplying and erecting <b>approved make pedestal fan A.C. 230V.</b> 50 Cy/s. 400 mm sweep oscillating, type and adjustable, height complete with guard regulator, & standard lead flexible wires and plug top. Cat.II	Ea.	15	2118	31770
24	Supplying and erecting <b>approved make Pedestal Circulatory fan</b> A.C. 230 V. 50 Cy/s. 600 mm sweep and adjustable height complete with guard, & standard lead flexible wires and plug top. Cat.II	EA	15	3983	59745
	<b>DB MCB</b>				

**Name Of Work : Operation & Comprehensive Maintenance For (2) Two Year With SITC Of Electrical Items (As & When Required) At Shardaben General Hospital,saraspur,Ahemdabad.**

**PART-C SITC ELECTRICAL WORK( As & When required)**

S.N.	ITEM DESCRIPTION	UNIT	QTY	BASIC RATE TOTAL IN RS.	TOTAL AMOUNT IN RS.
	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, confirming to IS 13032 and BS 5486-1986 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used)				
25	(A) Single Phase sheet steel double door (IP-43)				
	(i) 4 way	Ea.	5	622	3110
	(C) 6 way	Ea.	5	577	2885
	(F) 8 way	Ea.	5	1141	5705
	(b) Three Phase sheet steel double door (IP-43)				
	(i) 6 way	Ea.	5	2884	14420
	(ii) 8 way	Ea.	5	3378	16890
	(iii) 12 way	Ea.	5	3835	19175
26	Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 6 KA and suitable for operation on single phase 240 V. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed				
	(i) 25 Amps.DP				
	Cat. III	Ea.	5	1950	9750
	(ii) 40Amps. DP				
	Cat. III	Ea.	5	2213	11065
	(iii) 63 Amps. DP				
	Cat. III	Ea.	5	2628	13140
27	Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 6 KA and suitable for operation on 3 phase and neutral 415V. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component for following Max. rating erected as directed.				
	(i) 25 Amps.FP				
	Cat. III	Ea.	5	2544	12720
	(ii) 40Amps. FP				
	Cat. III	Ea.	5	2611	13055
	(iii) 63 Amps. FP				
	Cat. III	Ea.	5	3010	15050
	(iv) 100 Amps. FP (100 mA Sensitivity)				
	Cat. III	Ea.	5	4272	21360
28	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	Ea.	10	110	1100
29	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				
	(A) 6 to 32 Amp.				
	Cat.III	Ea.	10	297	2970
	(B) 40 Amp.				
	Cat.III	Ea.	5	327	1635
30	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	Ea.	10	276	2760
	(B) 40 Amp.				
	Cat.III	Ea.	5	293	1465
31	Providing & erecting 415V MCB Four Pole Switch for Lighting Load (B curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity				
	(a) 6 to 32 Amp.				
	Cat.III	Ea.	5	573	2865

**Name Of Work : Operation & Comprehensive Maintenance For (2) Two Year With SITC Of Electrical Items (As & When Required) At Shardaben General Hospital,saraspur,Ahemdabad.**

**PART-C SITC ELECTRICAL WORK( As & When required)**

S.N.	ITEM DESCRIPTION	UNIT	QTY	BASIC RATE TOTAL IN RS.	TOTAL AMOUNT IN RS.
	(b)40 Amp. Cat.III	Ea.	5	632	3160
	<b>MCB Enclosure</b>				
32	Plastic enclosure fitted with DIN rail suitable for incorporating One / Two nos. MCB	Ea.	5	51	255
33	Plastic enclosure fitted with DIN rail suitable for incorporating Three /Four nos. MCB	Ea.	5	106	530
34	Sheets steel powder coated enclosure suitable for incorporating One/Two nos. MCB.	Ea.	5	174	870
35	Providing and erecting Sheet Steel powder coated Vertical MCB distribution board (VTPN) - flush / surface mounted double door (IP54) fitted with copper insulated busbar, isolated neutral bar, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3, suitable for 63/100 AMP TPN MCCB + RCCB as incomer and three phase outgoing as per following .(The DBs should be used of same company of MCB to be used)				
	(A)4 way outgoing	Ea.	2	5758	11516
	(B)6 way outgoing	Ea.	2	6432	12864
	(C)8 way outgoing	Ea.	1	8318	8318
	(D)12 way outgoing	Ea.	1	10856	10856
	<b>CABLES,LUGS &amp; GLAND</b>				
36	Supplying & erecting XLPE(IS:7098)(I)-88 ISI unarmoured copper cable 1.1 KV grade to be erected as directed of following size.				
	(K) 4 core 4 Sq. mm	Mtr.	50	238	11900
	(L) 4 core 6 Sq. mm	Mtr.	50	361	18050
	(M) 4 core 10 Sq. mm	Mtr.	25	568	14200
	(N) 4 core 16 Sq. mm	Mtr.	10	721	7210
	(E) 3 core 2.5 Sq. mm	Mtr.	25	136	3400
37	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.				
	(C) 3 1/2 core 50 Sq. mm ( 25 Sq.1/2 mm core)	Mtr.	50	282	14100
	(D) 3 1/2 core 70 Sq. mm ( 35 Sq. mm 1/2 core)	Mtr.	25	375	9375
	(E) 3 1/2 core 95 Sq. mm ( 50 Sq. mm 1/2 core)	Mtr.	45	486	21870
	(F) 3 1/2 core 120 Sq. mm ( 70 Sq. mm 1/2 core)	Mtr.	50	535	26750
	(G) 3 1/2 core 150 Sq. mm ( 70 Sq. mm 1/2 core)	Mtr.	25	724	18100
38	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand 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) 3 1/2 core 25 Sq. mm ( 10 Sq. mm 1/2 core)	Mtr.	25	1336	33400
	(B) 3 1/2 core 35 Sq. mm ( 16 Sq. mm 1/2 core)	Mtr.	25	1849	46225
	(C) 3 1/2 core 50 Sq. mm ( 25 Sq. mm 1/2 core)	Mtr.	30	2414	72420
	(D) 3 1/2 core 70 Sq. mm ( 35 Sq. mm 1/2 core)	Mtr.	10	3541	35410
	(E) 3 1/2 core 95 Sq. mm ( 50 Sq. mm 1/2 core)	Mtr.	10	4516	45160
	(F) 3 1/2 core 120 Sq. mm ( 70 Sq. mm 1/2 core)	Mtr.	25	6363	159075
39	Supplying & erecting XLPE(IS:7098) (I)-88 ISI unarmoured Aluminium cable 1.1 KV.grade to be erected as directed of following size.				
	(A)4 core 2.5 Sq. mm	Mtr.	50	50	2500
	(B)4 core 4 Sq. mm	Mtr.	50	74	3700
	(C)4 core 6 Sq. mm	Mtr.	50	89	4450
	(D)4 core 10 Sq. mm	Mtr.	50	108	5400
40	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.				
	(c) 4 core 10 Sq. mm	Mtr.	250	139	34750
	(d) 4 core 16 Sq. mm	Mtr.	250	152	38000
	(B) 4 core 25 Sq. mm	Mtr.	150	189	28350
	(f) 4 core 35 Sq. mm	Mtr.	180	253	45540
	Providing and, fixing <b>heavy duty flange type brass cable gland</b> with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables.				

**Name Of Work : Operation & Comprehensive Maintenance For (2) Two Year With SITC Of Electrical Items (As & When Required) At Shardaben General Hospital,saraspur,Ahemdabad.**

**PART-C SITC ELECTRICAL WORK( As & When required)**

S.N.	ITEM DESCRIPTION	UNIT	QTY	BASIC RATE TOTAL IN RS.	TOTAL AMOUNT IN RS.
41	(C) 3 & 1/2 core 70 Sq. mm	Ea.	20	102	2040
	(D) 3 & 1/2 core 95 Sq. mm	Ea.	30	130	3900
	(E) 3 & 1/2 core 120 Sq. mm	Ea.	30	139	4170
	(F) 3 & 1/2 core 150 Sq. mm	Ea.	30	189	5670
	(A) 2 to 4 core 2.5 / 4 Sq. mm	Ea.	30	31	930
	(B) 2 to 4 core 6 Sq. mm	Ea.	50	36	1800
	(C) 2 to 4 core 10 Sq. mm	Ea.	50	36	1800
	(e) 2 to 4 core 16 Sq. mm	Ea.	30	46	1380
	(f) 2 to 4 core 25 Sq. mm	Ea.	30	50	1500
42	Solderless crimping type <b>Aluminium lugs</b> 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.				
	(A) 1.5/2.5/4/6 Sq.mm	Ea.	15	5	75
	(B) 10 Sq.mm	Ea.	15	12	180
	(C) 16/25 Sq.mm.	Ea.	15	15	225
	(D) 35/50 Sq.mm.	Ea.	15	20	300
	(E) 70 Sq.mm.	Ea.	15	24	360
	(F) 95 Sq.mm.	Ea.	15	39	585
	(G) 120 Sq.mm.	Ea.	15	44	660
	(G) 150 Sq.mm.	Ea.	15	59	885
43	Solder less crimping type Copper 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.				
	(A) 1.5/2.5 to 6 Sq.mm	Ea.	10	8	80
	(B) 10 Sq.mm	Ea.	10	10	100
	<b>PIPE AND EXCAVATION</b>				
44	Making trench in soft soil of suitable width of 90 cms deep for laying cable or locating the fault all over the run and backfilling the same and making the surface as normal ground.	Mtr.	20	46	920
45	Making trench in Hard Murrum / Tar Road of suitable width of 90 cms 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.	Mtr.	10	61	610
	(B) If additional machineries like hammer driller or JCB use [Add]	Mtr.	20	295	5900
46	Drilling the road without breaking the <b>road surface (Asphalt)</b> 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	Mtr.	20	407	8140
	(B) Up to 150 mm bore dia	Mtr.	20	508	10160
47	Providing & laying approved make <b>Double walled corrugated pipes (DWC) of polyethylene</b> (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	Mtr.	50	62	3100
	(B)63 mm outer dia	Mtr.	50	73	3650
	<b>EARTHING</b>				
48	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.(approved make OEM has to submit test certificate including value of earth resistane of installation.				

**Name Of Work : Operation & Comprehensive Maintenance For (2) Two Year With SITC Of Electrical Items (As & When Required) At Shardaben General Hospital,saraspur,Ahemdabad.**

**PART-C SITC ELECTRICAL WORK( As & When required)**

S.N.	ITEM DESCRIPTION	UNIT	QTY	BASIC RATE TOTAL IN RS.	TOTAL AMOUNT IN RS.
	(a) For Electrical Installation up to 440V in normal soil Length of pipe - 1 Mtr Back filling compound - 1 Nos Bag of 15 Kg.	Ea.	5	5785	28925
	[C] For Electrical Installation covering Transformer Neutrals, Lightning arrester Earthing, A.C.Plant & Sensitive Computer System(like Automation, SCADA)i.e. independent Earthing located in other than normal soil i.e. Soft Rock, Marshy Soil etc.. -Length of Pipe : 3 Mtrs. -Back filling Compound :2 nos Bags of 25 Kg.	Ea.	10	10489	104890
49	SITC of 14.2 mm dia 3 mtr long Earth electrode of High tensile steel electrode with 250 micron copper bonding & 1 bag of Carbon fill Based environment friendly backfill tested as per IEC 62561-7 in NABL accredited Laboratory and suitable stainless Steel double sided clamp. Eco Friendly rust proof heavy duty weather proof Polyethylene Earth Pit Chamber with following dimensions :254 mm dia (top), 330 mm dia (bottom) & 260 mm (height).	Per set	10	5932	59320
	<b>LIGHT FIXTURE</b>				
50	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>(A) Street Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over- voltage protection.</b>				
	(iii) Above 60 to 90 watts ( Cat-III)	Ea.	25	5917	147925
	<b>(B) Flood Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over- voltage protection.</b>				
	(iii) Above 60 to 90 watts ( Cat-III)	Ea.	20	6028	120560
51	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.)				
	<b>(A) Tube Light with integral driver</b>				
	(v) 36-40 Watts, Surge-2 KV, IP-20, conventional 4 feet				
	Cat-III	Ea.	250	528	132000

**Name Of Work : Operation & Comprehensive Maintenance For (2) Two Year With SITC Of Electrical Items (As & When Required) At Shardaben General Hospital,saraspur,Ahemdabad.**

**PART-C SITC ELECTRICAL WORK( As & When required)**

S.N.	ITEM DESCRIPTION	UNIT	QTY	BASIC RATE TOTAL IN RS.	TOTAL AMOUNT IN RS.
52	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	Ea.	25	583	14575
	(iv) 22-24 watts, Surge-2 KV	Ea.	25	751	18775
	<b>SAFTEY ITEMS</b>				
53	Supplying rubber matting of 12 mm thickness as per IS 5424 and of required length and breadth with good insulation property for 22 KV	Sq.Mtr	50	297	14850
54	Supplying stand first AID box with antiseptic cream, medicine for use on wounds due burn, crepe bandage, gauge bandage, medicated ready to use bandage (Band-aid) adhesive tape for medicinal user, Scissors, anti-septic solution (Savlon or similar) etc. (All above contents shall be of standard makes)	Ea.	5	212	1060
	<b>MCCB</b>				
55	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 50 KA and above at 415 V having Normal current rating 400A. 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	Ea	1	₹24,979.00	₹24,979.00
56	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	Ea	2	₹16,061.00	₹32,122.00
57	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	Ea	2	₹6,112.00	₹12,224.00
	<b>Fabrication</b>				
58	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.	Kg.	80	₹77.00	₹6,160.00
<b>Total Basic Amount of PART-C in Rs.(Without GST)</b>					<b>2881378.00</b>