

NAME OF WORK : Addition and Alteration Cable Work for Truma Center Building ,Driver Room Electrical Panel and F.M.3*6 Electrical Room in Old G.G.Hospital at Jamnagar.							
SCHEDULE - B							

ITEM NO		Qty.	Description	Unit	Estimated Rates		AMOUNT
					In Figure Rs. Ps.	In Words	
1		3	4	5	6	7	8
1		500.00	Providing and erecting FRLS-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 (H) 3 1/2 core 185 Sq. mm (95 Sq. mm 1/2 core)	Mtr	1085.75	Rupees One Thousand Eighty Five and Paisa Seventy Five Only	542875.00
2		1150.00	Providing and erecting FRLS-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 (I) 3 1/2 core 240 Sq. mm(120 Sq. mm 1/2 core)	Mtr	1401.88	Rupees One Thousand Four Hundred One and Paisa Eighty Eight Only	1612162.00
3		4.00	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. (G) 3 & 1/2 core 185 Sq. mm	Ea	238.36	Rupees Two Hundred Thirty Eight and Paisa Thirty Six Only	953.44
4		8.00	(H) 3 & 1/2 core 240 Sq. mm	Ea	247.45	Rupees Two Hundred Forty Seven and Paisa Fourty Five	1979.60
5		4.00	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. (F) 95 Sq.mm.	Ea	40.40	Rupees Fourty and Paisa Fourty Only	161.60
6		8.00	(G) 120 Sq.mm.	Ea	45.45	Rupees Fourty Five and Paisa Fourty Five Only	363.60
7		12.00	(I) 185 Sq.mm.	Ea	80.80	Rupees Eighty and Paisa Eighty Only	969.60
8		24.00	(J) 240 Sq.mm.	Ea	85.85	Rupees Eighty Five and Paisa Eighty Five Only	2060.40
9		350.00	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.	Mtr	55.55	Rupees Fifty Five and Paisa Fifty Five Only	19442.50
10		220.00	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.	Mtr	74.74	Rupees Seventy Four and Paisa Seventy Four Only	16442.80

ITEM NO		Qty.	Description	Unit	Estimated Rates		AMOUNT
					In Figure Rs. Ps.	In Words	
11		1.00	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 lock 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.	Ea	16691.26	Rupees Sixteen Thousand Six Hundred Ninety One and Paisa Twenty Six Only	16691.26
12		1.00	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 Hz. With all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	Ea	27751.77	Rupees Twenty Seven Thousand Seven Hundred Fifty One and Paisa Seventy Seven Only	27751.77
13		3.00	Providing and erecting Approved make Three pole moulded case circuit breaker having breaking capacity/strength ICU of 50 K.A. and above at 415V. having normal current rating 250A. with variable thermal & magnetic release suitable to work on A.C.supply 50 Hz. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	Ea	24514.72	Rupees Twenty Four Thousand Five Hundred Fourteen and Paisa Seventy Two Only	73544.16
14		1.00	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 Hz. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S.housing ICS=100% of ICU only Cat III	Ea	17843.67	Rupees Seventeen Thousand Eight Hundred Fourty Three and Paisa Sixty Seven Only	17843.67
15		1.00	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 Hz. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	Ea	8861.74	Rupees Eight Thousand Eight Hundred Sixty One and Paisa Seventy Four Only	8861.74

ITEM NO		Qty.	Description	Unit	Estimated Rates		AMOUNT
					In Figure Rs. Ps.	In Words	
16		1.85	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.(D) Suitable for 400 Amp. capacity	Rn.mtr	7319.47	Rupees Seven Thousand Three Hundred Nineteen and Paisa Fourty Seven Only	13512.09
17		3.00	Supplying & erecting in earthpit of minimum bore dia. 225mm size approved make Safe Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 80 mm having 80-200 Micron galvanising, Inner pipe dia of 40 mm having 200-250 Micron galvanising, connection terminal dia of 14 mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover (A)(approved make OEM has to submit test certificate including value of earth resistance of installation duly stamped and signed by agency and officer Incharge has to ensure the value of earthing resistance mentioned in test Certificate) & having back filling compound of (B) Inner chemical (CCM Compound)- Resistivity:- 0.2 ohm / meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphur content:- <2%(C) Back fill Compound :- Earthing compound should be capable to retain moisture for long time Necessary test report must be submitted by Agency. [A] For electrical installation up to 440 V Length of Pipe - 1 Mtr Back filling compound - 1 Nos. of Bag of 15 Kgs.	Ea	5842.85	Rupees Five Thousand Eight Hundred Fourty Two and Paisa Eighty Five Only	17528.55
18		4.00	[B] For Electrical installation up to 11 kV located in other than normal soil i.e. Soft Rock, Marshy Soil etc. -Length of Pipe : 2 mtr -Back filling Compound :1 no. Bag of 25 Kg.	Ea	7095.25	Rupees Seven Thousand Ninety Five and Paisa Twenty Five Only	28381.00
19		3.00	[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	Ea	10593.89	Rupees Ten Thousand Five Hundred Ninety Three and Paisa Eighty Nine Only	31781.67
20		80.00	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. (g) One wire 16.00 sq. mm	Mtr	177.76	Rupees One Hundred Seventy Seven and Paisa Seventy Six Only	14220.80

ITEM NO		Qty.	Description	Unit	Estimated Rates		AMOUNT
					In Figure Rs. Ps.	In Words	
21		120.00	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	77.77	Rupees Seventy Seven and Paisa Seventy Seven Only	9332.40
22		350.00	Providing & laying. R.C.C. Hume pipe for cable to be laid 90 cm. below ground across the road crossing or on floor with necessary material in an approved manner and making the ground as per original. (E)150 mm dia	Mtr	263.61	Rupees Two Hundred Sixty Three and Paisa Sixty One Only	92263.50
23		1.00	Providing and erecting busbar chamber conforming to IS-375 fabricated from 16 G.M.S. sheet, dust & vermin proof having hinged door with rubber gasket and necessary busbar supports with Aluminium busbar having current density not more than 0.8 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulation tape for phase sequence, three phase & neutral each Suitable for following current capacity with necessary painting mounted on wall or pedestal frame of required size with necessary connections. (C) Suitable for 300 Amp. capacity	Ea	5140.90	Rupees Five Thousand One Hundred Fourty and Paisa Ninety Only	5140.90
24		1.00	Removing & Dumping Existing XLPE Aluminium armoured cable 95 Sq.mm To 240 Sq.mm Electrical Substation at G.G.H directed by Incharge Engineer	Job	42000.00	Rupees Fourty Thousand Only	42000.00
Total Amount in Rs.							2596264.05

I / We am /are willing to carryout the all or any items of this A.R.C. at _____% below /above + / - _____% (should be written in figure and words).

Note- All work shall be carried out as per specification attached and relevant I.S. standards or as directed.

Note- All the columns in schedule should be filled in by ball pan or ink and the total of the entries in the last column should be stated by the contractor under his

Note- Rates quoted include clearance of site (Prior to commencement of work and at its closure) in all respects and held good for the work under all conditions, site, 3 moisture, weather etc.

Note- To be continued on additional sheets, if found necessary.

Signature of Contractor with seal

Signature of the Contracting Authority with seal :

Asst. Engineer (Ele.)
P.I.U. Jamnagar

Dy. Executive Engineer (Ele.)
P.I.U. Jamnagar

Executive Engineer (Ele.)
P.I.U. Zone I Rajkot