

Schedule-B					
Sr No	DESCRIPTION	QTY	UNIT	Rate/Unit	Total Amount
1	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.(G) 8 Mtr. Long 70 mm Top X 155 mm bottom dia, 3 mm thickness with 260mmX260mmX16mm base plate, 4-M20 Bolts and 600mm long with necessary G.I. J Bolts Approx Pole weight 84 kg	1,640.00	Ea	14,009.90	2,29,76,236.00
2	Providing and fixing of Solderless Crimping Type Aluminium Lugs (4 Nos. per termination) conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadium plated nut bolts in an approved manner. (B) 10 Sq. MM (As Per Make List)	1,640.00	Ea	11.99	19,663.60
3	Providing & erecting approved make of SP MCB 6A to 25A Miniature circuit breaker single pole 6A to 25A suitable to operate on 240V AC system and having breaking capacity 10 kA to be erected in existing box confirming to IS 8828/1998 with ISI/ CE Mark,Cat-III. (Make will be as per attched make list)	1,640.00	Ea	111.27	1,82,482.80
4	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.	1,640.00	Ea	368.05	6,03,602.00
5	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	1,640.00	Ea	683.04	11,20,185.60

Signature of Contractor

Executive Engineer (M&E)  
G.I.D.C., Vapi/Surat.

6	Supplying and erecting LED street light fittings with High power White LEDS wattage of 1 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 5000 K to 5700K, Uniformity ratio 0.45, Luminaire efficacy> 130 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-66), Surge protection -4KV integral and Light must have 440VAC line supply with over-voltage protection. (iv). Above 90 Watt. Make:- CREE/OSRAM/PHILIPS/Nessa/Lumileds/NICHIA/SE OUL/BridgeLux (U.S.A) make LED used for luminaire ( fittings required LM 79 & LM-80 certificates)	1,640.00	Ea	5,975.27	97,99,442.80
7	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.(h) 2.50 Sq.mm 3 core round PVC sheathed	13,121.50	Mtr	72.76	9,54,720.34
8	Providing and erecting XLPE (IS:7098)(1)-88 ISI armoured cable multistrand / Solid Aluminium conductor for 1.1 KV. to be laid on wall with (core) necessary clamps or in existing trench / pipe of following size of cables. © 4 core 10 Sq.mm. (Make: RR/KEI/Havells/Polycab)	57,400.00	Mtr	136.96	78,61,504.00
9	Providing & laying of approved make Doubled 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. (As Per Make List)	49,200.00	Mtr	61.63	30,32,196.00
10	Providing & laying of approved make Doubled 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. (C) 90 mm outer dia. (As Per Make List)	2,000.00	Mtr	95.01	1,90,020.00

Signature of Contractor

Executive Engineer (M&E)  
G.I.D.C., Vapi/Surat.

11	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.[A] For electrical installation up to 440 V Length of Pipe - 1 Mtr Back filling compound - 1 Nos. of Bag of 15 Kgs.	15.00	Ea	5,841.74	87,626.10
12	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.(B) Up to 150 mm bore dia	1,500.00	Mtr.	513.56	7,70,340.00
13	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.	49,200.00	Mtr.	46.23	22,74,516.00

14	<p>Providing and erecting Three Phase IoT GSM/GPRS Central Control &amp; Monitoring System (CCMS) Panel for Streetlights Smart Feeder Panel with 3 Phase GSM/GPRS CCMS Streetlight Controller with LCD Display (1 Nos.). Streetlight Controller with Individual each Phase Control (Energy Saving feature) and Spare relay facility. Streetlight Controller having 10 years of reserved battery for RTC. With 50 programmable schedule, month-wise offset settable facility, Astronomic sunrise/sunset time programming in-built for year long schedule. Operating Voltage @ 440 V AC with Over Voltage &amp; Short Circuit protection. 2 hour Battery Back-up for Streetlight Controller. Panel to have 1 Nos. of 3 Phase – Class 1 Energy Meter for Energy &amp; Fault monitoring on CCMS Web Dashboard. Panel consisting of 3 Nos. of 3 Pole Contactors (3 x 18 A), 7 Nos. of 1 Pole Miniature Circuit Breakers (32 Amp.) for Bypass, Input / Output supply functionalities, 1 Nos. of 4 Pole Earth leakage circuit breaker for safety protection. Standard lock &amp; key facility for Panel security. Door Switch for unauthorized access &amp; tamper detection. Accelerometer for panel movement detection &amp; tamper alerts. Suitable amount of Wires, Connectors, Terminal Blocks included in Panel. 16/18 gauge M S with industrial exterior powder coated PP with seven tank process RAL 7035 All weather-proof Enclosure Panel having IP65 rating. Waterproof Glands &amp; Grounding Stand included. Dedicated IoT communication GSM/GPRS SIM Card (with minimum 5 years of recharge) for Wireless Communication with CCMS Web Dashboard. 5 Years Data Hosting &amp; Server Charges to be included with CCMS Web Dashboard. Load status, Live analytics, Energy Meter monitoring (Parameters such as kW, kWh, PF, I, V), comparative analytics, reports generation facility. Fault detection on web dashboard. GIS Mapping of CCMS Panel on Web Dashboard. Secured MQTT Communication for Cloud. Includes Android &amp; iOS Mobile Application. Local communication facility via Mobile Application in case of GPRS connectivity failure.</p>	15.00	Ea	59,915.26	8,98,728.90
15	<p>Providing &amp; 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 &amp; magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections &amp; complete erected in existing 16 G.M.S. housing. (Cat - III) suitable to work on AC supply with all internal connection-ICS=100% of ICU only. (1 No. per Distribution Box) (Make will be as per attached make list)</p>	15.00	Ea	6,171.27	92,569.05

16	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables.(c) 2 to 4 core 10 Sq. mm (Make will be as per attached make list)	45.00	Ea	36.81	1,656.45
17	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.	49,200.00	Mtr.	61.63	30,32,196.00
18	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.	150.00	Kg.	77.04	11,556.00
19	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 accesories , 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.(C) The standard companies switch gear shall be used and only manufacturers as per IEC 61439 for beneficial use. (iv) with 1000 mm. depth	15.00	Sq. Mtr.	45,099.08	6,76,486.20

20	Providing and Supplying ISI mark G.I. Pipes with Couplings of following class and diameter including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance for departmental stores, stacking etc complete (IS-1239). Heavy Duty 80 mm	12.00	Rmt.	589.74	7,076.88
21	Agency has to do successful operation and maintenance of Street light network by using their manpower, material, tools & tackles etc. for 5 Years Operation & Maintenance. Payment will be released monthly based on certificate of successful operation and maintenance of installed street light network by DEE[M&E], GIDC, Surat in this work. More criteria of successful operation and maintenance is described in technical specification with 5 Years Free Comprehensive Guarantee period. Total Quantities are as follows: Operation of 1640 poles for 60 months i.e. 1640*60= 98400.	98,400.00	Pole-month	126.25	1,24,23,000.00
<b>Total Amount Rs.:-</b>				<b>6,70,15,805.00/-</b>	

**Note :-**

The Unit rates specified for various items to be executed as per Schedule "B" attached with the Price Bid are excluding GST but inclusive all labours, materials, testing charges, equipments, all incidental charges involving in the work and as specified in the Mode of measurement & payment of detailed specifications of items incl. all taxes, royalty, octroi, transportation cost etc. all as applicable presently as to be enforced for future by any / all including Central/State Government & Statutory bodies from time to time.

I/We agree to carry out above work at \_\_\_\_\_% above the estimated Rate put to tender Percentage in words (\_\_\_\_\_)

I/We agree to carry out above work at \_\_\_\_\_% below the estimated Rate put to tender Percentage in words (\_\_\_\_\_)

Estimated Amount put to  
Tender **Rs. 6,70,15,805.00/-**

Estimated Amount put to  
Tender **Rs. 6,70,15,805.00/-**

Add % Above Rs.\_\_\_\_\_.

Deduct % Below Rs.\_\_\_\_\_

Net Amount Rs.\_\_\_\_\_(In figures).

Net Amount Rs.\_\_\_\_\_(In figures)

Rs.\_\_\_\_\_(In Words).

Rs.\_\_\_\_\_(In Words)

---

I/we have read the condition mentioned in this tender and agree to abide by the same

Signature of Contractor

Executive Engineer (M&E)  
G.I.D.C., Vapi/Surat.