

Tender Inviting Authority: AGM (E E), AAI, CA Surat

Name of Work: Holistic Development of Surat Airport Including Extension of Apron and Terminal Building and construction of Parallel Taxi Track. SH: Apron flood lights & associated works

Contract No:

SCHEDULE OF WORK / ITEM(S)																					
Sl.No	Description of Work / Item(s)	No.of Qty	Units	Justified Rate		GAYATRI ELECTRICAL (GSTN-NA)		NEW WATER WORLD (GSTN-NA)		JATINDER CONSTRUCTION COMPANY PRIVATE LIMITED (GSTN-NA)		J D ELECTRIC WORKS (GSTN-NA)		M/s. Shree Gokulesh Electric and Engg CO (GSTN-NA)		SARASWAT ENGINEERING SERVICES (GSTN-NA)		Bajaj Electricals Limited (GSTN-NA)		L1 Amount	L1 Vendor
				Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount		
1.00	High Mast																				
1.01	Design, supply, Installation, Erection, Testing and commissioning of 30 m flood light high mast fabricated in three telescopic sections(MS), hot Dip galvanised finish totally on externally and internally etc (with base plate welded to the bottom sections) and suitable for wind velocity as per IS 875 part 3 (latest) and holdings suitable for installation of flood lighting luminaries including erection of mast & other assemblies as required with following accessories etc as per the tender specifications.																				
1.02	Lantern carriage fabricated and galvanized suitable to hold 6 Nos.or more as per illumination design 350& 500 watt LED flood light fittings and 2 Nos. LED type Single dome aviation obstruction lights(i/c supply of 2nos LED Type single dome aviation light) and to accommodate control gear boxes(as required), Supply and fixing of 20/21 way terminal block suitable for interconnection of flood light fixtures (Qty. 2 Nos.for each high mast) and have self balance including junction box, Heavy guage hot dip galvanized lightening arrester finial.																				
1.03	Electrically operated raising and lowering mechanism consisting of suitable double drum winch assembly, head frame assembly on top with self lubricating bearing, Stainless steel shaft, noncorrosive pulley and stainless steel wire ropes(2 nos one for each drum) of minimum 6mm dia (7/19) etc. and designed to operate with electric driven power tool and also suitable for manual operation including connector, integral power tool motor, manual handle, trailing cable,junction box etc.																				
1.04	Providing & laying required length & appropriate rating of 1.1 KV grade 2 runs of 5 core x 2.5 sq mm copper conductor trailing (EPR insulated PCP sheathed cable for power supply from the top carraige of mast to bottom distribution box / feeder pillar/coupler/connector i/c wiring to the individual fittings & also providing G.I. flexible pipe for protection if required at site.																				
1.05	Supply of foundation bolts manufactured from special steel along with nuts, washer, suitable size anchor plates and template etc as required.																				
1.06	Design & construction of suitable shallow foundation (RCC) with 1:2:4 M20 grade concrete for the highmast considering the safe soil bearing capacity at site at 2 metre depth with all materials and labour. Concrete foundation required for the mast shall be designed based on the soil bearing capacity of site as per relevant IS standards and shall got vetted from the IIT/SVNIT or other reputed institutions to validate the foundation design																				
1.07	Erection of the high mast with the help of suitable equipments and wiring of luminaires with all wiring materials and labour i/c testing & commissioning etc. Complete as required as per site requirement.	10.00	Job	734146.00	7341460.00	683000.00	6830000.00	382386.00	3823860.00	404000.00	4040000.00	475223.00	4752230.00	484847.00	4848470.00	478344.00	4783440.00	389411.00	3894110.00	3823860.00	NEW WATER WORLD

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2.00	Supplying and installation of cubicle type totally enclosed free standing, dust & vermin proof and water proof outdoor(IP-55) single door type feeder pillar of suitable size suitable for 415 V, 3 Phase, 4 wire 50 Hz AC supply system fabricated out of 2mm thick CRCA sheet duly powder coated of approved shade,3mm thick detachable gland plates at bottom with 2 Nos. earth stud of min. 12 mm dia bolt, including angle iron frame work at bottom with legs of minimum 600 mm height made out of 75 x 75 x 5 mm MS angle iron including all civil works like excavation, PCC, brick work pedestal, plastering, refilling etc as required. The control wiring shall be of minimum 2.5 sq mm size FRLS , PVC insulated and feeder pillar shall have the following : 1) Incommer: 32 A, 4P, 10KA MCB and 32 A TP AC-3 Rating contactor with thermal O/L relay and 230 VAC operating coil and 2NO/2NC aux. contact for automatic power supply redundancy. -- 2 nos 2) 25 A ,4P ,10KA MCB with 25A TP AC-3 Rating contactor with 230 VAC operating coil & thermal O/L relay and 2NO/2NC aux. for the automatic switching of luminaries with illuminated push button for local operation & selector switch for Local/ Remote operation - 01 no. 3) 24Hrs dial time switch/ single pole contactor with 6 A protection DP MCB for aviation light. 4) Power tool control with 2 no. 9A contactors and 4A MPCB for 2 hp motor having thermal release 2.5-4.0A, SPP and Raise /Lower push button. It shall be interlocked with power contactor so that it shall not be operaterated when power contactor is ON. 5) Incomming and outgoing cables of size 4x35sq mm connectors,/ terminations and any other item as required to complete the job.	10.00	Each	30328.00	303280.00	30000.00	300000.00	17500.00	175000.00	35000.00	350000.00	106210.00	1062100.00	51655.00	516550.00	54940.00	549400.00	88283.00	882830.00	175000.00	NEW WATER WORLD
3.00	Supply & installation of following LED fixture complete with LED, driver & all accessories pre wired upto terminal block operating on 100 -277 volts & 50 Hz with CRI>70% & IP66 protection & IK08 capable to operate from -10o C to 45o C ambient temp. Driver shall be with THD less than 10% and power factor shall not be less than 0.95 & other specifications as per tender.																				
3.01	350W (Maximum system wattage) flood light fixture with beam angle 33O + 10% and made of pressure die cast with fin aluminum alloy duly powder coated housing with clear toughend glass and cradle for mounting giving minimum system output of 35000+ 10% Lumens and 5700K+ 300 CCT	44.00	Job	24223.00	1065812.00	25000.00	1100000.00	17500.00	770000.00	20000.00	880000.00	17160.00	755040.00	13959.00	614196.00	13365.00	588060.00	11926.00	524744.00	524744.00	Bajaj Electricals Limited
3.02	500W (Maximum system wattage) flood light fixture with beam angle of 22O + 10% and made of pressure die cast with fin aluminum alloy duly powder coated housing with clear toughend glass and cradle for mounting giving minimum system output of 60000+ 10% Lumens and 5700K+ 300 CCT	16.00	Job	52991.00	847856.00	30000.00	480000.00	25300.00	404800.00	25000.00	400000.00	35880.00	574080.00	21572.00	345152.00	22000.00	352000.00	20380.00	326080.00	326080.00	Bajaj Electricals Limited
4.00	Supply of following Size. XLPE insulated, PVC sheathed Al. conductor armoured power cable of 1.1 KV grade conforming to IS:7098 Part-I with upto date amendment etc. complete as required.																				
4.01	4 core x 35 Sq. mm	2100.00	Mtrs	131.00	275100.00	155.00	325500.00	180.00	378000.00	200.00	420000.00	180.00	378000.00	139.00	291900.00	134.00	281400.00	161.00	338100.00	281400.00	SARASWAT
4.02	3.5 core x 300 Sq. mm	2100.00	Mtrs	880.00	1848000.00	440.00	924000.00	1180.00	2478000.00	1050.00	2205000.00	928.00	1948800.00	745.00	1564500.00	719.00	1509900.00	893.00	1875300.00	924000.00	GAYATRI
5.00	Supply of following size XLPE insulated PVC inner sheathed copper stranded conductor armoured LT control cable of 650/1100 v grade conforming to IS:7098 Part-I(1988) with up to date amendment etc. complete as required.																				
5.01	19 core x 1.5 Sq. mm	600.00	Mtrs	254.00	152400.00	80.00	48000.00	250.00	150000.00	300.00	180000.00	295.00	177000.00	203.00	121800.00	200.00	120000.00	246.00	147600.00	48000.00	GAYATRI
5.02	10 core x 1.5 Sq. mm	200.00	Mtrs	162.00	32400.00	45.00	9000.00	250.00	50000.00	200.00	40000.00	183.00	36600.00	130.00	26000.00	127.00	25400.00	158.00	31600.00	9000.00	GAYATRI

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10.10	Other Accessories																				
10.11	Internal connections, industrial connectors for cables to be provided.There shall be electrical & mechanical interlocking between incommers & bus coupler and 50x6 mm AL common Earth & any other accessories etc as required. Control wiring shall be done with minimum 2.5 sqmm copper FRLS flexible wire.	3.00	Job	86345.00	259035.00	58000.00	174000.00	115000.00	345000.00	200001.00	600003.00	203000.00	609000.00	100041.00	300123.00	224005.00	672015.00	164279.00	492837.00	174000.00	GAYATRI ELECTRICAL
11.00	Earthing with GI earth pipe (B-Class) 4.5 mtr long, 40mm dia including accessories and providing masonary enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/coke and salt as required.	10.00	Set	4821.00	48210.00	4800.00	48000.00	8500.00	85000.00	5001.00	50010.00	4000.00	40000.00	4424.00	44240.00	7055.00	70550.00	7950.00	79500.00	40000.00	J D ELECTRIC WORKS
12.00	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/coke and salt as required.	20.00	Set	5152.00	103040.00	4800.00	96000.00	5200.00	104000.00	5000.00	100000.00	6000.00	120000.00	5249.00	104980.00	7891.00	157820.00	13251.00	265020.00	96000.00	GAYATRI ELECTRICAL
13.00	Providng and laying 6 SWG dia. GI wire on surface or in recess for loop earthing along with the existing cable on surface/recessed/in cable trench or in pipes etc. complete as required.	4200.00	Mtr	33.00	138600.00	17.50	73500.00	8.00	33600.00	17.00	71400.00	40.00	168000.00	18.00	75600.00	21.00	88200.00	31.00	130200.00	33600.00	NEW WATER WORLD
14.00	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.	100.00	Mtrs	838.00	83800.00	265.00	26500.00	370.00	37000.00	350.00	35000.00	350.00	35000.00	424.00	42400.00	504.00	50400.00	109.00	10900.00	10900.00	Bajaj Electricals Limited
15.00	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required	30.00	Mtrs	187.00	5610.00	110.00	3300.00	85.00	2550.00	100.00	3000.00	350.00	10500.00	127.00	3810.00	138.00	4140.00	109.00	3270.00	2550.00	NEW WATER WORLD
16.00	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.																				
16.01	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	72.00	Cum	1071.00	77112.00	185.00	13320.00	3000.00	216000.00	500.00	36000.00	930.00	66960.00	1177.00	84744.00	2373.00	170856.00	2385.00	171720.00	13320.00	GAYATRI ELECTRICAL
17.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.																				
17.01	All kinds of soil	248.00	Cum	179.00	44392.00	42.50	10540.00	100.00	24800.00	250.00	62000.00	200.00	49600.00	681.00	168888.00	384.00	95232.00	663.00	164424.00	10540.00	ELECTRICAL
18.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	26.46	Cum	135.00	3573.00	30.73	813.12	70.00	1852.20	200.00	5292.00	100.00	2646.00	247.09	6538.00	90.00	2381.40	530.00	14023.80	813.12	GAYATRI ELECTRICAL
Total in Figures				13030696.00		Below	10629023.12	Below	9256122.20	Below	9755555.00	Below	11824592.00	Below	9484425.00	Below	9946122.40	Below	9905230.80		
% Above/Below Justified Amount				13030696.00		Below	-18.43%	Below	-28.97%	Below	-25.13%	Below	-9.26%	Below	-27.21%	Below	-23.67%	Below	-23.99%		
L-1 Statement							L-6		L-1		L-3		L-7		L-2		L-5		L-4		
Lowest Amount Quoted BY: NEW WATER WORLD (9256122.20)																					

Signature Not Verified

Digitally signed by SUNIL KUMAR KOTIA
Date: 2020.11.03 11:41:35 IST
Location: eProcurement System for Central PSUs

