

COMPARATIVE STATEMENT

NAME OF WORK :- (ARMO 2020-21) Annual Operation & Maintenance Contract for E & M Installations at C. A. Rajkot.

It. No.	Description of item	Unit	Qty	Justified Cost		M/s. Manish Electricals, Gwalior. (1 / 5)		M/s. Centre-Tap Engineering, Ahmedabad. (2 / 5)		M/s. Taral Electricals, Rajkot. (3 / 5)		M/s. Abhishek Associates, Ahmedabad. (4 / 5)		M/s. Doshi Electric Engg. Co, Rajkot. (5 / 5)	
				RATE	AMT	RATE	AMT	RATE	AMT	RATE	AMT	RATE	AMT	RATE	AMT
1	Operation & Maintenance of Electrical & Mechanical Installations of operational & non-operational areas of the Airport including GLF, CCR Panels, conveyor belts involving operation of conveyors, pump sets involving operation of pumps and minor repairing as per specification & conditions attached, attending to complaints / faults / breakdowns ensuring serviceability, satisfactory working condition of the system / preventive maintenance, maintenance of records/ documentation etc. as	Month	12.00	376317.00	4515804.00	365000.00	4380000.00	375000.00	4500000.00	335000.00	4020000.00	330555.00	3966660.00	345000.00	4140000.00
2	Providing services for office assistance including computer operating, up keeping of records, etc. on all days excluding Sundays and holidays also as and when required. (Highly Skilled-1; Un-Skilled-1)	Month	12.00	40337.00	484044.00	42000.00	504000.00	36000.00	432000.00	38000.00	456000.00	38222.00	458664.00	40000.00	480000.00
3	Inspection, servicing and testing of following Electrical Installations and preventive maintenance through authorised service agent and submission of test reports. A) Air Circuit Breaker 800AMP.	Each	3.00	3000.00	9000.00	10500.00	31500.00	3000.00	9000.00	2400.00	7200.00	3500.00	10500.00	4000.00	12000.00
4	Testing, servicing, adjustment, calibration and submission of calibration certificate of following instruments including minor repair etc. compete as required. a) Voltmeter Digital/Analogue suitable for AC supply.	Each	8.00	425.00	3400.00	1500.00	12000.00	700.00	5600.00	400.00	3200.00	500.00	4000.00	300.00	2400.00
5	Testing, servicing, adjustment, calibration and submission of calibration certificate of following instruments including minor repair etc. compete as required. b) Ammeter Digital/Analogue suitable for AC supply.	Each	30.00	425.00	12750.00	800.00	24000.00	700.00	21000.00	400.00	12000.00	500.00	15000.00	300.00	9000.00
6	Testing, servicing, adjustment, calibration and submission of calibration certificate of following instruments including minor repair etc. compete as required. c) Power Factor (cos Ø) Meter Digital/Analogue of range 0.5 lag - 1 0.5 lead, 96mm x 96mm	Each	4.00	700.00	2800.00	1500.00	6000.00	700.00	2800.00	700.00	2800.00	500.00	2000.00	500.00	2000.00
7	Testing, servicing, adjustment, calibration and submission of calibration certificate of following instruments including minor repair etc. compete as required. d) Clinometer	Each	1.00	2000.00	2000.00	9000.00	9000.00	2000.00	2000.00	1850.00	1850.00	15000.00	15000.00	500.00	500.00
8	Testing, servicing, adjustment, calibration and submission of calibration certificate of following instruments including minor repair etc. compete as required. e) Digital Lux meter, Make-Mextech LX-1010B, Range-2000-50000 lux	Each	1.00	800.00	800.00	1500.00	1500.00	2000.00	2000.00	600.00	600.00	500.00	500.00	500.00	500.00
9	Testing, servicing, adjustment, calibration and submission of calibration certificate of following instruments including minor repair etc. compete as required. f) Electronic Digital Micrometre, Make- Aerospace, Range-0-25 mm, Accuracy-0.001mm	Each	1.00	800.00	800.00	1500.00	1500.00	1000.00	1000.00	600.00	600.00	500.00	500.00	500.00	500.00
10	Testing, servicing, adjustment, calibration and submission of calibration certificate of following instruments including minor repair etc. compete as required. g) Digital vernier caliper, Make-Yuri, Range-200x.01mm	Each	1.00	800.00	800.00	1500.00	1500.00	1000.00	1000.00	600.00	600.00	500.00	500.00	500.00	500.00
11	Testing, servicing, adjustment, calibration and submission of calibration certificate of following instruments including minor repair etc. compete as required. h) Earth resistance tester	Each	1.00	800.00	800.00	2000.00	2000.00	500.00	500.00	600.00	600.00	500.00	500.00	500.00	500.00
12	Testing, servicing, adjustment, calibration and submission of calibration certificate of following instruments including minor repair etc. compete as required. i) Earth resistance	Each	1.00	800.00	800.00	2000.00	2000.00	500.00	500.00	600.00	600.00	500.00	500.00	500.00	500.00
13	Testing, servicing, adjustment, calibration and submission of calibration certificate of following instruments including minor repair etc. compete as required. j) Insulation tester	Each	1.00	500.00	500.00	2000.00	2000.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00
14	Testing, servicing, adjustment, calibration and submission of calibration certificate of following instruments including minor repair etc. compete as required. k) Clamp meter	Each	1.00	800.00	800.00	1500.00	1500.00	500.00	500.00	600.00	600.00	500.00	500.00	500.00	500.00
15	Supply of tested transformer oil for topping up the transformer as required.	Ltr	20.00	90.00	1800.00	180.00	3600.00	200.00	4000.00	115.00	2300.00	100.00	2000.00	125.00	2500.00
16	Maintenance, Servicing and rectification of faults in CCR (4 KW to 20 KW) by hiring OEM engineer i/c. replacing minor spares etc. complete as required as per actual site requirement.	Each	5.00	15000.00	75000.00	15000.00	75000.00	5000.00	25000.00	18500.00	92500.00	5000.00	25000.00	10000.00	50000.00

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				RATE	AMT	RATE	AMT	RATE	AMT	RATE	AMT	RATE	AMT	RATE	AMT
17	Pin pointing the cable fault with the help of HV fault locator equipment for the existing LT armoured under ground cable laid in soil etc as required at site and as directed by Engineer In Charge i/c transportation of the fault locator equipment for the LT Cable size 3 core/3.5 core/4 core & upto 400 sq.mm.(Max one fault will be count in 100mtr cable piece if more than one fault find)	Each	4.00	10000.00	40000.00	18000.00	72000.00	10000.00	40000.00	11000.00	44000.00	12000.00	48000.00	11000.00	44000.00
18	Illumination through decorative lighting of Rajkot Airport for celebration of various festivals Decorating the existing plants / side poles / walls on both sides of the entry and exit roads of Rajkot Airport by providing different colours of 'Gel rice' / LED light string of 8-10 mtrs length including making connection & interconnection from nearest supply point complete as per actual site requirements for a period of 4 days and removing and taking back the same after completion of occassion period. (Qty - 100 Each) Decoration of the trees infront of terminal building and ceiling of terminal building by providing coloured LED flood light fittings to achieve coloured pattern including making connection & interconnection from nearest supply point complete as per actual site requirements for a period of 4 days and removing and taking back the same after completion of occassion period. (Qty - 50 Each) Decoration of canopy pillars / poles of approx. 4 mtrs height by providing multicolour LED spiral light string including making connection & interconnection from nearest supply point complete as per actual site requirements for a period of 4 days and removing and taking back the same after completion of occassionperiod. (Qty - 20 sets) Decoration of periphery of Terminal building by providing pixel LED light operated with software programming to produce lighting effects / patterns including making connection & interconnection from nearest supply point complete as per actual site requirements for a period of 4 days removing and taking back the same after completion of occassion period. (Qty - 3600 Mtr) Providing and hanging decorative lighted 'Paper Globes' at various locations inside terminal building including making connection & interconnection from nearest	Job	4	360000.00	1440000.00	35000.00	140000.00	100000.00	400000.00	235000.00	940000.00	300000.00	1200000.00	255000.00	1020000.00
19	Servicing, repairing, rewinding and replacement of defective bearings / bushing of ceiling fan /wall fan including transporting from site to contractors workshop & back to site, testing and commissioning etc. complete as required. (Dismantle material belongs to Contractor)	Each	20.00	150.00	3000.00	500.00	10000.00	150.00	3000.00	150.00	3000.00	200.00	4000.00	500.00	10000.00
20	Repairing of 7.5 HP submersible pump including lifting from borewell and lowering the pump in borewell at airport site etc. as required.	Job	2.00	4700.00	9400.00	9000.00	18000.00	5000.00	10000.00	2999.00	5998.00	6000.00	12000.00	10000.00	20000.00
21	Supply, Fabrication, Fixing & painting of M.S. angle/flat/channel/ pipe/plate structure as per requirement for high mast lattice structure, L.T./ Distribution panels, feeder pillars, base plates, earth pit locators, trench covers etc. at site complete with one coat of red oxide primer & two coats of synthetic enamel paint all as reqd. & as directed by engineer-in-charge.	Kg.	200.00	70.00	14000.00	120.00	24000.00	70.00	14000.00	50.00	10000.00	60.00	12000.00	125.00	25000.00
22	Lettering with synthetic enamel paint as per the direction of E.I.C. (The measurement will be done as per civil DSR 2016 Per Letter per CM height basis)	Each	5000.00	4.00	20000.00	50.00	250000.00	1.00	5000.00	4.00	20000.00	3.00	15000.00	50.00	250000.00
23	Servicing, repairing, rewinding and replacement of defective bearings / bushing of exhaust fan up to 400 mm sweep including transporting from site to contractors workshop & back to site, testing and commissioning etc. complete as required. (Dismantle material belongs to Contractor)	Each	4.00	300.00	1200.00	800.00	3200.00	400.00	1600.00	150.00	600.00	300.00	1200.00	700.00	2800.00
24	Complete items of CPWD SCHEDULE OF RATES (ELECTRICAL)-PART I & II, DSR-2018 as and when required as per site. (Rates Shall be quoted in multiples e.g. 0.99 or 1.01% Below / Above, correspondingly amount shall be 2,00,000 x 0.99 = 1,98,000 or 2,00,000 x 1.01 = 2,02,000)	Rs.	200000.00	1.00	200000.00	1.10	220000.00	1.00	200000.00	0.85	170000.00	0.84	168000.00	0.80	160000.00
25	Maintenance, servicing & upkeeping of automatic air curtains i/c minor repairs, replacement of faulty spares parts (to be supplied by AAI) painting all as reqd. & as specified (Total no. of aircurtains = 10 nos.)	Month	12.00	2000.00	24000.00	5000.00	60000.00	1000.00	12000.00	700.00	8400.00	1500.00	18000.00	1000.00	12000.00

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				RATE	AMT	RATE	AMT	RATE	AMT	RATE	AMT	RATE	AMT	RATE	AMT
26	Annual Maintenance of platform type electronic weighing scale, i/c remote display unit installed at departure area by attending any numbers of breakdown calls including carrying out of Government stamping/ Calibration, repairing/ replacement of PCB, Repair or Replacement of working parts, necessitated by fair wear and tear such as Key sheets, Rubber legs, "O" Rings, Fasteners, Electronic components, Transformer, adaptor, Solenoid coil and cables etc, taking rectification action, ensuring servicing/ satisfactory working condition of the system as per the detailed specifications, terms & conditions covered under this contract (Each one job/set per year).	Each	7.00	1500.00	10500.00	7000.00	49000.00	1000.00	7000.00	500.00	3500.00	1000.00	7000.00	3000.00	21000.00
	Total Rs.				6873998.00		5903300.00		5700000.00		5807448.00		5987524.00		6266700.00
	Say Rs.				6873998.00		5903300.00		5700000.00		5807448.00		5987524.00		6266700.00
							14.12% Below JC		17.08% Below JC		15.52% Below JC		12.9% Below JC		8.83% Below JC
							L-3		L-1		L-2		L-4		L-5

Signature Not Verified

Digitally signed by Sunil Kumar Gupta
Date: 2020.03.18 12:04:53 IST
Location: eProcurement System for Central PSUs