

Government eProcurement System
Created By: Jagannath singh Deshmukh
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Tender Title: SITC of Apron Flood Lights, Perimeter lighting and Allied Works at Civil Enclave Jamnagar.
Tender ID: 2022_AAI_132572_1

Tender Inviting Authority: SM (E E), AAI, CA Rajkot.
Name of Work: SITC of Apron Flood Lights, Perimeter lighting and Allied Works at Civil Enclave Jamnagar.
Contract No: AAI/RAJ/SM(E-E)/NIT-09/22-23

SCHEDULE OF WORK / ITEM(S)

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	SARAA ENTERPRISE(GSTN-24ALWPS7603LZ1C)		Ascent Electrification Engineers(GSTN-24AAOEA2574R1ZU)		jaydeep agency corporation(GSTN-24ACIPP6157B1ZQ)		Manish Electricals(GSTN-23ABLPM9012E1ZW)	
					Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1.00	Design, Supply, Installation, Testing & Commissioning of 20M high mast system with its accesories. Mast shaft shall be in two sections, hot dip galvanised and suitable for wind velocity as per IS:875. It shall also include accessories for high mast including head frame, steel wire rope 6 mm dia (SS) with raising lowering system comprising, luminaries carriage suitable to install required nos of LED Light fixtures with its accessories in Asymmetrical arrangement, double drum winch, trailing cable, connector, junction box, lightening finial etc. The mast shall have an integral power tool motor, manual handle installed inside the base compartment for its operation. Work includes the installation of LED Flood Light luminaries & LED type Aviation obstruction light & its wiring & connection complete & wiring material from junction box to individual luminaire & MCB in base compartment and following accessories etc. as required as per the enclosed technical specifications. a) Providing & fixing of Counter weight for LED light fixtures. b) Providing & fixing of foundation bolts manufactured from special steel along with nuts, washers, anchor plate and common template (as per OEM Standard) c) Construction of shallow/deep foundation in all types of soil/ hard rock with M20 grade concrete for the highmast considering the safe soil bearing capacity as per technical specification.	2.00	Job		410000.00	820000.00	324276.00	648552.00	625000.00	1250000.00	480000.00	960000.00

L1 Amount	L1 Vendor
648552.00	Ascent Electrification Engineers

2.00	Design, Supply, Installation, Testing & Commissioning of 16M high mast system with its accessories. Mast shaft shall be in two sections, hot dip galvanised and suitable for wind velocity as per IS:875. It shall also include accessories for high mast including head frame, steel wire rope 6 mm dia (SS) with raising lowering system comprising, luminaries carriage suitable to install required nos of LED Light fixtures with its accessories in Asymmetrical arrangement, double drum winch, trailing cable, connector, junction box, lightening finial etc. The mast shall have an integral power tool motor, manual handle installed inside the base compartment for its operation. Work includes the installation of LED Flood Light luminaries & LED type Aviation obstruction light & its wiring & connection complete & wiring material from junction box to individual luminaire & MCB in base compartment and following accessories etc. as required as per the enclosed technical specifications. a) Providing & fixing of Counter weight for LED light fixtures b) Providing & fixing of foundation bolts manufactured from special steel along with nuts, washers, anchor plate and common template (as per OEM Standard) c) Construction of shallow/deep foundation in all types of soil / hard rock with M20 grade concrete for the highmast considering the safe soil bearing capacity of as per technical specification.	1.00	Job
3.00	Supply of 7M high GI OCTAGONAL continuously tapered galvanised street light pole with minimum 1000 mm long single arm GI bracket (length and tilt angle of bracket shall be based on design) for installation of LED street light luminaire, suitable for wind velocity as per IS 875 (but not less than 50 m/sec.), fabricated out of 3 mm thick high tensile sheet steel in single piece construction having 130mm bottom, 70 mm top, suitable for installation on a precast foundation with supply of 4 nos. of foundation bolts & anchor plate, rigid flange plate (200x200x12mm min) welded with the base of pole for fixing on foundation bolts complete as required for structural stability as specified, weather proof and vandal resistant door flush with the exterior surface containing a terminal plate of 5 mm thick bakelite sheet with 32 Amp heavy duty connector for loop in loop out cable terminations suitable for upto two numbers 4 core 25 Sq.mm cables, including supply of 6A, 10kA, DP, C series, MCB for each fixture connections, earthing bolts for continuous earth connection complete, as required as per technical specifications.	17.00	Job

350000.00	350000.00	296856.00	296856.00	550000.00	550000.00	375000.00	375000.00
17000.00	289000.00	11448.00	194616.00	9540.00	162180.00	13500.00	229500.00

296856.00	Ascent Electrification Engineers
162180.00	jaydeep agency corporation

4.00	Supply of 7M high GI OCTAGONAL continuously tapered galvanised street light pole with minimum 1000 mm long Double arm GI bracket (length and tilt angle of bracket shall be based on design) for installation of LED street light luminaire, suitable for wind velocity as per IS 875 (but not less than 50 m/sec.), fabricated out of 3 mm thick high tensile sheet steel in single piece construction having 130mm bottom, 70 mm top, suitable for installation on a precast foundation with supply of 4 nos. of foundation bolts & anchor plate, rigid flange plate (200x200x12mm min.) welded with the base of pole for fixing on foundation bolts complete as required for structural stability as specified, weather proof and vandal resistant door flush with the exterior surface containing a terminal plate of 5 mm thick bakelite sheet with 32 Amp heavy duty connector for loop in loop out cable terminations suitable for upto two numbers 4 core 25 Sq.mm cables, including supply of 6A, 10kA, DP, C series, MCB for each fixture connections, earthing bolts for continuous earth connection complete, as required as per technical specifications.	2.00	Job
5.00	Supply, Installation, Testing & Commissioning of 72 W LED street light fitting having system lumen output not less than 7920 lumens and system efficacy of not less than 110 lumens per watt, complete with electronic driver and accessories etc, suitable for outdoor applications with min. IP 66, complete as required, as per technical specifications.	21.00	Job
6.00	Supply, Installation, Testing & Commissioning of 350 W $\pm 5\%$ energy efficient Flood Light LED luminaire with minimum system lumen output of 35000 lm, lumen efficacy 110 lm/watt, die-cast aluminium housing with heat resistant diffuser and MS powder coated bracket suitable to operate on 240 V, 50 Hz AC complete as required suitable for Apron High Mast.	24.00	Each
7.00	Supply, Installation, Testing & Commissioning of 240 W $\pm 5\%$ energy efficient Flood Light LED luminaire with minimum system lumen output of 26400 lm, lumen efficacy 110 lm/watt, die-cast aluminium housing with heat resistant diffuser and MS powder coated bracket suitable to operate on 240 V, 50 Hz AC complete as required suitable for Apron Highmast.	6.00	Each
8.00	Supply of twin dome LED type aviation obstruction light luminair with lamp, fixtures, mounting clamp, nut bolt etc complete as required. As per AAI approved make list.	3.00	Each

21000.00	42000.00	12000.00	24000.00	9840.00	19680.00	16500.00	33000.00
4000.00	84000.00	2900.00	60900.00	4630.00	97230.00	7000.00	147000.00
15500.00	372000.00	13500.00	324000.00	12050.00	289200.00	14200.00	340800.00
10000.00	60000.00	10500.00	63000.00	8450.00	50700.00	12000.00	72000.00
8500.00	25500.00	5000.00	15000.00	4190.00	12570.00	9000.00	27000.00

19680.00	jaydeep agency corporation
60900.00	Ascent Electrification Engineers
289200.00	jaydeep agency corporation
50700.00	jaydeep agency corporation
12570.00	jaydeep agency corporation

9.00	Supply, installation, Testing and Commissioning of floor mounting, totally enclosed, compartmentalized, cubical, dust, vermin proof outdoor type IP 65 feeder pillar for switching of light fittings, raising-lowering circuit & suitable for 415V, 3-Phase, 4-Wire, 50 Hz., AC supply system fabricated in cubical type compartmentalized CRCA sheet steel of 2 mm thick for frame work and 3 mm thick for gland plated i/c. cleaning and finishing complete with powder coating in approved shade, bottom base channel of MS section not less than 50 mmx50mmx5 mm thick, required size of Alu. busbars and control wiring with 1.5 sq.mm. FRLS PVC insulated copper conductor, cable alleys, cable gland plates in two half i/c. providing following switch gears etc complete as required. This shall include erection of the panel on suitable foundation including all materials and labours as per technical specification. Incomers: a) 02 Nos. 63 Amp., 4 Pole, MCCB having variable current settings (Ics=100%Icu, 18 KA), spreader links and extendable ON/OFF rotary handle. b) CT's of ratio 63/5 Amps.-2 Set (1 Set of 3 Nos.) c) (0-63 A) Digital Ammeter with selector switch - 2 Set d) (0-500 V) Digital Voltmeter with selector switch - 2 Set e) Indication lamp R/Y/B with backup MCB - 2 Set of Three f) suitable arrangement is to be made for changing over from one source to other source (All required hard ware i.e. contactor, relays, timer etc are included in this item.) Bus-Bars : 4-Pole Aluminium Bus bar of 100 A rating of high conductivity with heat shrinkable, coloured sleeves, required intervals complete for cross section, size supports and their spacing etc as per specification. Outgoings : a) 32 A, 4 Pole C curve MCB-05 Nos. b) 6-32 A, DP C curve MCB-02 Nos. c) suitable capacity DOL starter for operating power Tool.	3.00	Each
10.00	Erection, testing and commissioning of 7 Mtr. high G.I. OCTAGONAL street light pole & bracket with all accessories by providing and making reinforced M 20 cement concrete foundation including excavation and refilling including positioning of template & foundation bolts (supplied with pole to match with pole base plate) & providing and fixing of DWC HDPE pipe of size 40 mm dia (2 pieces of min. 0.75 m length) in the foundation for loop-in-loop-out of the cable along with earthing to the pole complete, as required as per technical specifications.	19.00	Job
11.00	Supply of 4C x 16 Sq.mm sizes of XLPE insulated PVC sheathed, Aluminium conductor armoured electric cable of 1.1 KV grade confirming to IS 7098 PART-I with upto date amended.	96.00	Mtr
12.00	Supply of 3.5 C x 25 Sq. mm sizes of XLPE insulated PVC sheathed, Aluminium conductor armoured electric cable of 1.1 KV grade confirming to IS 7098 PART-I with upto date amended.	1955.00	Mtr
13.00	Supply of 3.5 C x 70 Sq. mm sizes of XLPE insulated PVC sheathed, Aluminium conductor armoured electric cable of 1.1 KV grade confirming to IS 7098 PART-I with upto date amended.	895.00	Mtr

300000.00	900000.00	100000.00	300000.00	42100.00	126300.00	63000.00	189000.00
3000.00	57000.00	4500.00	85500.00	2850.00	54150.00	4500.00	85500.00
200.00	19200.00	120.00	11520.00	156.50	15024.00	180.00	17280.00
220.00	430100.00	150.00	293250.00	191.00	373405.00	240.00	469200.00
450.00	402750.00	325.00	290875.00	500.00	447500.00	440.00	393800.00

126300.00	jaydeep agency corporation
54150.00	jaydeep agency corporation
11520.00	Ascent Electrification Engineers
293250.00	Ascent Electrification Engineers
290875.00	Ascent Electrification Engineers

14.00	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required. 4C x 16 Sq.mm (28mm)	6.00	Set
15.00	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required. 3.5 C x 25 Sq. mm (28 mm)	44.00	Set
16.00	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required. 3.5 C x 70 Sq. mm (38 mm)	16.00	Set
17.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing RCC/ HUME/ METAL/HDPE pipe as required. Upto 35 sq. mm	366.00	Mtr
18.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing RCC/ HUME/ METAL/HDPE pipe as required. Above 35 sq. mm and upto 95 sq. mm	694.00	Mtr
19.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing masonry open duct as required. Upto 35 sq. mm	1780.00	Mtr
20.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing masonry open duct as required. Above 35 sq. mm and upto 95 sq. mm	176.00	Mtr
21.00	Supplying and laying of 120 mm / 63mm dia. DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required. 120mm dia (OD-120mm & ID-103mm nominal)	560.00	Mtr
22.00	Supplying and laying of 120 mm / 63mm dia. DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required. 63mm dia (OD-63mm & ID-51mm nominal)	66.00	Mtr
23.00	Providing, laying and fixing of 100 mm dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc. as required	50.00	Mtr

275.00	1650.00	300.00	1800.00	185.00	1110.00	500.00	3000.00
300.00	13200.00	350.00	15400.00	225.00	9900.00	500.00	22000.00
325.00	5200.00	550.00	8800.00	395.00	6320.00	700.00	11200.00
125.00	45750.00	45.00	16470.00	35.00	12810.00	30.00	10980.00
150.00	104100.00	45.00	31230.00	45.00	31230.00	30.00	20820.00
125.00	222500.00	40.00	71200.00	35.00	62300.00	20.00	35600.00
150.00	26400.00	40.00	7040.00	45.00	7920.00	20.00	3520.00
425.00	238000.00	260.00	145600.00	175.00	98000.00	300.00	168000.00
325.00	21450.00	160.00	10560.00	125.00	8250.00	240.00	15840.00
2100.00	105000.00	1250.00	62500.00	1045.00	52250.00	1800.00	90000.00

1110.00	jaydeep agency corporation
9900.00	jaydeep agency corporation
5200.00	SARAA ENTERPRIS E
10980.00	Manish Electricals
20820.00	Manish Electricals
35600.00	Manish Electricals
3520.00	Manish Electricals
98000.00	jaydeep agency corporation
8250.00	jaydeep agency corporation
52250.00	jaydeep agency corporation

24.00	Earthing: Supply, Installation, Testing & Commissioning of Earthing Copper bonded rod with Low carbon steel, high tensile strength copper bonded rod with min 254 microns of copper plating, Diameter- 17.2 mm, Length- 3 meters, Material- Copper Bonded, Coating thickness- 250 microns (min). The backfill material shall be highly conductive, non - polluting, carbon based, low resistance, non corrosive, highly conductive powdered material etc. as per the technical specifications (20Kg Quantity) provided. This should conform to (IS:3043:1987) duly CPRI/ERDA approved; all as required.	10.00	Set
25.00	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	30.00	Mtr
26.00	Providing and fixing 6 SWG dia GI wire on surface or in recess for loop earthing alongwith existing surface / recessed conduit / submail wiring / cable as required.	477.00	Mtr
27.00	Supply of 3core 2.5 sq.mm. PVC insulated PVC sheathed , 1100 V flexible copper conductor cable Grade as per IS 694:2010 with upto date Amendments.	150.00	Mtr
28.00	Excavation of the cable trenches in hard rock not exceeding 1.5 meter in width, and lift upto 1.5 meter, including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50 meter.	20.00	CUM

6000.00	60000.00	8500.00	85000.00	7800.00	78000.00	18000.00	180000.00
210.00	6300.00	50.00	1500.00	225.00	6750.00	400.00	12000.00
50.00	23850.00	40.00	19080.00	38.00	18126.00	30.00	14310.00
125.00	18750.00	65.00	9750.00	113.00	16950.00	150.00	22500.00
650.00	13000.00	150.00	3000.00	575.00	11500.00	1200.00	24000.00

60000.00	SARAA ENTERPRIS E
1500.00	Ascent Electrification Engineers
14310.00	Manish Electricals
9750.00	Ascent Electrification Engineers
3000.00	Ascent Electrification Engineers

Total in Figures

4756700.00

3096999.00

3869355.00

3972850.00

Lowest Amount Quoted BY: Ascent Electrification Engineers(3096999.00)

Signature Not Verified

Digitally signed by JAGANNATHSINGH BABULAL DESHMUKH
Date: 2022.12.20 12:23:28 IST
Location: eProcurement System for Central PSUs

