



भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India



संख्या: एएआई/एजीटी/इंजी(इ)/अवार्ड-01/2020-21/20-38/
No.: AAI/AGT/ENGG(E)/AWARD-01/2020-21

दिनांक: 15/04/2020
Date: 15/04/2020

सेवा में / To,

मेसर्स/M/S Sibul Das,
East Narayanpur,
Agartala, Tripura (W),
Pin-799009.

कार्य का नाम/Name of Work: अगरतला हवाई अड्डे पर ईएंडएम प्रतिष्ठानों का एआरएमओ (2019-20)। सब हेड: 02 वर्ष के लिए 11 केवी सबस्टेशन, परिचालन क्षेत्र और जीएलएफ प्रणाली के लिए जॉब कंट्रैक्ट / ARMO of E & M installations at Agartala Airport (2019-20). SH: Job Contract for 11KV Substation, Operational area and GLF system for 02 years.

संदर्भ /Ref: टेंडर आई डी संख्या- 2020_AAI_43506_1
Tender ID No. 2020_AAI_43506_1

महोदय/Dear Sir,

उपर उल्लिखित कार्य हेतु आपका टेंडर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकार किया जाता है, आपके द्वारा मद मूल्यों पर कोटेड राशि कुल रु. 91,42,850/- (रु. इक्यान्बे लाख ब्यालीस हजार आठ सौ पचास मात्र) (जीएसटी को छोड़कर), जो कि टेंडर की अनुमान राशी रु. 1,04,78,056/- से 12.74% प्रतिशत नीचे है।

Your tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India at the item rates quoted by you totaling to **Rs.91,42,850/-** (Rupees Ninety One Lakh Forty Two Thousand Eight Hundred and Fifty only) (excluding GST), which is 12.74% below the Estimated cost put to tender of **Rs. 1,04,78,056/-**.

उप महाप्रबंधक (अभि-विद्युत), भा.वि.प्रा, अगरतला हवाई अड्डा इस कार्य के प्रभारी-अभियंता होंगे। आपसे निवेदन है कि करारनामे पर हस्ताक्षर करने के लिए दिनांक 15-05-2020 तक उप महाप्रबंधक (अभि-विद्युत), अगरतला के कार्यालय में उपस्थित हों। ठेके का करारनामा रु. 100/- (रु. एक सौ) मात्र के नॉनज्यूडीशियल स्टैम्प पेपर पर निष्पादित किया जाएगा तथा पेपर का खर्च आपके द्वारा वहन किया जाएगा।

Dy. General Manager (Engg-E), AAI, Agartala Airport shall be the Engineer-In-Charge of the work. You are requested to attend the office of the Dy. General Manager (Engg-E), AAI, Agartala Airport by **15-05-2020** to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of value **Rs.100/-** (Rupees One hundred only) and the cost of the stamp paper shall be borne by you.

Sibul Das

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आपके टेंडर के साथ प्राप्त धरोदर राशी रु. 2,10,000/- (रुपये दो लाख दस हजार मात्र) ठेके के दस्तावेज से पृष्ठ 17 पर दी गई शर्त 1(A) के अनुसार जमानत राशी परिवर्तित कर दी गई है। कृपया इस पत्र के जारी होने की तिथि से 10 दिनों के भीतर जमानत राशी की बकाया रु. 7,04,285 /- (रुपये सात लाख चार हजार दो सौ पचासी मात्र) अदा की जाए अन्यथा निविदा दस्तावेज के कंडीशन 1(A) पेज संख्या 17 के अनुसार उक्त राशी उनके रनिंग बिल से कटौती की जाएगी।

The earnest money amount of **Rs. 2,10,000/-** (Rupees Two Lakh Ten Thousand only) received along with your tender will be treated and converted as part of security deposit as per clause 1(A) on page 17 of tender contract document. Please deposit **Rs. 7,04,285/-** (Rupees Seven Lakh Four Thousand Two Hundred and Eighty Five only) towards security deposit within 10 days from the date of issue of this letter, failing which the same will be deducted from your running bill as per condition 1(A) on page 17 of the contract document.

आपसे निवेदन है कि अनुबंध श्रमिक (विनियमन तथा उन्मूलन) अधिनियम 1970, अनुबंध श्रमिक (विनियमन तथा उन्मूलन) केंद्रीय नियम 1971, केंद्र तथा राज्य सरकार के न्यूनतम वेतन अधिनियम और नियमों के प्रावधानों का अनुपालन अवश्य करें।

You are requested to comply with the provisions of contract labour (Regulation and abolition) Act of 1970 and contract labour (Regulation & abolition) Central rules 1971 and minimum wages Act & rules thereof central and state Governments.

आपको निर्देश दिया जाता है कि आप तुरंत ब. प्रबंधक (अभि-विद्युत), भा.वि.प्रा, अगरतला हवाई अड्डा से सम्पर्क करें वह आपको साइट सौंपने की व्यवस्था करेंगे।

You are also directed to contact Sr. Manager (Engg-E), AAI, Agartala Airport, immediately who will arrange to hand over the site to you.

कृपया नोट कर लें कि कार्य करने का समय 24 (चोवीस) महीना है जो कि **01-05-2020** से गिना जाएगा।

Please note that the time allowed for carrying out the work is **24 (Twenty Four) months**, which shall be reckoned from **01-05-2020**.

इस ठेके के संबंध में आने का कोई भी पत्राचार प्रभारी-अभियंता को किया जाएगा।

Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-charge.

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कृपया पावती भेजें और स्वीकृति प्रतीक के तौर पर संलग्नित पत्र की हस्ताक्षरित प्रति इस कार्यालय को अवश्य भेजें।

Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as a token of acceptance.

संलग्न/Encl: Bill of Quantities

Pages-04

भवदीय/ Yours faithfully,

(के.सी. मीना / K.C. MEENA)

उप महाप्रबंधक (अभि-विद्युत)/Dy.G.M.(Engg-E)
कृते तथा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से

For and on behalf of Chairman,
Airports Authority of India.

प्रतिलिपी / Copy to : (Via e-mail)

1. महा प्रबंधक (अभि)-प्रोजेक्ट, भा.वि.प्रा., म.बी.बि. हवाईअड्डा अगरतला।
General Manager (Engg)-Project, AAI, M.B.B. Airport, Agartala.
2. महा प्रबंधक (अभि-वि), भा.वि.प्रा., लो.गो.ब.अं. हवाई अड्डा, गुवाहाटी-15।
General Manager (Engg-E), AAI, LGBI Airport, Guwahati-15.
3. विमानपत्तन निदेशक, भा.वि.प्रा., म.बी.बि. हवाईअड्डा अगरतला।
Airport Director, AAI, M.B.B. Airport, Agartala.
4. स. महा प्रबंधक (अभि-वि), भा.वि.प्रा., म.बी.बि. हवाईअड्डा अगरतला।
Asstt. General Manager (Engg.-E), AAI, M.B.B. Airport, Agartala.
5. सहायक महा प्रबंधक (वित्त), भा.वि.प्रा., म.बी.बि. हवाईअड्डा अगरतला।
Asstt. General Manager (F&A.), AAI, M.B.B. Airport, Agartala.
6. ब. प्रबंधक (अभि-वि), भा.वि.प्रा., म.बी.बि. हवाईअड्डा अगरतला।
Sr. Manager (Engg.-E), AAI, M.B.B. Airport, Agartala.
7. प्रबंधक (अभि-वि), भा.वि.प्रा., म.बी.बि. हवाईअड्डा अगरतला।
Manager (Engg-E), AAI, M.B.B. Airport, Agartala.

(के.सी. मीना / K.C. MEENA)

उप महाप्रबंधक (अभि-विद्युत)/Dy.G.M.(Engg-E)

BILL OF QUANTITIES

Name of work: ARMO of E & M installations at Agartala Airport (2019-20). SH: Job Contract for 11KV Substation, Operational area and GLF system for 02 years.

Item No.	Items of Work	Quantity	Unit	Rate (Rs)	Amount (Rs)
1	Operation and maintenance of all Internal and External electrical installations related to 11KV Substation, Operational area, GLF system by attending complaints / faults/breakdown including rectification & ensuring serviceability/ satisfactory working condition of the systems on all the days i/c Sundays, Saturdays & holidays in shifts/general duties. The following manpower including reliever has to be deployed by the contractor:- (a) Highly Skilled (Sr. Supervisor) - 01 No. (b) Highly Skilled (Computer Operator) - 01No. (c) Skilled - 08 Nos. (d) Un-skilled - 07 Nos. Note: The weekly off for all worker is mandatory.	24	Month	2,93,000.00	70,32,000.00
2	Painting of Runway/Taxiway/Approach light with two coats of synthetic yellow paint/emulsion after scrapping/cleaning, putty filling and applying one coat of chrome yellow primer coat including numbering with black synthetic enamel paint etc. complete as required and as directed by Engineer-in-charge.	337	Each	200.00	67,400.00
3	Painting of landing -T light fixture with two coats of synthetic yellow paint/emulsion after scrapping, cleaning, putty filling and applying one coat of chrome yellow primer coat including numbering with black synthetic enamel paint etc. complete as required and as directed by Engineer-in-charge.	1	Each	1,000.00	1,000.00
4	Spray Painting of Feeder pillar/LT panel with two coats of smoke grey synthetic enamel paint after scrapping, cleaning, putty filling and applying one coat of chrome yellow primer coat including numbering etc. complete and as directed by Engineer-in-charge.	200	Sq.m	150.00	30,000.00

Item No.	Items of Work	Quantity	Unit	Rate (Rs)	Amount (Rs)
5	Painting of street light pole of height upto 6 metre above ground level (AGL) including bracket etc. with two coats of synthetic aluminium paint/emulsion (above one mtr from the ground, excluding light fitting) after scrapping, cleaning, putty filling wherever required and applying one coat of chrome yellow primer coat including numbering, AAI approved logo and two coats of black bituminous paint (upto one mtr from the ground) as directed by Engineer-in-charge.	5	Each	200.00	1,000.00
6	Painting of street light pole of height above 6 metre and upto 10 metre above ground level including bracket etc. with two coats of synthetic aluminium paint/emulsion (above one mtr from the ground, excluding light fitting) after scrapping, cleaning, putty filling and applying one coat of chrome yellow primer coat including numbering, AAI approved logo and two coats of black bituminous paint (upto one mtr from the ground) as directed by Engineer-in-charge.	15	Each	300.00	4,500.00
7	Painting of apron flood lighting lattice tower of height 20.5 metre (appx.) with one coat of metal primer of approved brand and two or more coats of synthetic enamel paints of approved colour and brand including scrapping to give an even shade etc. complete as required and as directed by Engineer-in-charge.	1	Each	10,000.00	10,000.00
8	Painting of garden lighting lamp post of dia. not exceeding 75mm and height not exceeding 6 mtrs. (above one mtr from the ground, excluding light fitting) with two or more coats of aluminium paint/emulsion of approved make and brand including numbering, AAI approved logo and two coats of black synthetic enamel paint upto (one mtr from the ground) as directed by Engineer-in-charge.	40	Each	150.00	6,000.00
9	Painting of perimeter light pole i/c bracket with two coats of ISI marked synthetic enamel paint of aviation yellow [above 1 mtr from ground level, excluding light fitting] and two coats of black bituminous paint (upto one mtr from the ground) after cleaning, scrapping, putty filling, applying one coat of primer i/c numbering, etc. complete as required and as directed by Engineer-in-charge.	335	Each	150.00	50,250.00
10	Spray painting of the existing surface of rolling shutter at different locations with two coats of ISI marked synthetic enamel paint of approved colour i/c cleaning etc. complete as required and as directed by Engineer-in-charge.	300	Sq. mtr.	120.00	36,000.00

Item No.	Items of Work	Quantity	Unit	Rate (Rs)	Amount (Rs)
11	Painting of chequered plates at different location with two coats of synthetic enamel black paint i/c cleaning the surface etc. complete as required and as directed by Engineer-in-charge.	100	Sq.mtr.	150.00	15,000.00
12	Spray painting of the existing surface of 1600 KVA power transformer at Power House with two coats of ISI marked synthetic enamel paint of approved colour i/c cleaning etc. complete as required and as directed by Engineer-in-charge.	2	Job	2,300.00	4,600.00
13	Spray Painting of DG sets with two coats of heat resistant type smoke grey synthetic enamel paint after scrapping, cleaning, putty filling and applying one coat of red oxide primer coat including numbering, etc. complete as required and as directed by Engineer-in-charge.	30	Sq.mtr.	180.00	5,400.00
14	Painting of 380 KVA DG set exhaust pipe with two coats of heat resistant type silver enamel paint after scrapping, cleaning, putty filling and applying one coat of red oxide primer etc. complete as required and as directed by Engineer-in-charge.	2	Job	2,000.00	4,000.00
15	Painting of 750 KVA DG set exhaust pipe with two coats of heat resistant type silver enamel paint after scrapping, cleaning, putty filling and applying one coat of red oxide primer etc. complete as required and as directed by Engineer-in-charge.	2	Job	2,000.00	4,000.00
16	Servicing of HT OCB [11 KV] by opening the main tank, replacement of main tank gasket, opening of bus-chamber & termination chamber cleaning the same and tightening the joints, cleaning of moving & fixed contact and application of silicon grease, degreasing of gear box and refilling the grease box with grease of proper grade, cleaning of auxiliary contacts, replacement of the faulty indicating lamps and checking of mechanical system to restore healthiness and smooth operation as per site requirement & as directed by Engineer-in-Charge.	8	Job	19,000.00	1,52,000.00
17	Servicing, testing of relay (O/C 2 Nos. + E/F 1 No.) installed in HT OCB panel as incommer i/c checking functions of auxiliary relays (testing of tripping system by secondary injection kit) and calibrating the same at site etc. as directed by Engineer-in-charge.	4	Job	19,000.00	76,000.00

Item No.	Items of Work	Quantity	Unit	Rate (Rs)	Amount (Rs)
18	Servicing, testing of relay (O/C 2 Nos.+ E/F 1 No) installed in HT OCB panel as outgoing to transformers i/c checking function of auxiliary relay (confirming the tripping mechanism of the breaker due to high winding temperature, high oil temperature and due to buckloz relay activation of the connected transformer), checking of tripping system by secondary injection kit, tightening the terminals if required including pressure test at site etc. and calibration of the same, as directed by Engineer-in-charge.	4	Job	19,000.00	76,000.00
19	Arresting leakage of 1600 KVA, 11KV/0.430 KV transformer by replacement of all Gaskets with sythetic rubberised Cork sheet of thickness 6mm [min] including draining out transformer oil, dismantling top cover, disconnecting HV/LV bushing, refixing top cover after carrying out work, tightening of nut & bolts including replacement of old rusted nuts & bolts, top up transformer oil & replacement of silica gel of Breather as per specification & as directed by Engineer-in-charge.	2	Job	20,000.00	40,000.00
20	Dehydration of insulating oil of transformers, Oil Circuit Breakers and servo stabilizer, using on-line oil purification equipment (with inbuilt heating arrangement to attend break down voltage not less than 50 KV) including testing of breaking strength prior and post purification etc. complete at different locations and as directed by Engineer-in-charge.	4500	Ltr.	35.00	1,57,500.00
21	Supply and filling of Transformer oil as per relevant IS Specification for top up as per site requirement.	420	Ltr.	140.00	58,800.00
22	Inspection and calibration by OEM engineer towards of all the installed Air Circuit Breaker (ACB) (1 job : Consisting of 2500 Amp. - 3 Nos., 1250 Amp. - 7 Nos., 1000 Amp. - 3 Nos. and 800 Amp. - 13 Nos.) including checking, taking parameters and submission of report etc up to satisfaction of Engineer in charge.	2	Job	1,50,000.00	3,00,000.00
23	Providing Maintenance kit for servicing of Air Circuit Breaker (1 box per ACB)	52	Each	700.00	36,400.00
24	Inspection and calibration by OEM engineer towards all of the installed Constant Current Regulator (CCR) (1 job: consisting upto 15 nos of CCR from 4Kw upto 50 KW) including checking, taking parameters and submission of report and minor rectification works but excluding of spare parts up to the satisfaction of Engineer in charge.	4	Job	60,000.00	2,40,000.00

Item No.	Items of Work	Quantity	Unit	Rate (Rs)	Amount (Rs)
25	Extra duty performed by workers during extension of watch hour or any other requirements.				
	(a) Skilled	1000	Hour	75.00	75,000.00
	(b) Un Skilled	1000	Hour	60.00	60,000.00
26	Executing any items of CPWD-DSR-2016 as per direction of Engineer-in-charge (01 job work costing Rs.1000000/-). Note: Please refer Clause 35 at page GTT-7 while quoting the rate for this item.	1000000	Job	0.60	6,00,000.00
				Total amount Rs.	9142850.00

(Total Amount: Rupees Ninty One Lakh Forty Two Thousand Eight Hundred & Fifty only)


 (K.C. MEENA)
 Dy. G. M. (Engg.-Elect)
 AAI, Agartala Airport