

BOQ Summary Details

Tender Title: Installation of illuminated national flag on 100 feet high monumental
flag pole at C.A. Porbandar.

Tender ID: 2022_AAI_111070_1

Sheet Name	Sl.No	Bidder Name	Amount	Bid Rank
BoQ1	1	Manish Electricals	1400665.00	L1
	2	AMBICA ELECTRICALS	1530580.00	L2
	3	Techno Electricals	1606124.00	L3
	4	BR Power Control and Automation Services	1793292.00	L4
	5	jaydeep agency corporation	1834395.00	L5

Government eProcurement System
Created By: Chandrashekhar Sharma
Created Date/Time: 02-May-2022 11:25 AM
Tender Title: Installation of illuminated national flag on 100 feet high monumental flag pole at C.A. Porbandar.
Tender ID: 2022_AAL_111070_1

Inviting Authority: Asstt. General Manager (E/E)

Work: "Installation of illuminated national flag on 100 feet high monumental flag pole at C.A. Porbandar."

Contract No: AA/POR/AGM(E/E)-NIT-06/21-22

SCHEDULE OF WORK / ITEM(S)

Sl.No	Description of Work / Item(s)	No. of Qty	Units	Estimated Rate	jaydeep agency corporation(GSTN-24ACIP6157B1ZQ)		Techno Electricals(GSTN-24AAGFT9086M1ZG)		BR Power Control and Automation Services(GSTN-06AREPS4024K1ZP)		Manish Electricals(GSTN-22ABLPW9012E1ZY)		AMBICA ELECTRICALS(GSTN-NA)		L1 Amount	L1 Vendor
					Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount		
1.00	Design, supply, installation, Erection, Testing and commissioning of 30.5 Mtrs High Flag Mast Shaft in three telescopic sections (with base plate welded to the bottom sections), made of hot dip galvanized steel, totally on externally and internally & suitable for wind velocity as per IS-875 (latest revision) along with special type dome including erection of flag mast, include supply and installation of twin dome LED aviation system with 3C x 4 sqmm copper conductor armoured cable & other assemblies as required with following accessories etc as per the tender specifications. a) Raising and lowering mechanism consisting of flag with double drum which assembly, head frame assembly on top with self lubricating bearing, stainless steel wire ropes of minimum 6 mm dia (Grade 316) etc designed to operate with integral electric driven power tool motor of 2 hp capacity and also for manual operation b) Providing and fixing of foundation bolts of M30 X 850 size manufactured from special steel along with nuts, washers, suitable size anchor plate and template, etc.as required. c) Design & construction of shallow foundation of suitable size with M20 grade concrete for high mast tower suitable for safe soil bearing capacity as per IS specifications and site conditions at required depth with all materials & labor and soil investigation.	1.00	Job		908000.00	908000.00	925000.00	925000.00	681208.00	681208.00	525500.00	525500.00	540000.00	540000.00	525500.00	Manish Electricals
2.00	Design & supply of 5 mtrs. High Hot Dip Gi OCTAGONAL continuously tapered galvanised pole with suitable to mount maximum 2 nos. LED 350W flood light fittings at top, 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 63 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 2A, 10KA, DP, C series, MCB for each fixture connections, earthing bolts for continuous earth connection complete, as required as per technical specifications, other assemblies as required with following accessories etc as per the tender specifications a) Design & construction of shallow foundation of suitable size with M20 grade concrete foundation including excavation and refilling including positioning of template & foundation bolts (supplied with pole to match with pole base	4.00	Job		12800.00	51200.00	10000.00	40000.00	12157.00	48628.00	14500.00	58000.00	8400.00	33600.00	33600.00	AMBICA ELECTRICALS

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					Rate	Amount	Rate	Amount	Rate	Amount	
3.00	Supply of Indian National Flag of Size 30 ft x 20 ft in 100% knitted polyester with reinforced super strong nylon webbing on all three sides & rope / toggle sleeve complete as per relevant IS/Flag code.	12.00	Job		18000.00	216000.00	10000.00	120000.00	19637.00	235644.00	Techno Electricals
4.00	Supply of 320 W, ±5% energy-efficient Flood Light LED luminaire with minimum system lumen output of 35000 lm, lumen efficacy 110 lm/watt, PF>0.95, CRI>70, CCT - 5700K, IP 65 protected, 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 focus to Flag Mast.	8.00	Each		12850.00	102800.00	14253.00	114024.00	18550.00	149200.00	jaydeep agency corporation
5.00	Supply, installation, testing and commissioning for 2 KVA (1 Ph-1Ph) online UPS with minimum 30 mins of battery Back up suitable for operation on 230 V 50 Hz AC supply with output voltage 230 V 50 Hz etc complete as required.	1.00	Job		100000.00	100000.00	68000.00	68000.00	48717.00	48717.00	Manish Electricals
6.00	Supply, installation Testing and Commissioning of suitable size dust & vemin proof, out door type, floor mounted Feeder Pillar Panel on cement concrete/MS channel foundation, fabricated with 14 SWG CRCA Sheet and suitable size MS angle complete with detachable gland plate and front hinged door locking arrangement duly powder coated of approved shade as per manufacturer drawings/SLD. The panel should be suitable to accommodate 2 KVA UPS with batteries (6 nos-12 V, 26AH as required) having the required MCB/Contractors/auto manual switch/MCB LED indicator lamp/Suitable capacity Busbar / auto manual switch as require rating, accessories including connection, inter connection, wiring with minimum 2.5 sqmm flexible copper wire & provision for earth connection etc complete as required Incoming i) 63A, 10KA FP MCB incomer-01 No ii) 63A TP contactors operated through 24 hrs time switch for automatic switching of luminaires along with Auto / Manual selector switch -01 no iii) 01 Sets of phase indicating lamps, LED type, RYB ON, OFF lamps controlled by 2 A MCB iv) 01 Nos. digital multifunction meter for 3 Phase, 4 wire operation with LED display Outgoing i) 32 A, 10 kA, C-series, FP MCB- 02 nos. with all accessories and internal wiring etc as required. ii) 16 A, 10 kA, C-series, DP MCB- 02 nos. with all accessories and internal wiring etc as required iii) 10A, 10 kA, C-series, SP MCB-02 nos. with all accessories and internal wiring etc as required. iv) 03 Sets of phase indicating lamps, LED type, RYB ON, OFF lamps controlled by 2 A MCB v) Control system for Raising/ Lowering of Flag-01 No. with one addition wired remote control for Raising / Lowering of	1.00	Set		150000.00	150000.00	47500.00	47500.00	122234.00	122234.00	AMBICA ELECTRICALS
7.00	Supply of following sizes of XLPE insulated PVC sheathed Aluminium conductor armoured electric cable of 1.1 KV grade conforming to IS 7098 PART-I with upto date amended 7.10 3.5C X 25 sq mm	350.00	Mtr		250.00	87500.00	210.00	73500.00	246.00	86100.00	Techno Electricals, Manish Electricals
7.20	4 C X 16 sq mm	165.00	Mtr		200.00	33000.00	190.00	31350.00	182.00	30030.00	Manish Electricals

Sl.No	Description of Work / Item(s)	No. of Qty	Units	Estimated Rate	Jaydeep agency corporation(GSTN-24ACPP6157B1ZQ)		Techno Electricals(GSTN-24AAGFT9086M1ZG)		BR Power Control and Automation Services(GSTN-06AREPS4024K12P)		Manish Electricals(GSTN-22ABLPW9012E1ZY)		AMBICA ELECTRICALS(GSTN-NA)		L1 Amount	L1 Vendor
					Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount		
14.00	Providing and fixing of advance technology earth electrode earthing system fabricated from hot deep galvanized pipes (pipe in pipe technology) & cavity between pipes pressure filled with highly conductive non-corrosive crystalline material complete with chemically modified homogeneous earth enhancing compound (back fill compound 25 Kg) to treat the soil for lowering the effective ground impedance for each earth pit to make it maintenance free and to minimize the ground voltage potential rise i/c excavation of earth pit suitable to accommodate earth electrode prefabricated FRP enclosure with cover plate all as reqd & conforming to (IS:3043 : 1987) duly CPRI/ERDA approved all as required & as specified for Size :- Outer pipe dia = 80mm Inner pipe dia = 40mm Length of electrode = 3 Mtr	2.00	Set			15000.00	7500.00	15000.00	9813.00	19626.00	21000.00	42000.00	4000.00	8000.00	8000.00	AMBICA ELECTRICALS LS
15.00	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required	10.00	Mtr		870.00	8700.00	650.00	6500.00	726.00	7260.00	650.00	6500.00	240.00	2400.00	2400.00	AMBICA ELECTRICALS LS
16.00	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required	15.00	Mtr		225.00	3375.00	250.00	3750.00	151.00	2265.00	450.00	6750.00	84.00	1260.00	1260.00	AMBICA ELECTRICALS LS
17.00	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing alongwith existing surface / recessed conduit / submain wiring / cable as required.	40.00	Mtr		38.00	1520.00	25.00	1000.00	124.00	4960.00	30.00	1200.00	30.00	1200.00	1000.00	Techno Electricals
18.00	Supplying and laying of following size DWG 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 direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc. complete as required 90 mm dia (OD-90 mm & ID-76 mm nominal)	300.00	Mtr		200.00	60000.00	220.00	66000.00	270.00	81000.00	290.00	87000.00	140.00	42000.00	42000.00	AMBICA ELECTRICALS LS
19.00	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment and matching shade including rubbing, curing and polishing etc all complete as specified and as directed by the Engineer-in-Charge. Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	30.00	SqMtr		1500.00	45000.00	1250.00	37500.00	5250.00	157500.00	3000.00	90000.00	4200.00	126000.00	37500.00	Techno Electricals

1530580.00

1400665.00

1793292.00

1606124.00

1834395.00

1606124.00

1793292.00

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1793292.00

est Amount Quoted BY: Manish Electricals(1400665.00)

Total In Figures

Sl.No	Description of Work / Item(s)	No. of Qty	Units	Estimated Rate	jaydeep agency corporation (GSTN-24ACPP6157B1ZQ)		Techno Electricals (GSTN-24AAGFT9086M7ZG)		BR Power Control and Automation Services (GSTN-06AREPS4024K1ZP)		Manish Electricals (GSTN-22ABLPN9012E1ZY)		AMBICA ELECTRICALS (GSTN-NA)		L1 Amount	L1 Vendor
					Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount		
8.00	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.															
8.10	3.5C X 25 sq. mm.	8.00	Set		250.00	2000.00	300.00	2400.00	1157.00	9256.00	500.00	4000.00	360.00	2880.00	2000.00	jaydeep agency corporation
8.20	4 X 16 sq. mm.	24.00	Set		200.00	4800.00	300.00	7200.00	897.00	21528.00	350.00	8400.00	300.00	7200.00	4800.00	jaydeep agency corporation
9.00	Erection, testing and commissioning of 5 Mtr. high G.I. OCTAGONAL flood light pole & bracket / channel 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 DWG 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	4.00	Each		4500.00	18000.00	3500.00	14000.00	8404.00	33616.00	6000.00	24000.00	3000.00	12000.00	12000.00	AMBICA ELECTRICALS
10.00	Installation, testing and commissioning of LED Flood light fitting with all accessories on existing pole of 5 mtr height with bracket / channel, including supplying and drawing of 3core 4 sq. mm. FRLSZH PVC insulated PVC sheathed flexible copper conductor cable from loop-in-loop-out box upto the individual streetlight fitting(s), connection etc. complete as required & as specified	8.00	Each		250.00	2000.00	650.00	5200.00	1448.00	11584.00	650.00	5200.00	600.00	4800.00	2000.00	jaydeep agency corporation
11.00	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 pipe as required.															
11.10	Up to 35 sq. mm.	324.00	Mtr		45.00	14580.00	50.00	16200.00	78.00	25272.00	20.00	6480.00	144.00	46656.00	6480.00	Manish Electricals
12.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing existing masonry open duct as required.															
12.10	Up to 35 sq. mm.	12.00	Mtr		40.00	480.00	50.00	600.00	71.00	852.00	30.00	360.00	72.00	864.00	360.00	Manish Electricals
13.00	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc. as required															
13.10	80 mm dia	12.00	Mtr		870.00	10440.00	950.00	11400.00	1401.00	16812.00	1250.00	15000.00	660.00	7920.00	7920.00	AMBICA ELECTRICALS