

Government eProcurement System Created By: Keishing Honpam Created Date/Time: 21-Dec-2021 04:19 PM Tender Title: Unforeseen Misc. Electrical Capital Works. SH- SITC of High Mast at City Side and other Misc. Electrical works at Jorhat Airport. Tender ID: 2021_AAI_95498_1									
Tender Inviting Authority: Airport Authority of India									
Name of Work: Unforeseen Misc. Electrical Capital Works. SH: SITC of High Mast at City Side and other Misc. Electrical works at Jorhat Airport.									
Contract No: 2021_AAI_95498_1									
SCHEDULE OF WORK / ITEM(S)									
Sl.No	Description of Work / Item(s)	No.of Qty	Units	D.D.METAL CORPORATION(GSTN-18ACGPD4624F2ZW)		sudarshnacoolingcentre andelectricals(GSTN-18AAJFM8760E1ZZ)			
				Rate	Amount	Rate	Amount	L1 Amount	L1 Vendor
1.00	SH-I: SITC of High Mast Lighting								
2.00	Design, Fabrication, Supply, Erection, Testing and Commissioning of 20 meters height High Mast shaft in mutiple sections,complete hot dip galvanised and made of S 355 grade as per BS-EN 10025, suitable for wind velocity as per IS 875 part 3, including raising lowering system comprising head frame, Galvanised lantern carriage suitable to install 08Nos. 250W LED luminaries & its controlgear boxes (or equivalent such as counter weighted as per design) in symmetrical arrangement, Double drum winch, SS Wire rope 6mm dia, Trailing Copper Cable, manual handle, terminations, junction box, lightening finial, MCB, electric driven integral power tool motor, power and control cables, lightning arrestor etc., all other required accessories along with the following as per the specification given in the Tender document.								

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				Rate	Amount	Rate	Amount		
3.00	(a) Raising and lowering mechanism consisting of suitable double drum winch assembly, head frame assembly on top with self lubricating bearing and stainless steel shaft non-corrosive pulley & stainless steel wire ropes of minimum 6 mm dia etc. completes with internally mounted electric driven 3 phase, 415 volts, 50 Hz operated integral power tool motor installed inside the base compartment for its operation and also for manual operation. (b) Supply, Laying and fixing of 2 runs of flexible round sheath 5 core control cables of appropriate rating from junction box to lantern carriage including wiring with suitable size of copper cable for individual wiring of all fittings including 2 Nos double dome LED Aviation obstruction lights. (c) Installation, testing and commissioning of LED Flood light luminaries as per design /site requirements including wiring of all luminaires with all wiring materials like PVC insulated PVC sheathed flexible cable of suitable copper conductor cores of 2.5 sq. mm in GI flexible conduit from Junction box of Lantern Carriage to individual light fittings, lugs, mounting accessories, counter weights if required and all labour etc. complete as required. (d) Supply of foundation bolts manufactured from special steel along with nuts, washers, anchor plate and common template. (e) SITC of double dome aviation obstruction lights - 01 set per mast as per ICAO standards (f) Construction of shallow foundation with M20 grade concrete for the highmast considering the safe soil bearing capacity at site as 10T/sqmtr at 2 metre depth including all materials and labour, The foundation design should be withstand wind pressure of 50 m/sec along with desired fitting etc., complete as required. (g) Erection of the high mast including all accessories with the help of suitable tools and plants. (h) Supply & installation of outdoor stand mounted feeder pillar (IP-55) as per relavent IS for essential and non-essential application with 32A TPN MCB incomer, single dial time switch, 25A TP contactor for the automatic switching of luminaries, power tool control with 2 no 9A contactors and	1.00	Each	397000.00	397000.00	445272.00	445272.00	397000.00	D.D.METAL CORPORATION

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				Rate	Amount	Rate	Amount
4.00	Supply of LED Flood Light Luminaire of system wattage of 250W (min) with high power LED's having minimum luminous flux of 110 lm/watt (Narrow/Medium beam for meeting LUX levels as per IS) with secondary optics and designed with Powder coated Pressure Die Cast aluminium housing, frame, integral driver with Surge protection, heat resistant toughned glass, Confirming to IP 66 protection suitable to operate on 140 to 270V, 50Hz, AC supply including control gear and all accessories, meeting technical specification of Tender Document suitable for Flood lighting purpose, complete as required. (The fitting should have minimum 5 years warranty for complete luminaire including Driver & control gear etc complete as required) (Model no. BGAV 302 LED of Bajaj make or LF30-342-060-57-G1 of Wipro make or equivalent).	8.00	Each	9700.00	77600.00	11115.00	88920.00
5.00	Supply of 35 W LED Integral Post top Luminaire (Efficacy min.110 Lumens/watt)with IP≥65 protection along with all accessories like heat sink, reflector, glass cover etc. complete suitable for operating at 230 V,50 Hz, single phase AC supply as per specifications complete as required. (Make: Havells, Cat No. CORALPT35WLED757PSYMTOPC)	3.00	Each	4000.00	12000.00	5265.00	15795.00
6.00	Supply of 90W LED Street Light Fitting (Efficacy min.110 Lumens/watt) housed in pressure Die-Cast/Aluminium Alloy, IP≥65 protection with Surge protection and suitable for operation on 230V, 50Hz AC supply complete as required.	5.00	Each	4000.00	20000.00	5265.00	26325.00
7.00	SH-II: Supply of LT Cables and laying of cables and Earthing etc.,						
8.00	Supply of 3.5C X 35Sqmm size of XLPE insulated PVC sheathed, aluminium conductor armoured, power cable of 1.1 KV grade conforming to IS 7098 (Part I), 1988 with upto date amendments complete as required.	220.00	Mtr	310.00	68200.00	508.95	111969.00

L1 Amount	L1 Vendor
77600.00	D.D.METAL CORPORATION
12000.00	D.D.METAL CORPORATION
20000.00	D.D.METAL CORPORATION
68200.00	D.D.METAL CORPORATION

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				Rate	Amount	Rate	Amount
9.00	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of Upto 35 sq. mm (clamped with 1mm thick saddle) on wall surface as required	80.00	Mtr	150.00	12000.00	105.00	8400.00
10.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of upto 35 Sqmm size in the existing RCC/ HDPE/ HUME/ METAL pipe as required.	20.00	Mtr	150.00	3000.00	93.00	1860.00
11.00	Laying of one number PVC insulated and PVC sheathed /XLPE power cable of 1.1 kV grade of upto 35 Sqmmsize in the existing masonry open duct as required.	100.00	Mtr	150.00	15000.00	105.00	10500.00
12.00	Supply and laying of 50 mm dia 'B' Class GI Pipe in concrete/bitumen for cable laying by cutting the bitumen/concrete of size (10 cm width and 20 cm depth) for laying the pipe, threading, cutting, joining of pipe & filling the gaps with bitumen mix/concrete of ratio 1:3:6 and making good the surface matching with original finish etc. as required and as per the instruction of Engineer-in-charge.	10.00	Mtr	1100.00	11000.00	2106.00	21060.00
13.00	Providing, laying and fixing 50mm dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc as required	10.00	Mtr	1100.00	11000.00	126.00	1260.00
14.00	Supply and making end termination with brass compression gland and aluminium lugs for 3.5C X 35 Sqmm size of PVC insulated and PVC sheated / XLPE aluminium conductor cable of 1.1 KV grade as required.	2.00	Each	600.00	1200.00	128.00	256.00
15.00	Supply & fixing of weather-proof Cable Junction Box (Make:Hensel-KF 3535 G or equivalent) suitable for outdoor installation , IP 66/69 with knockouts for cable entry including cable gland, terminals etc. complete as required.	2.00	Each	1500.00	3000.00	21.00	42.00

L1 Amount	L1 Vendor
8400.00	sudarshnacoolingcentre andelectricals
1860.00	sudarshnacoolingcentre andelectricals
10500.00	sudarshnacoolingcentre andelectricals
11000.00	D.D.METAL CORPORATION
1260.00	sudarshnacoolingcentre andelectricals
256.00	sudarshnacoolingcentre andelectricals
42.00	sudarshnacoolingcentre andelectricals

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16.00	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	2.00	Each	9000.00	18000.00	7500.00	15000.00
17.00	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	20.00	Mtr	30.00	600.00	46.80	936.00
18.00	Providing and fixing 6 SWG dia GI wire on surface or in recess for loop earthing along with existing surface/cables/conduits/wiring etc as required.	30.00	Mtr	30.00	900.00	46.80	1404.00
19.00	SH-III: Supply of Fans and other Misc Items etc.,						
20.00	Supply of 5 star rating BEE labelled 1200 mm sweep (Colour: white) ceiling fan 32W (BLDC) with double ball bearing, aluminium pressure die cast body with aluminium blades, canopies, hanging shackle, 30 cm downrod without speed regulator suitable for operations at 230+/-10% Volts, 50 Hz etc., complete as required. (Make: Orient: Hector-500, USHA: ENERGIA 32, Havells: Efficencia Neo, Crompton: Energon HS or equivalent)	50.00	Each	3400.00	170000.00	4212.00	210600.00
21.00	Supply, Installation, Testing & Commissioning of 200LPH, 24 inch external industrial iron removal filter along with required water pipes interconnections between with the existing installed 80Ltr Storage UV water filter (Make: Eureka Forbes) complete with all accessories including suitable Stand as required (Make : Eureka Forbes or Equivalent)	3.00	Each	17000.00	51000.00	54000.00	162000.00

L1 Amount	L1 Vendor
15000.00	sudarshnacoolingcentre andelectricals
600.00	D.D.METAL CORPORATION
900.00	D.D.METAL CORPORATION
170000.00	D.D.METAL CORPORATION
51000.00	D.D.METAL CORPORATION

Total in Figures

871500.00

1121599.00

Lowest Amount Quoted BY: D.D.METAL CORPORATION(871500.00)

BOQ Summary Details

Tender Title: Unforeseen Misc. Electrical Capital Works. SH- SITC of High Mast at City Side and other Misc. Electrical works at Jorhat Airport.

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Sheet Name	Sl.No	Bidder Name	Amount	Bid Rank
BoQ1	1	D.D.METAL CORPORATION	871500.00	L1
	2	sudarshnacoolingcentre andelectricals	1121599.00	L2