

Government eProcurement System Created By: NARASIMHA PRASAD Created Date/Time: 04-Mar-2021 11:35 AM Tender Title: Replacement of Fans, Re-wiring and other allied Electrical works in AAI Quarters and SITC of Water Purifier cum Coolers at Jorhat Airport Tender ID: 2021_AAI_70264_1
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Tender Inviting Authority: MANAGER (ENGG-ELECT), AAI, JORHAT AIRPORT, JORHAT

Name of Work: Replacement of Fans, Re-wiring and other allied Electrical works in AAI Quarters and SITC of Water Purifier cum Coolers at Jorhat Airport

Contract No: 2021_AAI_70264_1

SCHEDULE OF WORK / ITEM(S)

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	M/s North East Electricals(GSTN-18AGL PD8831B1Z1)		SATYAJIT BORUAH(GSTN-18AGZPB7946B1Z1)		Awasthi Electric Works(GSTN-09ABAPA1866D1Z5)	
					Rate	Amount	Rate	Amount	Rate	Amount
1.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. (Group - A)	18.00	Point	0.00	650.00	11700.00	650.00	11700.00	600.00	10800.00
2.00	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	50.00	Meter	0.00	65.00	3250.00	65.00	3250.00	190.00	9500.00
3.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.									
3.10	a.2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	105.00	Meter	0.00	70.00	7350.00	70.00	7350.00	200.00	21000.00
3.20	b.2 X 4 sq. mm + 1 X 4 sq. mm earth wire	70.00	Meter	0.00	80.00	5600.00	80.00	5600.00	200.00	14000.00
3.30	c.2 X 6 sq. mm + 1 X 6 sq. mm earth wire	80.00	Meter	0.00	90.00	7200.00	90.00	7200.00	250.00	20000.00

L1 Amount	L1 Vendor
10800.00	Awasthi Electric Works
3250.00	M/s North East Electricals, SATYAJIT BORUAH

7350.00	M/s North East Electricals, SATYAJIT BORUAH
5600.00	M/s North East Electricals, SATYAJIT BORUAH
7200.00	M/s North East Electricals, SATYAJIT BORUAH

4.00	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required. (Group A)	89.00	Point	0.00	500.00	44500.00	500.00	44500.00	500.00	44500.00
5.00	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit including dismantling of existing wire etc., as required									
5.10	a.3 x 2.5 sq. mm	470.00	Meter	0.00	120.00	56400.00	120.00	56400.00	80.00	37600.00
5.20	b.3 x 4 sq. mm	220.00	Meter	0.00	180.00	39600.00	180.00	39600.00	120.00	26400.00
5.30	c.3 x 6 sq. mm	50.00	Meter	0.00	240.00	12000.00	240.00	12000.00	150.00	7500.00
6.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	14.00	Each	0.00	75.00	1050.00	75.00	1050.00	260.00	3640.00
7.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	7.00	Each	0.00	90.00	630.00	90.00	630.00	325.00	2275.00
8.00	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	10.00	Each	0.00	30.00	300.00	30.00	300.00	35.00	350.00
9.00	Supplying and fixing brass batten/ angle holder including connection etc. as required.	23.00	Each	0.00	20.00	460.00	20.00	460.00	100.00	2300.00

44500.00	M/s North East Electricals, SATYAJIT BORUAH, Awasthi Electric Works
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37600.00	Awasthi Electric Works
26400.00	Awasthi Electric Works
7500.00	Awasthi Electric Works
1050.00	M/s North East Electricals, SATYAJIT BORUAH
630.00	M/s North East Electricals, SATYAJIT BORUAH
300.00	M/s North East Electricals, SATYAJIT BORUAH
460.00	M/s North East Electricals, SATYAJIT BORUAH

10.00	Supplying and fixing of 4 way (4 + 12), Double door way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) (Make HAVELLS Model No: DHDNTHCDPW04)	2.00	Each	0.00	5500.00	11000.00	5500.00	11000.00	2800.00	5600.00
11.00	Supplying and fixing of 6 way (4 + 18), Double door way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) (Make HAVELLS Model No: DHDNTHCDPW06)	1.00	Each	0.00	6000.00	6000.00	6000.00	6000.00	3400.00	3400.00
12.00	Supplying and fixing of 6 way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) (Make HAVELLS Model No: DHDQSHODPW06)	6.00	Each	0.00	2000.00	12000.00	2000.00	12000.00	1300.00	7800.00
13.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.									
13.10	a. 5-32A Single pole	23.00	Each	0.00	250.00	5750.00	250.00	5750.00	190.00	4370.00
13.20	b. 5-32 Double pole	7.00	Each	0.00	500.00	3500.00	500.00	3500.00	700.00	4900.00
13.30	c. 40A TPN MCB	3.00	Each	0.00	1000.00	3000.00	1000.00	3000.00	1300.00	3900.00
14.00	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 A "C" curve, SPN MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	5.00	Each	0.00	1800.00	9000.00	1800.00	9000.00	1100.00	5500.00

5600.00	Awasthi Electric Works
3400.00	Awasthi Electric Works
7800.00	Awasthi Electric Works

4370.00	Awasthi Electric Works
3500.00	M/s North East Electricals, SATYAJIT BORUAH
3000.00	M/s North East Electricals, SATYAJIT BORUAH
5500.00	Awasthi Electric Works

15.00	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	10.00	Each	0.00	15.00	150.00	15.00	150.00	25.00	250.00
16.00	Supplying of Single Phase two wire Energy meter, 6 digit LCD display , 230V/240V rated voltage, 5-40A rated current, 50 Hz 4 quadrant energy measurement of Kwh & KVAh, without RS 232/IR/IRDA/RF(2-4GHz/865-867 MHz) optical connection interface suitable for domestic 1 Phase Energy measurement etc. (Make:L&T/ SECURE Model: EM101+/Saral)	10.00	Each	0.00	800.00	8000.00	800.00	8000.00	1950.00	19500.00
17.00	Supplying of Three Phase Four wire Energy meter, 6 digit LCD display , 3X230V/240V rated voltage, 10-60A rated current, 50 Hz, 4 quadrant energy measurement of Kwh & KVAh, without RS 232/IR/IRDA/RF(2-4GHz/865-867 MHz) optical connection interface suitable for domestic 1 Phase Energy measurement etc. (Make:L&T/ SECURE Model: ER300P/Sprint 350)	2.00	Each	0.00	1800.00	3600.00	1800.00	3600.00	5100.00	10200.00
18.00	Fixing of Three phase/Single phase energy meters along with interconnections etc., complete as required.	8.00	Each	0.00	500.00	4000.00	500.00	4000.00	200.00	1600.00
19.00	Supply of 4 X 16 Sqmm size of XLPE insulated PVC sheathed, Copper conductor armoured, power cable of 1.1 KV grade conforming to IS 7098 (Part I), 1988 with upto date amendments complete as required.	90.00	Meter	0.00	150.00	13500.00	150.00	13500.00	560.00	50400.00
20.00	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	70.00	Meter	0.00	80.00	5600.00	80.00	5600.00	100.00	7000.00
21.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HDPE/ HUME/ METAL pipe as required.	20.00	Meter	0.00	100.00	2000.00	100.00	2000.00	50.00	1000.00
22.00	Supplying and making end termination with brass compression gland and aluminium lugs for 4X 16 sq. mm (28 mm) size of PVC insulated and PVC sheathed/XLPE Copper conductor armoured power cable of 1.1 KV grade as required.	4.00	Each	0.00	300.00	1200.00	300.00	1200.00	300.00	1200.00

150.00	M/s North East Electricals, SATYAJIT BORUAH
8000.00	M/s North East Electricals, SATYAJIT BORUAH
3600.00	M/s North East Electricals, SATYAJIT BORUAH
1600.00	Awasthi Electric Works
13500.00	M/s North East Electricals, SATYAJIT BORUAH
5600.00	M/s North East Electricals, SATYAJIT BORUAH
1000.00	Awasthi Electric Works
1200.00	M/s North East Electricals, SATYAJIT BORUAH, Awasthi Electric Works

23.00	Excavation of the cable trenches in hard rock not exceeding 1.5 metres in width, and lift upto 1.5 metres, including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50 metres.	6.00	Cum	0.00	1000.00	6000.00	1000.00	6000.00	400.00	2400.00
24.00	Providing and laying in position cement concrete 1:3:6 (1 cement : 2 coarse sand : 6 graded stone aggregate 40 mm nominal size) including form work etc as required.	1.00	Cum	0.00	1500.00	1500.00	1500.00	1500.00	7000.00	7000.00
25.00	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	25.00	Meter	0.00	450.00	11250.00	450.00	11250.00	500.00	12500.00
26.00	Supply of indoor surface mounting 20 W±10% (nominal capacity), 1200 mm length LED light fitting efficacy of not less than 120 lumens/W, complete with LED tube rod, accessories etc and suitable for use on 230 volts, 50 Hz, single phase, A.C. supply as required. (Make:- Havells, Model - LHEXBPININ1W020, 6000 K or similar equivalent of approved makes)	10.00	Each	0.00	300.00	3000.00	300.00	3000.00	550.00	5500.00
27.00	Supply of LED street light LED 40W ±10% (nominal) of minimum efficiency of not less than 120 lumens/W, luminaire IP65 including driver; heat sink, prismatic polycarbonate cover with individual LED lenses etc , 30-40mm OD for pipe bracket, PF>= 0.95prewired, suitable for operations at 230+/-10% Volts, 50 Hz. complete as required. (Havells Model No. ENDURAPEARLNEOSL40WLED757PASYPOTOPC or similar equivalent of approved makes)	4.00	Each	0.00	2000.00	8000.00	2000.00	8000.00	2400.00	9600.00
28.00	Supply of LED bulb light LED 9W ±10% (nominal) of minimum efficiency of not less than 120 lumens/W, luminaire IP65 including driver; heat sink, prismatic polycarbonate cover with individual LED lenses etc , 30-40mm OD for pipe bracket, PF>= 0.95prewired, suitable for operations at 230+/-10% Volts, 50 Hz. complete as required. (Havells Make or similar equivalent of approved makes)Model No:LHLDEUHEML8R009	22.00	Each	0.00	100.00	2200.00	100.00	2200.00	150.00	3300.00
29.00	Installation, testing and commissioning of pre-wired, fluorescent fitting/ compact fluorescent fitting/ LED luminaire of all types, complete with all accessories and tube/lamp etc , directly on ceiling/wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	14.00	Each	0.00	200.00	2800.00	200.00	2800.00	150.00	2100.00

2400.00	Awasthi Electric Works
1500.00	M/s North East Electricals, SATYAJIT BORUAH
11250.00	M/s North East Electricals, SATYAJIT BORUAH
3000.00	M/s North East Electricals, SATYAJIT BORUAH
8000.00	M/s North East Electricals, SATYAJIT BORUAH
2200.00	M/s North East Electricals, SATYAJIT BORUAH
2100.00	Awasthi Electric Works

30.00	Supplying and Fixing of 32mm dia x 2.00 mtrs long GI pipe (medium class) bracket for mounting of flourescent/HPMV/HPSV/LED street light fitting on pole including bending the pipe in required shape, 2nos. 40mm x 3mm flat iron clamps with nuts and bolts and washer, painting the flat with primer and finish paint etc as required.	4.00	Each	0.00	1500.00	6000.00	1500.00	6000.00	900.00	3600.00
31.00	Supply of 5 star rating BEE labelled 1200 mm sweep ceiling fan 32W (BLDC)with double ball bearing, aluminium pressure die cast body with aluminium blades, canopies, hanging shackle, 30 cm downroad without speed regulator suitable for operations at 230+/-10% Volts, 50 Hz etc., complete as required. Make: USHA 1200MM ENERGIA 32(BLDC) 5 STAR, Orient 1200 mm Hector 32W 5star , Havells Efficencia (BLDC 32W) or equivalent	15.00	Each	0.00	2500.00	37500.00	2500.00	37500.00	2400.00	36000.00
32.00	Supplying and fixing two module stepped piano type electronic fan regulator on the existing switch box including connections etc. as required.	15.00	Each	0.00	150.00	2250.00	150.00	2250.00	300.00	4500.00
33.00	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	15.00	Each	0.00	250.00	3750.00	250.00	3750.00	50.00	750.00
34.00	Supply of 300mm sweep 900 rpm medium duty exhaust fan suitable for 230V, 50 Hz AC supply complete with motor, capacitors, and all accessories as required along with suitable GI Louvers.(Make: Crompton, Almonard, Bajaj, Khaitan)	8.00	Each	0.00	1450.00	11600.00	250.00	2000.00	2500.00	20000.00
35.00	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. Upto 300 mm sweep	8.00	Each	0.00	250.00	2000.00	250.00	2000.00	500.00	4000.00
36.00	Fixing the louvers/ shutters complete with frame for a exhaust fan of 300mm sizes.	8.00	Each	0.00	400.00	3200.00	400.00	3200.00	200.00	1600.00
37.00	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.	30.00	Meter	0.00	280.00	8400.00	300.00	9000.00	120.00	3600.00
38.00	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.	50.00	Meter	0.00	60.00	3000.00	50.00	2500.00	30.00	1500.00

3600.00	Awasthi Electric Works
36000.00	Awasthi Electric Works
2250.00	M/s North East Electricals, SATYAJIT BORUAH
750.00	Awasthi Electric Works
2000.00	SATYAJIT BORUAH
2000.00	M/s North East Electricals, SATYAJIT BORUAH
1600.00	Awasthi Electric Works
3600.00	Awasthi Electric Works
1500.00	Awasthi Electric Works

39.00	Supply, Installation, Testing & Commissioning of 80 ltrs storage with 60LPH with inbuilt 3 stage UV purifier full body and tank of stainless steel (SS-304 grade, 0.8mm Thickness) and temperature adjustable cooler with 02 faucets with normal and cold water, along with 24 inch external industrial iron removal filter and Pre-filter suitable for operation on 230 volts +/- 10%, 50 Hz single phase AC supply complete with all accessories including suitable MS Stand as required (Make : Eureka Forbes, Blue Star or Equivalent) (Model: Aquaguard Green Pure chill 80 PSS UV), Blue star Model No:SWCSDLX6080UVE.	3.00	Each	0.00	72000.00	216000.00	73000.00	219000.00	85000.00	255000.00
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216000.00	M/s North East Electricals
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Total in Figures

606790.00

600290.00

699435.00

Lowest Amount Quoted BY: SATYAJIT BORUAH(600290.00)

BOQ Summary Details Tender Title: Replacement of Fans, Re-wiring and other allied Electrical works in AAI Quarters and SITC of Water Purifier cum Coolers at Jorhat Airport Tender ID: 2021_AAI_70264_1				
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Sheet Name	Sl.No	Bidder Name	Amount	Bid Rank
BoQ1	1	SATYAJIT BORUAH	600290.00	L1
	2	M/s North East Electricals	606790.00	L2
	3	Awasthi Electric Works	699435.00	L3

Signature Not Verified

Digitally signed by A Narasimha Prasad
Date: 2021.03.11 17:16:41 IST
Location: eProcurement System for Central PSUs

