

Envelope II - Comparative Statement

Name of Work: Provision of Perimeter Lighting at Puducherry Airport. SH: Phase - I

Tender ID : 2022_AAI_131452_1

Envelope II opened on: 14.12.2022

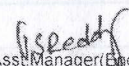
Sl.No	Description	QTY	UNIT	Estimate cost		1/11		2/11		3/11		4/11		5/11		6/11	
						M/s. POWER ELECTRICAL WORKS		M/s. CHANDRA REDDY ELECTRICALS		M/s.R.K.M. ELECTRICALS		M/s. Bajaj Electricals Limited		M/s. Balaji Engineering		M/s. HPL Electric and Power Limited	
				Rate in Rs. (Excl GST)	Amount	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)
1.00	Supply of following size of XLPE insulated PVC sheathed Aluminium conductor armoured power cable of 1.1 KV grade conforming to IS-7098 Part-I as amended upto date complete etc., as required.																
1.01	a) 3.5 core x 300 Sq.mm	3765.00	M	1,864.00	70,17,960.00	1141.00	42,95,865.00	1197.00	45,06,705.00	1450.00	5459250	1335.00	50,26,275.00	1400.00	52,71,000.00	1124.00	42,31,860.00
1.02	b) 3.5 core x 95 Sq.mm	675.00	M	641.00	4,32,675.00	392.00	2,64,600.00	420.00	2,83,500.00	500.00	337500	482.00	3,25,350.00	600.00	4,05,000.00	388.00	2,61,900.00
1.03	c) 4 core x 16 Sq.mm	5034.00	M	191.00	9,61,494.00	119.00	5,99,046.00	116.00	5,83,944.00	150.00	755100	139.00	6,99,726.00	200.00	10,06,800.00	114.00	5,73,876.00
2.00	Supply of Street light luminaire having minimum 4400 lumens with minimum efficacy of 110 lumen/Watt, CCT 5700K and made of pressure diecast aluminium housing body, front glass, IP 66 suitable for operation at 230 V +/- 10%, Single phase AC supply complete etc., as required.	106.00	EACH	2,471.00	2,61,926.00	1898.00	2,01,188.00	1955.00	2,07,230.00	5000.00	530000	1615.00	1,71,190.00	2750.00	2,91,500.00	1440.00	1,52,640.00
3.00	Supply of LED Flood Light Luminaire having minimum 3300 lumens with minimum efficacy of 110 lumen/Watt, CCT 5700K and made of pressure diecast aluminium housing body, front glass, IP 66 suitable for operation at 230 V +/- 10%, Single phase AC supply complete etc., as required.	91.00	EACH	2,323.00	2,11,393.00	2128.00	1,93,648.00	1610.00	1,46,510.00	3500.00	318500	1198.00	1,09,018.00	3000.00	2,73,000.00	1180.00	1,07,380.00
4.00	Supply of following OD HDPE Pipe of PE 80 PN 6 ISI Marked along with all accessories like HDPE socket, bend, tees, couplers etc., conforming to IS 4984 complete etc., as required. (Qty to be supplied as per actual Laying Requirement only)																
4.01	a) 125 mm	3765.00	M	599.00	22,55,235.00	481.00	18,10,965.00	680.00	25,60,200.00	700.00	2635500	456.00	17,16,840.00	200.00	7,53,000.00	468.00	17,62,020.00
4.02	b) 75 mm	675.00	M	221.00	1,49,175.00	178.00	1,20,150.00	245.00	1,65,375.00	200.00	135000	168.00	1,13,400.00	150.00	1,01,250.00	179.00	1,20,825.00
4.03	c) 50 mm	5034.00	M	94.00	4,73,196.00	80.00	4,02,720.00	120.00	6,04,080.00	90.00	453060	75.00	3,77,550.00	75.00	3,77,550.00	77.00	3,87,618.00
5.00	Supply, Installation, Testing and Commissioning of MV Switch Board Outdoor Type Main Feeder Pillar made out of 3mm thick CRCA Sheet Steel for outer Shell (width not less than 450 mm) and 2mm thick CRCA Sheet for inner partition, dust tight, vermin proof, totally enclosed, cubicle type, floor mounting, free standing suitable for operation at 433 V, 3 Phase, 4 Wire, 50 Hz AC System complete with all accessories, interconnection, connection, earthing, painting, provided with bottom base channel and locking arrangements including excavation for foundation, providing foundation, suitable RCC pedestal up to 600 mm (400 mm BGL and 200 mm AGL), fixing of panel etc. complete as required and comprising of the following:																
5.01	Two Nos. of 250 A, 50 KA, 4P MCCB with Microprocessor Based Releases (L&T MTX 2.0 / Equivalent) for OC/SC/EF Protection and ROM as INCOMER with resin cast C.T. operated Digital Meter (EM 6400 of Conserve/Equivalent), ON/OFF/TRIP Indication Lamps, Phase Indication Lamps, mechanical castile interlock as required.																
5.02	3 Nos. of 100 A, 36 KA, 4P MCCB with TM Releases for OC/SC Protection and ROM as Outgoings, with ON/OFF/TRIP Indication Lamps and Phase Indication Lamps as required.																
5.03	Three Nos of 63 A, 36 KA, 4P MCCB with TM Releases for OC/SC Protection and ROM as Outgoings each having 4P Contactor of 40 Amps rating and 24 Hours Digital Timer for Automatic Control of Perimeter Lighting, ON/OFF/TRIP Indication Lamps and Phase Indication Lamps as required.																
5.04	One Set of 400 Amps Al. Bus Bars with at Par Neutral Bus Bars as required.																
5.05	All accessories such as fuses, auxillary contactors, auxillary switches, etc. as required.																
5.06	(a) to (e) above - 1 Job	2.00	JOB	4,25,210.00	8,50,420.00	481800.00	9,63,600.00	344410.00	6,88,820.00	275000.00	550000	406275.00	8,12,550.00	400000.00	8,00,000.00	431730.00	8,63,460.00

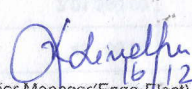
Sl.No	Description	QTY	UNIT	Estimate cost		1/11		2/11		3/11		4/11		5/11		6/11	
						M/s. POWER ELECTRICAL WORKS		M/s. CHANDRA REDDY ELECTRICALS		M/s.R.K.M. ELECTRICALS		M/s. Bajaj Electricals Limited		M/s. Balaji Engineering		M/s. HPL Electric and Power Limited	
				Rate in Rs. (Excl GST)	Amount	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)
6.00	Supply, Installation, Testing and Commissioning of MV Switch Board Outdoor Type Sub Feeder Pillar made out of 3mm thick CRCA Sheet Steel for outer Shell (width not less than 350 mm) and 2mm thick CRCA Sheet for inner partition, dust tight, vermin proof, totally enclosed, cubicle type, floor mounting, free standing suitable for operation at 433 V, 3 Phase, 4 Wire, 50 Hz AC System complete with all accessories, interconnection, connection, earthing, painting, provided with bottom base channel and locking arrangements including excavation for foundation, providing foundation, suitable RCC pedestal up to 600 mm (400 mm BGL and 200 mm AGL), fixing of panel etc. complete as required and comprising of the following:																
6.01	Two No. of 100 A, 36 KA, 4P MCCB with TM Releases for OC/SC Protection and ROM as INCOMER with resin cast C.T. operated Digital VAF Meter (EM 6459 of Conzerve/Equivalent), ON/OFF/TRIP Indication Lamps and Phase Indication Lamps, mechanical castle interlock etc as required.																
6.02	1 No. of 63 A, 36 KA, 4P MCCB with TM Releases for OC/SC Protection and ROM as Outgoings, with ON/OFF/TRIP Indication Lamps and Phase Indication Lamps as required.																
6.03	3 Nos of 63 A, 36 KA, 4P MCCB with TM Releases for OC/SC Protection and ROM as Outgoings each having 4P Contactor of 40 Amps rating and 24 Hours Digital Timer for Automatic Control of Perimeter Lighting, ON/OFF/TRIP Indication Lamps and Phase Indication Lamps as required.																
6.04	One Set of 200 Amps Al. Bus Bars with at Par Neutral Bus Bars as required.																
6.05	All accessories such as fuses, auxillary contactors, auxillary switches etc. as required.																
6.06	(a) to (e) above - 1 Job	1.00	JOB	1,97,980.00	1,97,980.00	300632.00	3,00,632.00	259297.00	2,59,297.00	225000.00	225000	261757.00	2,61,757.00	350000.00	3,50,000.00	324380.00	3,24,380.00
7.00	Fabrication and SITC of tubular swaged pole consisting of one section with 5.4 mm thick & 114.3 mm outer dia MS pole for 1 Mtr length with door and lock provision, providing and fixing 1 No. 5-32 Amps 'C' Series DP MCB and 63A 4 way connector inside the door, 16mm thick base plate of dimension 250mm x 250mm, 4 Nos of 12mm dia 500 mm long GI foundation bolts and nuts, Bottom Section welded with Top section of tubular swaged pole of 4.85 mm thick & 88.9 mm outer dia for length upto 1.5 Mtr (Total Length of second section Pole shall be restricted to the Height of Concertina coil on boundary wall) with MS channel of suitable size for mounting LED fixture, and painted with one coat of zinc chromate primer and two coats of polyurethane paint of approved colour complete including providing RCC Pole Foundation with 1:2:4 CC of Size 30cmX30cmX100cm (D) (80cm BGL and 20cm AGL) (Or as per OEM Specification whichever is better), excavation, positioning template and foundation bolts, providing and fixing 2 Nos. of PE 63 PN 6 40mm OD HDPE Pipe of required lenght in foundation for loop in loop out cable, refilling, levelling surface, pole numbering etc., as required.	91.00	JOB	11,034.00	10,04,094.00	11785.00	10,72,435.00	13500.00	12,28,500.00	15000.00	1365000	9505.00	8,64,955.00	10000.00	9,10,000.00	7777.00	7,07,707.00
8.00	Fabrication and SITC of 5 Mtrs height Octagonal Hot Dip GI street light pole of thickness 4 mm and single arm bracket of thickness 3mm and length upto 500mm suitable for mounting single street light luminarie complete with 16mm thick base plate of dimension 250mm x 250mm, 4 Nos of 24mm dia 600 mm long GI J foundation bolts with template, washer nuts, anchor plates, earthing stud including providing and fixing 1 No. 5-32 Amps 'C' Series DP MCB and 63 Amps 4 way connector in the bottom with door and lock provision including providing RCC Pole Foundation with 1:2:4 CC of Size 50cmX50cmX150cm (D) (120cm BGL and 30cm AGL) (Or as per OEM Specification whichever is better), excavation, positioning template and foundation bolts, providing and fixing 2 Nos. of PE 63 PN 6 40mm OD HDPE Pipe of required lenght in foundation for loop in loop out cable, refilling, levelling surface, pole numbering etc., as required.	106.00	JOB	22,649.00	24,00,794.00	14000.00	14,84,000.00	21000.00	22,26,000.00	14500.00	1537000	19628.00	20,80,568.00	10000.00	10,60,000.00	14883.00	15,77,598.00
9.00	Supply and laying of 150 mm dia 'B' Class GI Pipe in concrete/bitumen road crossing for cable crossing/laying by cutting the bitumen/concrete of suitable size for laying the pipe, excavation of soil upto total depth of 600 mm BGL, threading, cutting, jointing of pipe, refilling earth and providing top with bitumen mix/concrete as per original depth and making good the surface matching with original finish etc., as required.	100.00	M	1,941.00	1,94,100.00	2640.00	2,64,000.00	2084.00	2,08,400.00	3000.00	300000	3919.00	3,91,900.00	1800.00	1,80,000.00	3305.00	3,30,500.00
10.00	Laying of following size HDPE pipe with all accessories complete with fitting, cutting, jointing etc., direct in ground at a depth of 0.75m and width of 0.35m below the ground level i/c excavation and refilling the trench but excluding sand cushioning and protective covering etc., as required.																
10.01	125 mm OD HDPE Pipe	3705.00	M	156.00	5,77,980.00	204.00	7,55,820.00	170.00	6,29,850.00	150.00	555750	182.00	6,74,310.00	100.00	3,70,500.00	137.00	5,07,585.00

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11.00	Laying of following size HDPE pipe with all accessories complete with fitting, cutting, jointing etc., direct in ground at a depth of 0.75m and width of 0.35m below the ground level i/c excavation and refilling the trench but excluding sand cushioning and protective covering etc., as required.																
11.01	75mm OD HDPE Pipe	650.00	M	149.00	96,850.00	198.00	1,28,700.00	160.00	1,04,000.00	150.00	97500	162.00	1,05,300.00	100.00	65,000.00	127.00	82,550.00
11.02	50 mm OD HDPE Pipe	2769.00	M	149.00	4,12,581.00	174.00	4,81,806.00	150.00	4,15,350.00	150.00	415350	148.00	4,09,812.00	100.00	2,76,900.00	103.00	2,85,207.00
12.00	Laying of following size HDPE pipe with all accessories complete with fitting, cutting, jointing etc., direct in ground at a depth up-to 0.45m and width upto 0.30m below the ground level (as per Site Condition) i/c excavation and refilling the trench but excluding sand cushioning and protective covering etc., as required.																
12.01	50 mm OD HDPE Pipe	2265.00	M	95.00	2,15,175.00	155.00	3,51,075.00	140.00	3,17,100.00	150.00	339750	108.00	2,44,620.00	80.00	1,81,200.00	91.00	2,06,115.00
13.00	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 / HDPE pipe as required:																
13.01	a) 3.5 core x 300 sq.mm	3705.00	M	108.00	4,00,140.00	38.00	1,40,790.00	120.00	4,44,600.00	150.00	555750	243.00	9,00,315.00	30.00	1,11,150.00	125.00	4,63,125.00
13.02	b) 3.5 core x 95 sq.mm	650.00	M	62.00	40,300.00	28.00	18,200.00	70.00	45,500.00	100.00	65000	121.00	78,650.00	25.00	16,250.00	114.00	74,100.00
13.03	c) 4 core x 16 sq.mm	5034.00	M	37.00	1,86,258.00	20.00	1,00,680.00	40.00	2,01,360.00	90.00	453060	36.00	1,81,224.00	25.00	1,25,850.00	40.00	2,01,360.00
14.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc., as required.																
14.01	a) 3.5 core x 300 sq.mm	30.00	M	255.00	7,650.00	235.00	7,050.00	500.00	15,000.00	100.00	3000	580.00	17,400.00	250.00	7,500.00	285.00	8,550.00
14.02	b) 3.5 core x 95 sq.mm	25.00	M	241.00	6,025.00	230.00	5,750.00	400.00	10,000.00	90.00	2250	472.00	11,800.00	250.00	6,250.00	228.00	5,700.00
15.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.																
15.01	a) 3.5 core x 300 sq.mm	30.00	M	106.00	3,180.00	35.00	1,050.00	100.00	3,000.00	150.00	4500	405.00	12,150.00	250.00	7,500.00	114.00	3,420.00
16.00	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.																
16.01	a) 3.5 core x 300 Sq.mm	5.00	EACH	7,771.00	38,855.00	4600.00	23,000.00	6000.00	30,000.00	7500.00	37500	6464.00	32,320.00	5000.00	25,000.00	6718.00	33,590.00
16.02	b) 3.5 core x 95 Sq.mm	1.00	EACH	3,759.00	3,759.00	3000.00	3,000.00	5000.00	5,000.00	4500.00	4500	2818.00	2,818.00	3000.00	3,000.00	4949.00	4,949.00
17.00	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:																
17.01	a) 3.5 core x 300 Sq.mm	6.00	SET	1,302.00	7,812.00	1050.00	6,300.00	1600.00	9,600.00	1000.00	6000	2759.00	16,554.00	1000.00	6,000.00	2252.00	13,512.00
17.02	b) 3.5 core x 95 Sq.mm	6.00	SET	659.00	3,954.00	650.00	3,900.00	800.00	4,800.00	800.00	4800	893.00	5,358.00	700.00	4,200.00	1139.00	6,834.00
18.00	Supplying and making end termination with aluminium lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1 KV grade as required:																
18.01	a) 4 core x 16 Sq.mm	215.00	SET	181.00	38,915.00	120.00	25,800.00	220.00	47,300.00	200.00	43000	164.00	35,260.00	500.00	1,07,500.00	85.00	18,275.00
19.00	Installation, testing and commissioning of pre-wired, LED Flood Light/Street Light fitting complete with all accessories etc, directly on existing pole of following height including supply and drawing 3 runs of 1.5 sq. mm FRLS PVC insulated, copper conductor, wire from MCB to fittings and earthing etc., as required.																
19.01	a) For 2.5 meter pole	91.00	JOB	255.00	23,296.00	950.00	86,450.00	500.00	45,500.00	500.00	45500	405.00	36,855.00	3000.00	2,73,000.00	411.00	37,401.00
19.02	b) For 5 meter poles	106.00	JOB	433.00	45,898.00	1500.00	1,59,000.00	750.00	79,500.00	500.00	53000	607.00	64,342.00	3000.00	3,18,000.00	638.00	67,628.00

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20.00	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.	8.00	JOB	5,601.00	44,808.00	6500.00	52,000.00	9000.00	72,000.00	12000.00	96000	10024.00	80,192.00	7500.00	60,000.00	8272.00	66,176.00
21.00	Providing and fixing 25 mm x 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring washer i/c excavation of bituminous / concrete road / pavement & excavation of Soil to the depth of 0.30 Mtrs from ground, refilling the Soil and with Bitumen on top for 0.15 m after laying Pipe and making good the same to original finish, Disposal of Malba or Debris etc. as required.	40.00	M	629.00	25,160.00	852.00	34,080.00	1300.00	52,000.00	300.00	12000	2759.00	1,10,360.00	500.00	20,000.00	1154.00	46,160.00
22.00	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	80.00	M	470.00	37,600.00	762.00	60,960.00	800.00	64,000.00	250.00	20000	261.00	20,880.00	500.00	40,000.00	841.00	67,280.00
23.00	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	40.00	M	205.00	8,200.00	258.00	10,320.00	250.00	10,000.00	250.00	10000	234.00	9,360.00	200.00	8,000.00	145.00	5,800.00
24.00	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing alongwith the existing surface/recessed conduit/submain wiring/cable as required.	4300.00	m	178.00	7,65,400.00	20.00	86,000.00	40.00	1,72,000.00	25.00	107500	25.00	1,07,500.00	25.00	1,07,500.00	23.00	98,900.00
25.00	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted/welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	20.00	Sets	426.00	8,520.00	650.00	13,000.00	575.00	11,500.00	1500.00	30000	944.00	18,880.00	500.00	10,000.00	566.00	11,320.00
26.00	Providing cement concrete 1:3:6 (1 cement : 2 coarse sand : 6 graded stone aggregate 20 mm nominal size) etc., as required.	20.00	CUM	6,761.00	1,35,220.00	5500.00	1,10,000.00	6900.00	1,38,000.00	5000.00	100000	6068.00	1,21,360.00	6500.00	1,30,000.00	4530.00	90,600.00
27.00	Construction of Manhole chamber of internal dimension 1Mx1Mx1M (External 1.2Mx1.2Mx1.2M) with Brick work, inner Plastering, 100 MM PCC with cement concrete (1:2:4) (1 Cement:2 Coarse sand:4 graded stone aggregate 20 mm nominal size) including RCC Manhole cover.	5.00	JOB	20,000.00	1,00,000.00	10000.00	50,000.00	28750.00	1,43,750.00	5500.00	27500	9440.00	47,200.00	20000.00	1,00,000.00	16985.00	84,925.00
Total without Tax				1,96,43,978.00			1,46,87,580.00		1,67,39,271.00		1,76,90,120.00		1,62,95,899.00		1,41,59,400.00		1,38,92,826.00
ADD GST @ 18 % (Rs).				35,35,916.04			26,43,764.40		30,13,068.78		31,84,221.60		29,33,261.82		25,48,692.00		25,00,708.68
Total with Tax				2,31,79,894.04			1,73,31,344.40		1,97,52,339.78		2,08,74,341.60		1,92,29,160.82		1,67,08,092.00		1,63,93,534.68
Total Amount for Evaluation (Excl GST)				1,96,43,978.00			1,46,87,580.00		1,67,39,271.00		1,76,90,120.00		1,62,95,899.00		1,41,59,400.00		1,38,92,826.00
							-25.23 % L5 Below		-14.79 % L7 Below		-9.95 % L11 Below		-17.04 % L6 Below		-27.92 % L3 Below		-29.28 % L1 Below

Certified that I have personally conducted check of all tender duly computed and checked and satisfied myself that the checking has been properly done and the rates quoted by the contractor including total are carried over correctly in comparative statement.


Asst. Manager (Engg-Elect)
AAI/PUDUCHERRY AIRPORT


Senior Manager (Engg-Elect)
AAI,RHQ-SR,Chennai Airport

Certified that I have personally conducted a test check of the computed & checked tenders forwarded by Dept. of Engineering and satisfied myself that the checking work has been properly done.

Asst. General Manager (F&A)
AAI,RHQ-SR,Chennai Airport

Envelope II - Comparative Statement

Name of Work: Provision of Perimeter Lighting at Puducherry Airport. SH: Phase - I

Tender ID : 2022_AAI_131452_1

Envelope II opened on: 14.12.2022

Sl.No	Description	QTY	UNIT	Estimate cost		7/11		8/11		9/11		10/11		11/11	
						M/s. Jaydeep agency corporation		M/s.LAKSHMI ELECTRICAL ENTERPRISES		M/s. VK sam engineering		M/s.SRI RAGHAVENDRA ELECTRICALS		M/s.SARAVANAN ELECTRICALS	
				Rate in Rs. (Excl GST)	Amount	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)
1.00	Supply of following size of XLPE insulated PVC sheathed Aluminium conductor armoured power cable of 1.1 KV grade conforming to IS-7098 Part-I as amended upto date complete etc., as required.														
1.01	a) 3.5 core x 300 Sq.mm	3765.00	M	1,864.00	70,17,960.00	2018.00	75,97,770.00	1339.00	50,41,335.00	1205.00	45,36,825.00	1469.00	55,30,785.00	1243.00	46,79,895.00
1.02	b) 3.5 core x 95 Sq.mm	675.00	M	641.00	4,32,675.00	750.00	5,06,250.00	455.00	3,07,125.00	414.00	2,79,450.00	561.00	3,78,675.00	429.00	2,89,575.00
1.03	c) 4 core x 16 Sq.mm	5034.00	M	191.00	9,61,494.00	250.00	12,58,500.00	142.00	7,14,828.00	124.00	6,24,216.00	159.00	8,00,406.00	136.00	6,84,624.00
2.00	Supply of Street light luminaire having minimum 4400 lumens with minimum efficacy of 110 lumen/Watt, CCT 5700K and made of pressure diecast aluminium housing body, front glass, IP 66 suitable for operation at 230 V +/- 10%, Single phase AC supply complete etc., as required.	106.00	EACH	2,471.00	2,61,926.00	1980.00	2,09,880.00	1705.00	1,80,730.00	1980.00	2,09,880.00	2800.00	2,96,800.00	2310.00	2,44,860.00
3.00	Supply of LED Flood Light Luminaire having minimum 3300 lumens with minimum efficacy of 110 lumen/Watt, CCT 5700K and made of pressure diecast aluminium housing body, front glass, IP 66 suitable for operation at 230 V +/- 10%, Single phase AC supply complete etc., as required.	91.00	EACH	2,323.00	2,11,393.00	1890.00	1,71,990.00	1375.00	1,25,125.00	1679.00	1,52,789.00	2900.00	2,63,900.00	2090.00	1,90,190.00
4.00	Supply of following OD HDPE Pipe of PE 80 PN 6 ISI Marked along with all accessories like HDPE socket, bend, tees, couplers etc., conforming to IS 4984 complete etc., as required. (Qty to be supplied as per actual Laying Requirement only)														
4.01	a) 125 mm	3765.00	M	599.00	22,55,235.00	325.00	12,23,625.00	430.00	16,18,950.00	398.00	14,98,470.00	945.00	35,57,925.00	565.00	21,27,225.00
4.02	b) 75 mm	675.00	M	221.00	1,49,175.00	225.00	1,51,875.00	160.00	1,08,000.00	145.00	97,875.00	315.00	2,12,625.00	205.00	1,38,375.00
4.03	c) 50 mm	5034.00	M	94.00	4,73,196.00	195.00	9,81,630.00	75.00	3,77,550.00	69.00	3,47,346.00	189.00	9,51,426.00	90.00	4,53,060.00
5.00	Supply, Installation, Testing and Commissioning of MV Switch Board Outdoor Type Main Feeder Pillar made out of 3mm thick CRCA Sheet Steel for outer Shell (width not less than 450 mm) and 2mm thick CRCA Sheet for inner partition, dust tight, vermin proof, totally enclosed, cubicle type, floor mounting, free standing suitable for operation at 433 V, 3 Phase, 4 Wire, 50 Hz AC System complete with all accessories, interconnection, connection, earthing, painting, provided with bottom base channel and locking arrangements including excavation for foundation, providing foundation, suitable RCC pedestal up to 600 mm (400 mm BGL and 200 mm AGL), fixing of panel etc. complete as required and comprising of the following:														
5.01	Two Nos. of 250 A, 50 KA, 4P MCCB with Microprocessor Based Releases (L&T MTX 2.0 / Equivalent) for OC/SC/EF Protection and ROM as INCOMER with resin cast C.T. operated Digital Meter (EM 6400 of Conserve/Equivalent), ON/OFF/TRIP Indication Lamps, Phase Indication Lamps, mechanical castle interlock as required.														
5.02	3 Nos. of 100 A, 36 KA, 4P MCCB with TM Releases for OC/SC Protection and ROM as Outgoings, with ON/OFF/TRIP Indication Lamps and Phase Indication Lamps as required.														
5.03	Three Nos of 63 A, 36 KA, 4P MCCB with TM Releases for OC/SC Protection and ROM as Outgoings each having 4P Contactor of 40 Amps rating and 24 Hours Digital Timer for Automatic Control of Perimeter Lighting, ON/OFF/TRIP Indication Lamps and Phase Indication Lamps as required.														
5.04	One Set of 400 Amps Al. Bus Bars with at Par Neutral Bus Bars as required.														
5.05	All accessories such as fuses, auxillary contactors, auxillary switches, etc. as required.														
5.06	(e) to (e) above - 1 Job	2.00	JOB	4,25,210.00	8,50,420.00	625000.00	12,50,000.00	252500.00	5,05,000.00	288650.00	5,77,700.00	400000.00	8,00,000.00	260200.00	5,20,400.00

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						M/s. Jaydeep agency corporation		M/s.LAKSHMI ELECTRICAL ENTERPRISES		M/s. VK sam engineering		M/s.SRI RAGHAVENDRA ELECTRICALS		M/s.SARAVANAN ELECTRICALS	
				Rate in Rs. (Excl GST)	Amount	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)
6.00	Supply, Installation, Testing and Commissioning of MV Switch Board Outdoor Type Sub Feeder Pillar made out of 3mm thick CRCA Sheet Steel for outer Shell (width not less than 350 mm) and 2mm thick CRCA Sheet for inner partition, dust tight, vermin proof, totally enclosed, cubicle type, floor mounting, free standing suitable for operation at 433 V, 3 Phase, 4 Wire, 50 Hz AC System complete with all accessories, interconnection, connection, earthing, painting, provided with bottom base channel and locking arrangements including excavation for foundation, providing foundation, suitable RCC pedestal up to 600 mm (400 mm BGL and 200 mm AGL), fixing of panel etc. complete as required and comprising of the following:														
6.01	Two No. of 100 A, 38 KA, 4P MCCB with TM Releases for OC/SC Protection and ROM as INCOMER with resin cast C.T. operated Digital VAF Meter (EM 6459 of Conserve/Equivalent), ON/OFF/TRIP Indication Lamps and Phase Indication Lamps, mechanical castle interlock etc as required.														
6.02	1 No. of 63 A, 36 KA, 4P MCCB with TM Releases for OC/SC Protection and ROM as Outgoings, with ON/OFF/TRIP Indication Lamps and Phase Indication Lamps as required.														
6.03	3 Nos of 63 A, 36 KA, 4P MCCB with TM Releases for OC/SC Protection and ROM as Outgoings each having 4P Contactor of 40 Amps rating and 24 Hours Digital Timer for Automatic Control of Perimeter Lighting, ON/OFF/TRIP Indication Lamps and Phase Indication Lamps as required.														
6.04	One Set of 200 Amps Al. Bus Bars with at Par Neutral Bus Bars as required.														
6.05	All accessories such as fuses, auxillary contactors, auxillary switches etc. as required.														
6.06	(a) to (e) above - 1 Job	1.00	JOB	1,97,980.00	1,97,980.00	475000.00	4,75,000.00	162500.00	1,62,500.00	195000.00	1,95,000.00	250000.00	2,50,000.00	183300.00	1,83,300.00
7.00	Fabrication and SITC of tubular swaged pole consisting of one section with 5.4 mm thick & 114.3 mm outer dia MS pole for 1 Mtr length with door and lock provision, providing and fixing 1 No. 5-32 Amps 'C' Series DP MCB and 63A 4 way connector inside the door, 16mm thick base plate of dimension 250mm x 250mm, 4 Nos of 12mm dia 500 mm long GI foundation bolts and nuts, Bottom Section welded with Top section of tubular swaged pole of 4.85 mm thick & 88.9 mm outer dia for length upto 1.5 Mtr (Total Length of second section Pole shall be restricted to the Height of Concertina coil on boundary wall) with MS channel of suitable size for mounting LED fixture, and painted with one coat of zinc chromate primer and two coats of polyurethane paint of approved colour complete including providing RCC Pole Foundation with 1:2:4 CC of Size 30cmX30cmX100cm (D) (80cm BGL and 20cm AGL) (Or as per OEM Specification whichever is better), excavation, positioning template and foundation bolts, providing and fixing 2 Nos. of PE 63 PN 6 40mm OD HDPE Pipe of required lenght in foundation for loop in-loop out cable, refilling, levelling surface, pole numbering etc., as required.	91.00	JOB	11,034.00	10,04,094.00	4850.00	4,41,350.00	9900.00	9,00,900.00	13156.00	11,97,196.00	6000.00	5,46,000.00	15800.00	14,37,800.00
8.00	Fabrication and SITC of 5 Mtrs height Octagonal Hot Dip GI street light pole of thickness 4 mm and single arm bracket of thickness 3mm and length upto 500mm suitable for mounting single street light luminaire complete with 16mm thick base plate of dimension 250mm x 250mm, 4 Nos of 24mm dia 600 mm long GI J foundation bolts with template, washer nuts, anchor plates, earthing stud including providing and fixing 1 No. 5-32 Amps 'C' Series DP MCB and 63 Amps 4 way connector in the bottom with door and lock provision including providing RCC Pole Foundation with 1:2:4 CC of Size 50cmX50cmX150cm (D) (120cm BGL and 30cm AGL) (Or as per OEM Specification whichever is better), excavation, positioning template and foundation bolts, providing and fixing 2 Nos. of PE 63 PN 6 40mm OD HDPE Pipe of required lenght in foundation for loop in loop out cable, refilling, levelling surface, pole numbering etc., as required.	106.00	JOB	22,649.00	24,00,794.00	9850.00	10,44,100.00	13700.00	14,52,200.00	15946.00	16,90,276.00	9000.00	9,54,000.00	16350.00	17,33,100.00
9.00	Supply and laying of 150 mm dia 'B' Class GI Pipe in concrete/bitumen road crossing for cable crossing/laying by cutting the bitumen/concrete of suitable size for laying the pipe, excavation of soil upto total depth of 600 mm BGL, threading, cutting, jointing of pipe, refilling earth and providing top with bitumen mix/concrete as per original depth and making good the surface matching with original finish etc., as required.	100.00	M	1,941.00	1,94,100.00	2285.00	2,28,500.00	2200.00	2,20,000.00	2220.00	2,22,000.00	3900.00	3,90,000.00	3210.00	3,21,000.00
10.00	Laying of following size HDPE pipe with all accessories complete with fitting, cutting, jointing etc., direct in ground at a depth of 0.75m and width of 0.35m below the ground level i/c excavation and refilling the trench but excluding sand cushioning and protective covering etc., as required.														
10.01	125 mm OD HDPE Pipe	3705.00	M	156.00	5,77,980.00	75.00	2,77,875.00	170.00	6,29,850.00	161.00	5,96,505.00	180.00	6,66,900.00	300.00	11,11,500.00

Sl.No	Description	QTY	UNIT	Estimate cost		7/11		8/11		9/11		10/11		11/11	
						M/s. Jaydeep agency corporation		M/s.LAKSHMI ELECTRICAL ENTERPRISES		M/s. VK sam engineering		M/s.SRI RAGHAVENDRA ELECTRICALS		M/s.SARAVANAN ELECTRICALS	
				Rate in Rs. (Excl GST)	Amount	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)
11.00	Laying of following size HDPE pipe with all accessories complete with fitting, cutting, jointing etc., direct in ground at a depth of 0.75m and width of 0.35m below the ground level i/c excavation and refilling the trench but excluding sand cushioning and protective covering etc., as required.														
11.01	75mm OD HDPE Pipe	650.00	M	149.00	96,850.00	75.00	48,750.00	150.00	97,500.00	152.00	98,800.00	150.00	97,500.00	300.00	1,95,000.00
11.02	50 mm OD HDPE Pipe	2769.00	M	149.00	4,12,581.00	55.00	1,52,295.00	125.00	3,46,125.00	133.00	3,68,277.00	150.00	4,15,350.00	250.00	6,92,250.00
12.00	Laying of following size HDPE pipe with all accessories complete with fitting, cutting, jointing etc., direct in ground at a depth up-to 0.45m and width upto 0.30m below the ground level (as per Site Condition) i/c excavation and refilling the trench but excluding sand cushioning and protective covering etc., as required.														
12.01	50 mm OD HDPE Pipe	2265.00	M	95.00	2,15,175.00	50.00	1,13,250.00	125.00	2,83,125.00	119.00	2,69,535.00	120.00	2,71,800.00	250.00	5,66,250.00
13.00	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 / HDPE pipe as required:														
13.01	a) 3.5 core x 300 sq.mm	3705.00	M	108.00	4,00,140.00	85.00	3,14,925.00	100.00	3,70,500.00	94.00	3,48,270.00	50.00	1,85,250.00	100.00	3,70,500.00
13.02	b) 3.5 core x 95 sq.mm	650.00	M	62.00	40,300.00	65.00	42,250.00	80.00	52,000.00	71.00	46,150.00	35.00	22,750.00	45.00	29,250.00
13.03	c) 4 core x 16 sq.mm	5034.00	M	37.00	1,86,258.00	35.00	1,76,190.00	40.00	2,01,360.00	33.00	1,66,122.00	20.00	1,00,680.00	35.00	1,76,190.00
14.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc., as required.														
14.01	a) 3.5 core x 300 sq.mm	30.00	M	255.00	7,650.00	300.00	9,000.00	450.00	13,500.00	310.00	9,300.00	350.00	10,500.00	350.00	10,500.00
14.02	b) 3.5 core x 95 sq.mm	25.00	M	241.00	6,025.00	285.00	7,125.00	400.00	10,000.00	300.00	7,500.00	320.00	8,000.00	250.00	6,250.00
15.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.														
15.01	a) 3.5 core x 300 sq.mm	30.00	M	106.00	3,180.00	75.00	2,250.00	150.00	4,500.00	99.00	2,970.00	50.00	1,500.00	100.00	3,000.00
16.00	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.														
16.01	a) 3.5 core x 300 Sq.mm	5.00	EACH	7,771.00	38,855.00	3800.00	19,000.00	5000.00	25,000.00	5500.00	27,500.00	6000.00	30,000.00	9150.00	45,750.00
16.02	b) 3.5 core x 95 Sq.mm	1.00	EACH	3,759.00	3,759.00	1875.00	1,875.00	4000.00	4,000.00	3600.00	3,600.00	5200.00	5,200.00	6950.00	6,950.00
17.00	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:														
17.01	a) 3.5 core x 300 Sq.mm	6.00	SET	1,302.00	7,812.00	2485.00	14,910.00	1200.00	7,200.00	1300.00	7,800.00	2000.00	12,000.00	3100.00	18,600.00
17.02	b) 3.5 core x 95 Sq.mm	6.00	SET	659.00	3,954.00	750.00	4,500.00	850.00	5,100.00	550.00	3,300.00	1800.00	10,800.00	1780.00	10,680.00
18.00	Supplying and making end termination with aluminium lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1 KV grade as required:														
18.01	a) 4 core x 16 Sq.mm	215.00	SET	181.00	38,915.00	225.00	48,375.00	300.00	64,500.00	180.00	38,700.00	210.00	45,150.00	745.00	1,60,175.00
19.00	Installation, testing and commissioning of pre-wired, LED Flood Light/Street Light fitting complete with all accessories etc, directly on existing pole of following height including supply and drawing 3 runs of 1.5 sq. mm FRLS PVC insulated, copper conductor, wire from MCB to fittings and earthing etc., as required.														
19.01	a) For 2.5 meter pole	91.00	JOB	256.00	23,296.00	250.00	22,750.00	300.00	27,300.00	250.00	22,750.00	100.00	9,100.00	1500.00	1,36,500.00
19.02	b) For 5 meter poles	106.00	JOB	433.00	45,898.00	325.00	34,450.00	400.00	42,400.00	350.00	37,100.00	120.00	12,720.00	1500.00	1,59,000.00

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				Rate in Rs. (Excl GST)	Amount	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)	Basic Rate (excluding GST)	Total Amount (with out GST)
20.00	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.	8.00	JOB	5,601.00	44,808.00	5950.00	47,600.00	5500.00	44,000.00	5000.00	40,000.00	13000.00	1,04,000.00	15500.00	1,24,000.00
21.00	Providing and fixing 25 mm x 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring washer i/c excavation of bituminous / concrete road / pavement & excavation of Soil to the depth of 0.30 Mtrs from ground, refilling the Soil and with Bitumen on top for 0.15 m after laying Pipe and making good the same to original finish, Disposal of Malba or Debris etc. as required.	40.00	M	629.00	25,160.00	995.00	39,800.00	400.00	16,000.00	1050.00	42,000.00	1000.00	40,000.00	300.00	12,000.00
22.00	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	80.00	M	470.00	37,600.00	695.00	55,600.00	350.00	28,000.00	480.00	38,400.00	600.00	48,000.00	254.00	20,320.00
23.00	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	40.00	M	205.00	8,200.00	220.00	8,800.00	150.00	6,000.00	255.00	10,200.00	300.00	12,000.00	189.00	7,560.00
24.00	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing alongwith the existing surface/recessed conduit/submain wiring/cable as required.	4300.00	m	178.00	7,65,400.00	38.00	1,63,400.00	28.00	1,20,400.00	23.00	98,900.00	30.00	1,29,000.00	54.00	2,32,200.00
25.00	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted/welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	20.00	Sets	426.00	8,520.00	485.00	9,700.00	750.00	15,000.00	400.00	8,000.00	900.00	18,000.00	755.00	15,100.00
26.00	Providing cement concrete 1:3:6 (1 cement : 2 coarse sand : 6 graded stone aggregate 20 mm nominal size) etc., as required.	20.00	CUM	6,761.00	1,35,220.00	2750.00	55,000.00	5500.00	1,10,000.00	7000.00	1,40,000.00	6500.00	1,30,000.00	5400.00	1,08,000.00
27.00	Construction of Manhole chamber of internal dimension 1Mx1Mx1M (External 1.2Mx1.2Mx1.2M) with Brick work, inner Plastering, 100 MM PCC with cement concrete (1:2:4) (1 Cement:2 Coarse sand:4 graded stone aggregate 20 mm nominal size) including RCC Manhole cover.	5.00	JOB	20,000.00	1,00,000.00	15850.00	79,250.00	10000.00	50,000.00	16000.00	80,000.00	50000.00	2,50,000.00	35000.00	1,75,000.00
Total without Tax				1,96,43,978.00			1,72,89,390.00		1,42,87,603.00		1,41,40,702.00		1,75,68,742.00		1,73,95,929.00
ADD GST @ 18 % (Rs).				35,35,916.04			31,12,090.20		25,71,768.54		25,45,326.36		31,62,373.56		31,31,267.22
Total with Tax				2,31,79,894.04			2,04,01,480.20		1,68,59,371.54		1,66,86,028.36		2,07,31,115.56		2,05,27,196.22
Total Amount for Evaluation (Excl GST)				1,96,43,978.00			1,72,89,390.00		1,42,87,603.00		1,41,40,702.00		1,75,68,742.00		1,73,95,929.00

-11.99%
L8
Below

-27.27%
L4
Below

-28.02%
L2
Below

-10.56%
L10
Below

-11.44%
L9
Below

Certified that I have personally conducted check of all tender duly computed and checked and satisfied myself that the checking has been properly done and the rates quoted by the contractor including total are carried over correctly in comparative statement.

Asst. Manager (Engg-Elect)
AAI/PUDUCHERRY AIRPORT

Senior Manager (Engg-Elect)
AAI/RHQ-SR, Chennai Airport

Certified that I have personally conducted a test check of the computed & checked tenders forwarded by Dept. of Engineering and satisfied myself that the checking work has been properly done.

Asst. General Manager (F&A)
AAI/RHQ-SR, Chennai Airport

Signature Not Verified

Digitally signed by L S Sindhu
Date: 2022.12.23 16:27:42 IST
Location: eProcurement System for Central PSUs

