

Schedule B

Name of work : Renovation to Street Light at Railway over bridge at Railway fatak no. 133 at Maroli, Dist. Navsari.

Sr. No.	Qnty.	Item Description	Per	Rate in Figure	Rs in Words	Amount
1	1503	Replacing old & u/s by 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.	Mtr.	46.46	Rupees Forty Six And Paise Forty Six Only	69,829.38
2	173	Replacing old & 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. (iv) above 90 to 120 watts Cat.III (Replacing- 157, Providing-16)	Ea.	6,566.01	Rupees Six Thousand Five Hundred Sixty Six And Paise One Only	11,35,919.73
3	38	(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 (Replacing- 22, Providing-16)	Ea.	7,266.95	Rupees Seven Thousand Two	2,76,144.10
4	6	(B) Flood Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection. (vi) above 160 to 200 watts Cat.III (Providing)	Ea.	9,647.52	Rupees Nine Thousand Six Hundred Forty Seven And Paise Fifty Two Only	57,885.12
5	2	Replacing old & u/s by 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.	6,173.12	Rupees Six Thousand One Hundred Seventy Three And Paise Twelve Only	12,346.24
6	60	Replacing old & u/s by 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	Ea.	270.68	Rupees Two Hundred Seventy And Paise Sixty Eight Only	16,240.80
7	12	Providing and erecting Annealed bare Copper wire 8 to 16 SWG.	Kg.	794.87	Rupees Seven Hundred Ninety Four And Paise Eighty Seven Only	9,538.44
8	4	Replacing old & u/s 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.	Ea.	368.65	Rupees Three Hundred Sixty Eight And Paise Sixty Five Only	1,474.60

Sr. No.	Qty.	Item Description	Per	Rate in Figure	Rs in Words	Amount
9	4	For using salt and charcoal / coke as required for pipe type earthing.	Ea.	171.70	Rupees One Hundred Seventy One And Paise Seventy Only	686.80
10	180	Replacing old & 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 (B) 4 core 6 Sq. mm.	Mtr.	126.25	Rupees One Hundred Twenty Six And Paise Twenty Five Only	22,725.00
11	80	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 Paise Fifty Five Only	4,444.00
12	160	Replacing old & u/s 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	Mtr.	62.62	Rupees Sixty Two And Paise Sixty Two Only	10,019.20
13	816	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. (A) 1.5/ 2.5/4/6 Sq.mm	Ea.	6.06	Rupees Six And Paise Six Only	4,944.96
14	102	Replacing old & u/s Providing and fixing Terminal board of size 5.0 x 127 x 152.4 mm.bakelite sheet with suitable brass studs with nuts, washers and clamps of size 25mm x 3mm suitable for pole painted with one coat of red lead paint.	Ea.	146.45	Rupees One Hundred Forty Six And Paise Forty Five Only	14,937.90
15	4	Replacing old & u/s by 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]	Ea.	515.10	Rupees Five Hundred Fifteen And Paise Ten Only	2,060.40
16	12	Replacing old & u/s by 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 / required size of pole top having sufficient fasteners for fixing the brackets and having spread of 1.5.mtr. length with 110 deg.with vertical plane & suitable welded stays, reducer and with check nuts 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 1.5 Mtr	Ea.	683.77	Rupees Six Hundred Eighty Three And Paise Seventy Seven Only	8,205.24
17	2	[C] Triple Arm Bracket 1.5 Mtr (Providing)	Ea.	1,331.18	Rupees One Thousand Three Hundred Thirty One And Paise Eighteen Only	2,662.36

Sr. No.	Qty.	Item Description	Per	Rate in Figure	Rs in Words	Amount
18	6	Replacing old & u/s by 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.	Ea.	3,168.37	Rupees Three Thousand One Hundred Sixty Eight And Paise Thirty Seven Only	19,010.22
19	6	Replacing old & u/s by Supplying & erecting power contactor ,AC3 duty for time switch complete erected as per direction Cat III (D) 4 pole 440V 40 Amp.	Ea.	2,782.55	Rupees Two Thousand Seven Hundred Eighty Two And Paise Fifty Five Only	16,695.30
20	1	Supplying, erecting, testing, commissioning approved make M.S. Polygonal High Mast Pole having following general Specification. (a) Polygonal Section fabricated from M.S. Plate confirms BSEN 10025 & Hot deep galvanized minimum 65/86 micron (as per IS 2629 /1985) Lantern carriage with ring and rubber lines for erection of luminaries of suitable site. (b) Maximum telescopic section not more than four (c) Double drum gear pipe motorized winch with 6mm dia S.S. Rod (For 16 mtr and above size) (d) Approved make L.E.D. aviation light = 1 No. Lightening arrestor = 1 No. with necessary wiring of 2.5 sq.mm 5 core ISI copper cable Unarmoured. (e) Bottom most section suitable for mounting reversible motor and switchgears having door not more than 1400mm x 300mm with waterproof gasket & hinges & locking arrangement. (f) Pole structure comprises suitable size of reversible motor, cable and necessary switchgears with control panel. (g) bottom section shall have suitable size of thickness supports ribs foundation bolts nuts etc. (h) Item not comprises the cost of lanterns. (i) Necessary Cement Concrete foundation as per IS including testing & commissioning of the entire structure for following size of High Mast poles. [1] High Mast 12 Mtr. TOP A/F 105 mm, BOTTOM A/F 360mm, No. of Sec. No. - 1, Bottom Thickness - 3 mm, Size of Base Plate - Dia 520 mm x 20 mm thick, Foundation Bolt Size M24 x 850 mm, Qty - 6 Nos., Suitable for mounting Fitting of Light - 6 Nos.	Ea.	1,41,616.14	Rupees One Lakh(s) Forty One Thousand Six Hundred Sixteen And Paise Fourteen Only	1,41,616.14
Total Rs.						18,27,385.93

I /We am / are willing to carry out the work at @ _____ % below _____ (& above/ below _____ %)(Should be written in figures and words) Below / Above the tender rates mentioned above amount of tender works out as under.

Estimated amount put to tender

Rs.
Add: % Above Rs.
Total Rs. _____
Net Rs.
In words Rs.

Rs.
Deduct: % below Rs.
Total Rs. _____
Net Rs.
In words Rs.

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- (C) I /We here by declare that I /We have visited the site and fully requisited my self / ourselves with the local situation regarding materials labour and other factors pertaining to work be fore submitting tender.
- (D) I /we here by declare that / We have carefully studied the conditions of contracts detailed technical specification and other tender documents of this work and agree to execute the same accordingly.

**Deputy Executive Engineer,
Electrical R & B sub-Division,
Navsari**

**Ex.Engineer
Elec. (R&B) Division
Valsad**

Note

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(1)The rates are inclusive of all taxes, transport charges, storage Charges except GST and applicable GST Will be paid.

(2) The materials covered for wiring should be got approved from the Deputy Ex.Engr.In charge of the work.

(3) The materials and work shall have to be used and carried out as specified in technical note.

(4) All works Shall be Carried Out as per Public works Department hand book & Other Specification of the Division.or

(5) Rate are Inclusive of 1% Labour cess in Tender amount so 1% of total amount of bill will be deducated from the bill

(6) The Agency will have to Submit Certificate On Letter pad that cable used in the been used from ISI Certified cable drum as peer Note of S.E.Electrical (R&B) Deptt.Gandhinagar's No.4211 Dtd.23.09.2008.

FOR DISMENTAL MATERIAL: 1) Dismantle Amount will Remain fix as per attached Document and will be Deduct from rate Quoted by Contractor.

FOR TESTING OF MATERIAL

(1) Meterial to be used in work should be got approved by in Charge E.E.

(2) Sample of Material to be Used in the Work is required to be tested at S.V.N.I.T Laboratory/or From the approved Govt. Research Institute,which is must Sample required to be submit as per requirement of S.V.N.T. Laboratory,in case of Cable & Wire 3 Meters of Sample & for Fluorescent Fitting 5 Nos of Ballst With 2 Nos fluorescent Lamp may be required for testing No Payment will be Made on Account of Sample Meterial,So it is requested to tenders/agency consider cost of Sample Material Consideration While Quoting the Tender.Actule Paid by agency for testing of Material Will be Paid by the Department.Agency is Requested to Contact S.V.N.T.Laoratory to Understand there requirement for testing of Material.

SIGNATURE OF CONTRACTOR