

Name of work:	SUPPLY INSTALLATION AND COMMISSIONING OF STREET LIGHT POLES WITH LED LUMINARIES FOR VARIOUS ROADS OF SUDA AREA. (1) KATHODARA BUS-STAND TO PASODARA GAM CHEHAR MATAJI MANDIR AT PASODARA (LENGTH :- 1.5KM) (2) OM RESIDENCY TO SARTHANA UNDER KHADSAD BOUNDRY (LENGTH:- 2.10KM) (3) REMANING PORTION BETWEEN VILLSGES BHATHA AND ICHHAPOR ON PAL HAZIRA ROAD (LENGTH :- 1.60 KM)
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SCHEDULE " B "

Item No	Quantities estimated but may be more or less.	Item of work	Estimated Rate		Unit	Total amount according to estimated quantities.
			In Figures	In words		
1	2	3	4	5	6	7
1	147.00	S.E.T.C. Of Octagonal Poles made from as per IS and shall be coated with hot dip Galvaizing as per IS 2629/4759 with required base plate & hardware which is suspend local wind speed as erected on foundation pole. [a] 6 mtr. Long, 70 mm Top X 135 mm, 3 mm thickness.	8683.00	Rs. Eight Thousand Six Hundred Eighty Three Only.	Nos.	1276401.00
2	70.00	S.E.T.C. Of Octagonal Poles made from as per IS and shall be coated with hot dip Galvaizing as per IS 2629/4759 with required base plate & hardware which is suspend local wind speed as erected on foundation pole. [a] 8 mtr. Long, 70 mm Top X 135 mm, 3 mm thickness.	11730.00	Rs. Eleven Thousand Seven Hundred Thirty Only.	Nos.	821100.00
3	148.00	SETC of single arm detachable bracket consisting of "B" class 70 mm GI Pipe & 2.9 W.T with horizontal spreading of 1.0 mtr. & Height of 750mm. 300mm height will be used for overlapping & remaining will be used to increase height. for single arm 1.0 m (Tilting Angle 15 Degree)	798.00	Rs. Seven Hundred Ninty Eight Only.	Nos.	118104.00
4	70.00	SETC of Double arm detachable bracket consisting of "B" class 70 mm GI Pipe & 2.9 W.T with horizontal spreading of 1.0 mtr. & Height of 750mm. 300mm height will be used for overlapping & remaining will be used to increase height. for Double arm 1.0 m (Tilting Angle 15 Degree)	1033.00	Rs. One Thousand Thirty Three Only.	Nos.	72310.00
5	6.00	SETC of Triple arm detachable bracket consisting of "B" class 70 mm GI Pipe & 2.9 W.T with horizontal spreading of 1.0 mtr. & Height of 750mm. 300mm height will be used for overlapping & remaining will be used to increase height. for Triple arm 1.0 m (Tilting Angle 15 Degree)	2482.00	Rs. Two Thousand Four Hundred Eighty Two Only.	Nos.	14892.00
6	147.00	Providing & Constructing M-20/ 1:1.5:3 RCC foundation including excavation and errection for electric pole of 6 mtr. Long, 70 mm Top X 135 mm, 3 mm thickness (Foundation size :- 500 X 500 X 1600)	3213.00	Rs. Three Thousand Two Hundred Thirteen Only.	Nos.	472311.00
7	70.00	Providing & Constructing M-20/ 1:1.5:3 RCC foundation including excavation and errection for electric pole of 8 mtr. Long, 70 mm Top X 135 mm, 3 mm thickness (Foundation size :- 500 X 500 X 1700)	3569.00	Rs. Three Thousand Five Hundred Sixty Nine Only.	Nos.	249830.00
8	448.00	Providing & making cable end termination using Bakelite sheet with One or Two Nos. 6 Amp. MCB & heavy duty stud type connector & solder less crimping type lugs for 4C x 16/25 sq mm (single cable)	117.00	Rs. One Hundred Seventeen Only.	Nos.	52416.00

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9	306.00	Miniature Circuit Breaker single pole 6 A to 32 A 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	116.15	Rs. One Hundred Sixteen and Fifteen Paise Only.	Nos.	35541.90
10	24.00	Prov. & making cable end termination using heavy duty flange type brass cable gland and solderless crimping type lugs for Feeder Pillar for 4 core 25 sq. mm	111.10	Rs. One Hundred Eleven and Ten Paise Only.	Nos.	2666.40
11	6130.00	Providing and Erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistranded Aluminium conductor for 1.1 KV to be laid on wall with necessary clamps or in existing trench / pipe of following size (a) 4C X 16 Sq.mm	162.00	Rs. One Hundred Sixty Two Only.	Rmt	993060.00
12	24.00	Providing and Erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistranded Aluminium conductor for 1.1 KV to be laid on wall with necessary clamps or in existing trench / pipe of following size (b) 4C X 25 Sq.mm	222.00	Rs. Two Hundred Twenty Two Only.	Each	5328.00
13	210.00	Solderless 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. (D) 1.5/2.5/4/25 Sq. mm.	16.65	Rs. Sixteen and Sixty Five Paise only	Rmt	3496.50
14	3900.00	Laying of cable with excavation of trench having depth of 90 cms and refilling with clay and covering with 50 mm dia. I.D. DWC pipe to be laid in Soft soil/ Kachcha Road	231.00	Rs. Two Hundred Thirty One Only.	Rmt	900900.00
15	250.00	supply & laying of GI "B" grade pipe for cable guard/road crossing with making of zari for 50 mm ø	356.00	Rs. Three Hundred Fifty Six Only.	Rmt	89000.00
16	2062.00	Making trench in hard Murrum/ Tar Road of suitable width of 90cms or required depth for laying any size of cable locating the fault all over the run and back filling the same and making the surface as normal as hard murrum/ tar road.(B) if additional machineries like hammer driller or JCB use	388.50	Rs. Three Hundred Eighty Eight and Fifty Paise Only.	Rmt	801087.00
17	2467.40	Supply & erecting PVC/ XLPE insulated ISI marked unarmoured copper cable 1.1 kV grade of following sizes for 3 core 1.5 sq mm	46.00	Rs. Fourty Six Only.	Rmt	113500.40
18	147.00	SETC of LED st.Light Luminaires. of 35 to 38 W	3315.00	Rs. Three Thousand Three Hundred Fifteen Only.	Nos.	487305.00

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19	159.00	Supplying and erecting LED street light/ Flood light fitting with high power white LEDs wattage of 1Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free high pressure die cast aluminium housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and polycarbonate optics/ lenses with company mark/name engraved or embossed. 120 to 300 V, Power Factor more than 0.95, THD < 10 % , CCT 5000K to 5700K, Uniformity ratio > .45, Luminaire efficacy > 85 lumens/Watt. LED driver efficiency > 85%. CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL / Bridgelux (U.S.A) make LED used for luminaire. (Each fittings required LM- 79 & LM- 80 certificates) (A) streetlight (IP-65), Surge-4KV SETC of LED st. Light Luminaires. Of 71 W (Max. I/P)	6119.00	Rs. Six Thousand One Hundred One Nine Only.	Nos.	972921.00
20	5.00	SETC of G.I. Feeder pillar of 9 KW Three Phase	34995.00	Rs. Thirty Four Thousand Nine Hundred Ninety Five Only.	Nos.	174975.00
21	224.00	Painting the number and words for inventory Identification on erected fittings/ equipment's or such accessories as may required with good quality of enamelled paint."(i) up to 20 characters, Up to 50 mm Height. & (iii) add for additional each 25 mm Height "	55.00	Rs. Fifty Five Only.	Nos.	12320.00
22	224.00	Pipe type Earthing having 150 cms long and 2.5 cms. Dia galvanised iron pipe with coupling and both buried in specially prepared earth pit complete with necessary 8 SWG earth wire. for using salt and charcoal / coke as required for pipe type earthing.	593.00	Rs. Five Hundred Ninety Three Only.	Nos.	132832.00

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23	882.00	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead. (A) Loose or soft soil	67.97	Rs. Sixty Seven and Ninty Seven Paise Only.	Cu.M.	59949.54
24	3.00	Supplyng & 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 G.I.Pipes having Outer pipe dia. Of 50mm having 80-200 Micron galvanising, inner pipe dia of 25mm having 200-highly conductive compound with high charge dissipation suitable for following type of application.(b) for electrical installation up to 11kV in normal soil. Length of pipe : 2.00 mtrs Back filling compound : 1 no. bag of 25 Kg.	9956.70	Rs. Nine Thousand Nine Hundred Fifty Six and Seventy Paise Only.	Nos.	29870.10
25	118.00	Providing and laying cement concrete 1:3:6 (1- Cement : 3- coarse sand : 6- hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth (upto 10 ton)	2600.75	Rs. Two Thousand Six Hundred and Seventy Five Paise Only.	Cu.M.	306888.50
26	0.00	Providing and laying cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth (upto 10 ton)	0.00	Rs. Only.	Cu.M.	0.00
27	290.00	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and excluding reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete (more than 10 ton)	3948.93	Rs. Three Thousand Nine Hundred Fourty Eight and Ninty Three Paise Only.	Cu.M.	1145189.70
28	476.00	Filling available excavated earth (excluding rock) in trenches. plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each disposed layer by ramming and watering.	79.79	Rs. Seventy Nine and Seventy Nine Paise Only.	Cu.M.	37980.04
29	2.00	Clearing and grubbing road land including uprooting rank vegetation grass bushes,shrubs,sapling and trees girth up to 300 mm removal of stumps of trees cut earlier and disposal of unserviceable materials(A) By manual means in area of light jungle	52339.21	Rs. Fifty Two Thousand Three Hundred Thirty Nine and Twenty One Paise Only.	Hectare	104678.42
					TOTAL	9486853.50

I.e.= Ninety Four Lakh Eighty Six Thousand Eight Hundred Fifty Three Point Five Only

I/We am/are willing to carry out the work at _____ %
(percentage) above/below (Should be written in figures and word) of the estimated rates mentioned above. Amount of my/our tender works out as under.-:

Estimated Amount put to tender

Rs. 94,86,853.50

Deduct: ____ % Below Rs. _____

Total Rs. _____

In Words. _____

*(Please strike out which is not applicable)

Estimated Amount put to tender

Rs. 94,86,853.50

Add : ____ % Above Rs. _____

Total Rs. _____

In Words. _____

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Note 1. All work shall be carried out as per public work department hand book and other specifications of Division or as directed.

Note 2. Rates quoted include clearance of site (Prior commencement of work and its close) in all respects and hold good for work under all condition, site, moisture/ weather etc.

Note 3. As per government (G.R building and other construction work welfare cess Act 1966, Labour and employment development G.R.NO (WA/2004/841/M-3 Dt-30/01/2006 contractor shall have to pay 1 % Construction Cess on every bill amount.

SIGNATURE OF CONTRACTOR

EXECUTIVE ENGINEER
SURAT URBAN DEVELOPMENT AUTHORITY SURAT.