

Government eProcurement System Created By: MD Sadrul Huda Created Date/Time: 10-Jan-2025 03:51 PM Tender Title: Replacement of conventional CCR with microprocessor CCR and taxiway lights at Bhuj C.E. Tender ID: 2024_AAI_217712_1								
Tender Inviting Authority: AGM (E E), AAI, RHQ WR Mumbai.								
Name of Work: Replacement of conventional CCR with microprocessor CCR and taxiway lights at C.E., Bhuj.								
Contract No: 2024_AAI_217712_1								
SCHEDULE OF WORK / ITEM(S)								
Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	Techno Electricals (GSTN-24AAGFT9086M1ZG) BID ID -799678		Manish Electricals (GSTN-23ABLP9012E1ZW) BID ID -800288	
					Rate	Amount	Rate	Amount
1.00	Supply installation testing and commissioning of 4 KW CCR at 6.6 A indoor type air-cooled Microprocessor based Constant current regulator of thyristor controlled type suitable for use on Input Supply voltage 230V +/-10%, 50 c/s input AC supply without put power of following rating with 5 steps variation of current output suitable for local and remote control operations with 24/48 Volts integral control supply and complete with output digital ammeter of (0-30) Amps range, over current, over voltage, earth fault protection and earth leakage meter, positive feedback indication equipment's, complete with 5.0KV grade suitable current transformers and relay contacts complete as required as per AAI specifications.	2.00	Each		225000.00	450000.00	225000.00	450000.00
2.00	Supply of Omni-directional elevated medium intensity light fittings suitable for Taxiway/Apron/Turning pad Edge Lighting use with LED type lamp complete with lens support mechanism, prefocus lamp holder, lens clamping mechanism, central column assembly, breakable coupling, gaskets, two pin secondary leads, base plate with 6 nos M-10 stainless steel bolts, spring washers and other accessories with omnidirectional blue lens, 1.0 watt 6.6 amps LED lamp, LED electronic assembly etc. and confirming to ICAO requirements as per the enclosed particular specifications.	40.00	Set		4100.00	164000.00	4000.00	160000.00

L1 Amount	L1 Vendor
450000.00	Techno Electricals, Manish Electricals
160000.00	Manish Electricals

3.00	Supplying and laying of 50 mm dia (OD-50mm & ID 40 mm nominal) size 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. direct in ground (120 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.	100.00	Meter
4.00	Supply of 1C x 6 sqmm, 5KV grade PVC/XLPE insulated & PVC sheathed stranded copper conductor single core Airport lighting cable confirming IS:1554 (Part-II)/IS 7098 (Part-II) with upto date amendment and confirming to particular specification etc. as required.	300.00	Meter
5.00	Supply of 6.6A/6.6A of 15 W, Isolation transformer of 5 KV Grade suitable to operate 1 Watt, LED light of medium intensity light fitting encapsulated in polyester resin finally moulded in neoprene rubber with primary and secondary connection as specified in particular specifications.	40.00	Each
6.00	Supply of 6 Sq.mm, 5KV grade plug & receptacle (essna connector) of type-1 class B connector & suitable field attachment suitable for following size 5KV grade PVC insulated PVC sheathed single core stranded copper conductor cable confirming to IS:1554 (Part-II) with upto date amendment.	40.00	Set
7.00	Supply of C.I. Isolation Transformer housing box (Double hole type), water tight round type, metal container of outside size 330mm height 450mm made of 10mm thick cast iron moulding suitable to receive a light fitting base plate on the top and underground housing associated with transformer power cable and having a clear hole centre at one side surface centre 75mm above bottom surface suitable to receive one /two nos. of 50mm dia "B" class GI pipe and including check nuts as required and another hole at 175mm from the bottom of the CI Box to receive one no. 15mm dia "B" class GI pipe and check nut as required. The box should have two SS earth bolts of M10 x 30mm tapped inside near the hole (4" away from the hole centre) and having a drain hole at the bottom suitably tapped to receive 15mm dia "B" class GI pipe and having clear opening of 220 mm at the top surface and 6 nos. M10 tapped hole at the hole centre 260 mm to receive fitting base plate and bolts complete as required.	5.00	Each

220.00	22000.00	290.00	29000.00
105.00	31500.00	98.00	29400.00
3200.00	128000.00	3000.00	120000.00
500.00	20000.00	440.00	17600.00
5700.00	28500.00	5400.00	27000.00

22000.00	Techno Electricals
29400.00	Manish Electricals
120000.00	Manish Electricals
17600.00	Manish Electricals
27000.00	Manish Electricals

8.00	Installation of C.I. housing boxes with a base concrete of 1:3:6 of size 630 x 630 x 100 mm thick all round concrete of 1:2:4, 150mm thick, the top sloped with 1:2:4 cement concrete including providing and fixing 250 mm long 15mm dia "B" class GI pipe with check nut for drainage of water including excavation of side shoulder and refilling (wherever the transformers boxes are to be installed in a line the same has to be aligned in such a way that the centre fall in a straight line) etc. complete as required.	5.00	Each
9.00	Laying of one number 1C x 6 sqmm. PVC/ XLPE insulated and PVC sheathed / XLPE power cable of 5 KV grade of following size in the existing RCC/ HUME/ METAL pipe/ HDPE Pipe as required.	160.00	Meter
10.00	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	160.00	Meter
11.00	Making field connections by crimping of 6 sq.mm. plug & receptacle with existing 6 sq.mm. single core PVC Cu. Conductor cable including filling the gap with water sealant material applying PVC insulation tape etc. complete as required.	40.00	Set
12.00	Installation, testing and commissioning of Omni-directional elevated type medium intensity LED type taxiway edge light fitting on the existing transformer (C.I.) housing boxes including installation of transformer, lens, lamps gasket, nut bolts, lens holding clamp and other accessories i/c alignment, levelling, isolation transformer connection, earth connection etc. all complete as required.	40.00	Each
13.00	Providing and laying of following dia G.I. pipe (Medium Class-B) with proper check nuts & G.I. fittings in the existing trench including threading and alignment of pipe with transformer housing box, etc. complete as required. 50 mm dia.	24.00	Meter
14.00	Providing and laying of following dia G.I. pipe (Medium Class-B) with proper check nuts & G.I. fittings in the existing trench including threading and alignment of pipe with transformer housing box, etc. complete as required. 15 mm dia.	24.00	Meter
15.00	Dismantling of existing 4KW CCR & demolishing its foundation and shifting to AAI store etc. complete job as per the satisfaction of Engineer - In - Charge.	2.00	Job
16.00	Dismantling of Omni-directional Elevated type Medium Intensity halogen/LED type taxiway light including Isolation Transformer, connections etc. complete as required as per the direction of Engineer-in-charge.	40.00	Job

3200.00	16000.00	3000.00	15000.00
23.00	3680.00	20.00	3200.00
27.00	4320.00	30.00	4800.00
125.00	5000.00	180.00	7200.00
200.00	8000.00	250.00	10000.00
1000.00	24000.00	950.00	22800.00
295.00	7080.00	780.00	18720.00
2000.00	4000.00	2000.00	4000.00
100.00	4000.00	100.00	4000.00

15000.00	Manish Electricals
3200.00	Manish Electricals
4320.00	Techno Electricals
5000.00	Techno Electricals
8000.00	Techno Electricals
22800.00	Manish Electricals
7080.00	Techno Electricals
4000.00	Techno Electricals, Manish Electricals
4000.00	Techno Electricals, Manish Electricals

17.00	Numbering/ nomenclature of the existing Rwy/ Taxiway/ Turning Pad/ Isolation Bay/ Apron Edge Light fittings after providing around background of 4" dia with Aviation Yellow synthetic enamel paint and numbering with Black synthetic enamel paint on it complete as required as per the direction of Engineer-in-charge.	42.00	Job
18.00	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but with charcoal/ coke and salt) as required.	4.00	Job
19.00	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.	40.00	Job
20.00	Providing and laying in position cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) in foundation of pump, DG set etc including form work etc as required.	1.00	Cum

100.00	4200.00	100.00	4200.00
8000.00	32000.00	7500.00	30000.00
375.00	15000.00	280.00	11200.00
6800.00	6800.00	7000.00	7000.00

4200.00	Techno Electricals, Manish Electricals
30000.00	Manish Electricals
11200.00	Manish Electricals
6800.00	Techno Electricals

Total in Figures

978080.00

975120.00

Lowest Amount Quoted BY: Manish Electricals(975120.00)

Signature Not Verified

Digitally signed by MD SADRUL HUDA
Date: 2025.01.10 15:57:27 IST
Location: eProcurement System for Central PSUs