



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA



Work Order

संदर्भ: भाविप्रा/झारसुगुडा/स.म.प्र (अभि-विद्युत)/ विविध जीएलएफ कार्य /व.ओ-03/2022/ दिनांक: 26.09.2022

Ref: AAI/JH/AGM (E-E)/Misc. GLF Work/WO-03/2022/ 707

Dt.: - 26.09.2022.

By: email / Speed post / Register with AD/ Hand

सेवा में /To,

मेसर्स योंगमेन ट्रेडर्स,

M/s Youngmen Traders

P-27/1, राष्ट्रगुरु आविन्यू,

P/27/1, Rastraguru Avenue,

दम दम, कोलकाता, पिन - 700028, पश्चिम बंगाल

Dum Dum, Kolkata PIN-700028, West Bengal

E-mail: - boseeranjana@hotmail.com .

Ref.: -

1. e - NIT No. - 2022_AAI_123627_1.
2. Your Tender opened on 06.09.2022.

कार्य का नाम:- विविध विद्युत कार्य एसएच:-ग्राउंड लाइट सुविधाएं/रनवे लाइटिंग सिस्टम और अन्य संबद्ध कार्य

Name of Work: - Misc Electrical works SH:-Ground Light Facilities/runway lighting system and other associated works.

Dear Sir,

1. ऊपर उल्लिखित कार्य के लिए आपकी निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आपके द्वारा उद्धृत मद दरों पर कुल रु. 55,23,215.00/- (पचपन लाख तेईस हजार दो सौ पंद्रह मात्र), जीएसटी को छोड़कर, पर स्वीकृत की जाती है जो कि निविदा में डाली गयी 74,91,341.00/- मात्र की अनुमानित लागत से 26.72% कम है।

Your tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India at the item rates quoted by you totaling to **Rs. 55,23,215.00/-** (Fifty Five Lakhs Twenty Three Thousand Two Hundred and Fifteen only), excluding GST, which is 26.27% below the estimated cost put tender of Rs. 74,91,341.00/- only.

2. सहायक महाप्रबंधक (इंजीनियरिंग इलेक्ट्रिकल), एएआई, वीएसएस एयरपोर्ट, झारसुगुडा कार्य के प्रभारी अभियंता और प्रबंधक (इंजीनियरिंग - इलेक्ट्रिकल), एएआई, वीएसएस एयरपोर्ट, झारसुगुडा उनके अधिकृत प्रतिनिधि होंगे।

Asst. General Manager (Engg. - Elect.), AAI, VSS Airport, Jharsuguda shall be the Engineer-In-Charge of the work and Manager (Engg. -E), AAI, VSS Airport, Jharsuguda shall be his authorized representative.

वीर सुरेन्द्र साई हवाई अड्डा, झारसुगुडा-768204 (ओड़ीशा) दूरभास 06645-267011 फ़ैक्स 06645-267012 मेल: elect_vejh@aai.aero

Veer Surendra Sai Airport, Jharsuguda-768204 (Odisha), Ph.: 06645-267011 Fax: 06645-267012 Mail: elect_vejh@aai.aero

नीला
26/09/22



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA



3. आपसे अनुरोध है कि इस पत्र के जारी होने के 15 दिनों के भीतर सहायक महाप्रबंधक (इंजीनियरिंग इलेक्ट्रिकल), एएआई, वीएसएस एयरपोर्ट, झारसुगुडा के कार्यालय में उपस्थित हों और अनुबंध समझौते को पूरा करें। अनुबंध समझौते को ओडिशा सरकार के गैर-न्यायिक स्टाम्प पेपर पर निष्पादित किया जाएगा तथा रु.100/- (एक सौ रुपये मात्र) के स्टाम्प पेपर की लागत आपके द्वारा वहन की जाएगी।
You are requested to attend the office of the Asst. General Manager (Engg. - Elect.), AAI, VSS Airport, Jharsuguda within 15 days of issuance of this letter and complete the contract agreement. The contract agreement shall be executed on **non-judicial stamp paper of Odisha Govt. of value Rs.100/-** (Rupees One Hundred only) and the cost of the stamp paper shall be borne by you.
4. कृपया इस पत्र के जारी होने की तारीख से 10 दिनों के भीतर सुरक्षा जमा के लिए रुपये 5,52,321.00/- (पांच लाख बावन हजार तीन सौ इक्कीस) मात्र जमा करें। ऐसा न करने पर अनुबंध दस्तावेज़ के जीसीसी के 1ए खंड संख्या की शर्त के अनुसार कटौती की जाएगी।
Please deposit **Rs. 5,52,321.00/-** (Rupees Five Lakhs Fifty-Two Thousand Three Hundred Twenty One) only towards security deposit within 10 days from the date of issue of this letter, failing which the same will be deducted as per condition of clause no. 1A of GCC of the contract document.
5. आपसे अनुरोध है कि ठेका श्रमिक (विनियमन और उन्मूलन) अधिनियम 1970 और ठेका श्रम (विनियमन और उन्मूलन) केंद्रीय नियम 1971 और न्यूनतम मजदूरी अधिनियम और केंद्र और राज्य सरकार के नियमों के प्रावधानों का पालन करें।
You are requested to comply with the provision of contract labor (Regulation and Abolition) Act of 1970 and contract labor (Regulation and Abolition) Central Rules 1971 and Minimum Wages Act and Rules there of Central and State Govt.
6. आपको प्रबंधक (इंजीनियरिंग - इलेक्ट्रिकल), एएआई, वीएसएस एयरपोर्ट, झारसुगुडा से संपर्क करने का भी निर्देश दिया जाता है। जो आपको तुरंत साइट सौंपने की व्यवस्था करेंगे।
You are also directed to contact Manager (Engg. - Elect.) AAI, VSS Airport, Jharsuguda immediately who will arrange to hand over the site to you.
7. कृपया ध्यान दें कि कार्य करने के लिए अनुमत समय 07 महीने होगा और इसकी गणना 06.10.2022 से की जाएगी।
Please note that the time allowed for carrying out the work shall be **07 Months** and shall be reckoned from **06.10.2022**.
8. ई-निविदा प्रक्रिया के दौरान उठाए गए सभी प्रश्न, स्पष्टीकरण आदि और उनके उत्तर भी समझौते का हिस्सा होंगे।
All queries, clarifications etc. raised during e-tendering process and replies there of shall also form part of the agreement.
9. आपसे अनुरोध है कि जीएसटी दरों और इनपुट टैक्स क्रेडिट विवरण यदि कोई हो, को दर्शाते और जीएसटी अधिनियम के अनुसार जीएसटीआईएन का उल्लेख करते हुए वैध जीएसटी चालान जमा करें, जिसमें एएआई वीएसएस हवाई अड्डे, झारसुगुडा की जीएसटी संख्या 21AAACA6412D1ZK1 का उल्लेख बिलों को संसाधित करने के लिए करें।

 26/09/22

वीर सुरेन्द्र साई हवाई अड्डा, झारसुगुडा-768204 (ओडीशा) दूरभास 06645-267011 फ़ैक्स 06645-267012 मेल: elect_vejh@aai.aero

Veer Surendra Sai Airport, Jharsuguda-768204 (Odisha), Ph.: 06645-267011 Fax: 06645-267012 Mail: elect_vejh@aai.aero



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA



You are requested to submit valid GST invoice as per GST act mentioning the GSTIN, indicating the GST rates applicable and input tax credit details if any for processing the bills mentioning the AAI VSS Airport, Jharsuguda GST no. 21AAACA6412D1ZK.

10. अनुबंध के संबंध में कोई और पत्राचार प्रभारी अभियंता को संबोधित करते हुए किया जाना चाहिए।

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

11. आपसे अनुरोध है कि बीसीएस से सुरक्षा मंजूरी प्राप्त करें।

You are requested to obtain security clearance from BCAS.

12. कृपया रसीद की पावती दें और इसके साथ संलग्न इस पत्र की डुप्लीकेट कॉपी को स्वीकृति के प्रतीक के रूप में अधोहस्ताक्षरी को विधिवत हस्ताक्षर करने के बाद लौटा दें।

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

भवदीय /Sincerely,

सहा महा प्रबंधक (अभि-विद्युत) / Asst. General Manager (Engg. - Elect.)

अध्यक्ष के लिए और उनकी ओर से/ For and on behalf of Chairman

भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India

Encl: -

1. Schedule – A.

सहा. महाप्रबंधक (अभि-वि) / AGM (Engg-E)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
वीर सुरेन्द्र साई हवाई अड्डा
Veer Surendra Sai Airport, Jharsuguda





AIRPORTS AUTHORITY OF INDIA
VSS AIRPORT, JHARSUGUDA
SCHEDULE OF QUANTITIES
Schedule of Quantity

Schedule - A

Name of Work : - Misc Electrical works SH:-Ground Light Facilities/runway lighting system and other associated works.

SI No	Description of Item	Qty	Unit	Rate	Amount
1	Supply of 5 KV grade, multi stranded tinned copper conductor, XLPE insulated, Polyethylene sheathed, single core and with inner and outer semi conductor, underground cable for airfield lighting generally as specified in tender specification of the following sizes as required. a) 6 sq mm	3000	Mtr	₹ 95.00	₹ 285,000.00
2	Supply of Uni-directional elevated type high intensity Runway Edge Light fitting with GREEN lens suitable for use with 150W, 6.6A halogen lamp, holder complete with all accessories including lamp and lenses or filters, C.I. Base plate etc. complete as required for runway lights as mention in technical specification, as per site condition & direction of Engineering In-Charge.	60	Set	₹ 7,000.00	₹ 420,000.00
3	Supply of Uni-directional elevated type high intensity Runway Edge Light fitting with RED lens suitable for use with 150W, 6.6A halogen lamp, holder complete with all accessories including lamp and lenses or filters, C.I. Base plate with two nos of hole for installation of two nos fittings in one CI box etc. complete as required for runway lights as mention in technical specification, as per site condition & direction of Engineering In-Charge.	30	Set	₹ 7,000.00	₹ 210,000.00
4	Supply of Bi directional inset type high intensity runway edge light fitting with clear and clear lens for aviation visual aids complete with shallow base, side cable entry and matching body of the fitting with 2 x 100W/105W, 6.6 A, pre focused reflector halogen lamps with connected heat resistant accessories, prism assembly, optical assembly, "O" ring seal pressure relief test plug, gasket cover complete with all other accessories as per ICAO specifications, as per site condition & direction of Engineering In-Charge.	4	Set	₹ 60,000.00	₹ 240,000.00
5	Supply of elevated type LED Taxiway Edge light fitting (MIRL fitting) for use as Taxiway / Apron Edge /Turning Pad lights suitable for operation at 2.8 Amps to 6.6 Amps series circuit supply current complete with suitable LEDs, omni-directional lens, lens clamping mechanism, breakable coupling, rings /gaskets, base plate with 06 nos. M-10 stainless steel bolts and including an integrated encapsulated suitable electronic converter with standard secondary lead etc. complete fitting confirming to latest ICAO standards /requirement complete as required.	67	Set	₹ 3,500.00	₹ 234,500.00
6	Supply of 150 Watt 6.6 Amps /6.6 Amps, 5 KV grade 50 Hz Isolating transformer series type encapsulated in neoprene type rubber with primary and secondary two pin leads as specified in technical specification as per site condition & direction of Engineering In-Charge.	90	Each	₹ 4,300.00	₹ 387,000.00
7	Supply of 100 Watt 6.6 Amps /6.6 Amps, 5 KV grade 50 Hz Isolating transformer series type encapsulated in neoprene type rubber with primary and secondary two pin leads as specified in technical specification as per site condition & direction of Engineering In-Charge.	18	Each	₹ 3,900.00	₹ 70,200.00

28/04/20

8	Supply of 15Watt 6.6 Amps /6.6 Amps, 5 KV grade 50 Hz Isolating transformer series type encapsulated in neoprene type rubber with primary and secondary two pin leads as specified in technical specification as per site condition & direction of Engineering In-Charge.	77	Each	₹ 2,600.00	₹ 200,200.00
9	Supply of following size copper conductor two pin secondary leads with one side male connector and other side female connector suitable for airfield lighting system and conforming to particular technical specifications etc. complete as required, as per site condition & direction of Engineering In-Charge. Size:-2 X 2.5 Sqmm & of 0.3 meter long as per site condition.	161	Each	₹ 400.00	₹ 64,400.00
10	Supplying of following size HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS with upto date amendments ,complete as per site condition & direction of Engineering In-Charge.				
10.1	63 mm dia (OD),PN-8,PE-100	2800	Mtr	₹ 135.00	₹ 378,000.00
10.2	25 mm (OD), PN-10, PE 100	940	Mtr	₹ 36.00	₹ 33,840.00
11	Laying of following size HDPE pipe at a depth of 0.8Mtr along with all accessories like socket, bend, couplers etc. Complete with fitting and cutting, jointing etc. direct in ground including excavation and making good surface as per site condition & direction of Engineering In-Charge. Size 63 mm dia (OD),PN-8,PE-100	2800	Mtr	₹ 85.00	₹ 238,000.00
12	Laying of following size HDPE pipe at a depth of 80 mm along with all accessories like socket, bend, couplers etc. ,complete with fitting and cutting, jointing etc. direct in ground/bituminous surface/PCC Surface including excavation and making good surface by suitable compound etc. as required complete as required as per site condition & direction of Engineering In-Charge. Size :25 mm (OD), PN-10, PE 100	940	Mtr	₹ 85.00	₹ 79,900.00
13	Supply and drawing of following Size of FRLS PVC insulated multistand Copper Conductor cable in the existing Steel/PVC Conduits/HDPE Pipe for secondary supply of GLF fitting from isolating transformer and making jointing with both end two pin secondary leads as per tender specification, site condition & direction of Engineering In-Charge.(a) Size: 3 x 2.5 sq mm copper conductor cable (3 runs of 2.5 sqmm)	940	Mtr	₹ 95.00	₹ 89,300.00
14	Installation, Testing, and Commissioning of inset type high intensity runway edge light fitting including core cutting in the bitumen/ runway surface fixing with suitable compound & hardener and all other accessories complete as required as per site condition & direction of Engineering In-Charge.	12	Each	₹ 11,000.00	₹ 132,000.00
15	Installation, Testing, and Commissioning of elevated type runway edge /approach light/Taxi light fitting all other accessories complete as required as per site condition & direction of Engineering In-Charge.	90	Each	₹ 200.00	₹ 18,000.00
16	Supply of C.I isolating transformer housing box, water tight round type, metal container of outside size 330 mm height 450 mm made of 10 mm thick cast iron moulding all round, except the top surface, which is 15 mm thick, cast iron moulding suitable to receive a light fitting base plate on the top and underground housing associated with transformer power cable and having a clear hole at three side surface centre 75 mm above bottom surface suitable to receive of 63 mm dia (outer dia) HDPE/G. I. pipe and including check nuts as required and another hole at 175 mm from the bottom of the CI box to receive one no. 15 mm dia, "B" class, GI pipe and check nut as required. The box should have two SS earth bolts of M10 x 30 mm tapped inside near the hole away from the hole centre and having a drain hole at the bottom suitably tapped to receive 15 mm dia, "B" class GI pipe and having clear opening of 220 mm at the top surface and 6 nos. M10 tapped hole at the hole centre 260 mm to receive fitting base plate and bolts as required as per the drawings.(triple Hole type).	126	Each	₹ 4,800.00	₹ 604,800.00

of/for
26/09/22

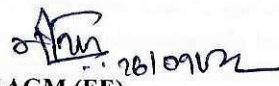
17	supply of CI collars of 50 mm height ,330mm dia,10mm thick CI moulding all around except top surface which is 15mm thick with 220mm opening on top & bottom, with 6nos. m-10 tapped hole on top and 6nos. through holes at bottom to pass m-10 bolts with three holes suitable to receive 50 mm dia (outer dia) HDPE/G. I. pipe	50	Each	₹ 2,700.00	₹ 135,000.00
18	Installation of transformer housing box / collar as per site with a 100mm thick base concrete of 1:3:6 & all round concrete of 1:2:4 of 150mm thick along with top sloped as specified i/c providing & fixing 250 mm long 15mm dia "B" class G.I Pipe with check nuts at the bottom surface for drainage of water i/c excavation, alignment & refilling as reqd & as per drawing and specifications, as per site condition as per direction of Engineering In-Charge.	176	Each	₹ 1,600.00	₹ 281,600.00
19	Making field connections by crimping 6/16 sq. mm plug and receptacle with existing 6/16 sq. mm single core PVC copper conductor cable including filling the gap with water sealant material and applying PVC insulated tape etc. complete as required, as per site condition & direction of Engineering In-Charge.	161	Set	₹ 100.00	₹ 16,100.00
20	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 5 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required, as per site condition & direction of Engineering In-Charge.				
20.1	up to 25 Sq mm	2800	Mtr	₹ 20.00	₹ 56,000.00
21	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required, as per site condition & direction of Engineering In-Charge.				
21.1	up to 25 Sq mm	25	Mtr	₹ 35.00	₹ 875.00
22	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, as per site condition & direction of Engineering In-Charge.	4	Nos.	₹ 7,000.00	₹ 28,000.00
23	Supply and laying of 6 SWG dia G.I. wire on surface/pipe/ground for loop earthing as required, as per site condition & direction of Engineering In-Charge.	2800	Mtr	₹ 16.00	₹ 44,800.00
24	SITC of Air Curtain (low noise type) operating on 230 volts 50 Hz supply with suitable fixing arrangement with suitable angle iron frame including supply of one no infra red sensor for AUTO ON/OFF system such that whenever the sliding gate door is opened the Air curtain is ON and when the door is closed the Air Curtain is OFF, including necessary power connection from the nearest power point upto 1.5 Mtr and connection and interconnection with door for auto on and off operation as per site etc, as required as per direction of Engg In Charge. (Air Curtain with 1.2Mtr Width).	5	Nos.	₹ 23,000.00	₹ 115,000.00
25	Supply, Installation, testing and commissioning of 240 kA 3 phase 4 wire Digital Portable Low Impedance equipment Grounding & bonding system with built in 100% Lightning and Surges suppressor, static charge, Noises, ESD, EPR and abnormal electrical characteristics eliminator which enter from power and other service lines and ensuring clear bonding potential (earth to Neutral voltage) less than 1.0V, a digital 6 digit lightening surge counter, self health visual status indicator and ON-LINE remote monitoring facility of Earth-Neutral voltage in a Pre-wired pulverulent body painted metal enclosure to be connected in parallel to the power supply circuit, Conforming to IEC , CE Marked, CPRI tested as per site condition etc, as required as per direction of Engineering In-Charge.	5	Nos.	₹ 155,000.00	₹ 775,000.00
26	SITC of 1.5 Ton(4500kCal/Hr capacity),5 star rating Inverter split Air conditioner (YEAR 2022 MODEL for indoor and outdoor unit) with all the internal component of indoor unit shall be fire retardant , cordless remote & fitted with rotary /scroll /semi-hermetic compressor operating on refrigerant R-32/410a or as per latest norms suitable for high wall mounting & suitable for operation on 230V, 50Hz, single phase AC supply capable of performing following functions; (i) Cooling (ii) Dehumidifying, (iii) Air Circulating, & (iv) Filtering.. (Minimum five or more star rating) including 3 mtrs refrigerant piping and 3 mtrs hard drain pipe as per site as direction of Engineering In-Charge.	4	Each	₹ 35,000.00	₹ 140,000.00
27	Supply & fixing of Iron Angle stand suitable for installation of outdoor unit of above mentioned 1.5 TR split air-conditioners including paining etc. complete as required and as per direction of Engineering In-Charge..	4	Job	₹ 1,500.00	₹ 6,000.00

Signature
26/09/22

28	Supply and fixing of Extra Refrigerant copper piping of suitable size for both suction and discharge along with suitable Nitrile Insulation and Electrical Cable of size 4 Core x 4 Sq. mm copper conductor for connection from indoor to outdoor unit and suitable necessary accessories for connection complete as required. (Two length of suction and discharge piping and one length of copper wire shall be measured one meter for this item)	60	Mtr.	₹ 1,200.00	₹ 72,000.00
29	Supply and fixing of hard PVC drain pipe connection from indoor to outside of wall including bends necessary accessories for connection etc. complete as required.	60	Mtr.	₹ 105.00	₹ 6,300.00
30	Supply of Dragon LED light(minimum 15Watt rechargeable type) with suitable lithium ion battery for running time of 8 to 10 hrs effective distance coverage in dark minimum 800 mtr with high,low,flashing, facilities with IP65 rating suitable to operate on 230V AC supply and termeparetue 4 Degree to 50 Degree .	6	Each	₹ 3,500.00	₹ 21,000.00
31	Dismantling of approach light fittings with pipe by excavation and refilling the earth and re installation of fittings on CI Box including necessary connection as per ICAO specification, annextuer 14 in line with runway centreline by checking the site elevation and as per site condition along with breakable coupling as per direction of Engineering In-Charge.	16	Job	₹ 150.00	₹ 2,400.00
32	Cutting of Runway concrete surface for laying of suitable size of HDPE Pipe upto 63 MM dia for runway lighting connection and making good with suitable compound as per site requirement and as per direction of Engineering In-Charge.	10	Cub Mtr	₹ 10,000.00	₹ 100,000.00
33	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 per direction of Engineering In-Charge.	40	Cub Mtr	₹ 300.00	₹ 12,000.00
34	SITC of Havey duty wall mounting fan suitable to oprate on 230V 50Hz AC supply and Sweep Size of 600mm with 1400 RPM as per site condition.	4	Each	₹ 6,500.00	₹ 26,000.00

Total ₹ 5,523,215.00

(Fifty Five Lakhs Twenty Three Thousand Two Hundred Fifteen Only)


 Sign of AGM (EE)
 AAI, VSS Airport, Jharsuguda
 सहा. महामंडळक (अभि-वि) / AGM (Engg-E)
 भारतीय विमानपत्तन प्राधिकरण
 Airports Authority of India
 वीर सुरेन्द्र साई हवाई अड्डा
 Veer Surendra Sai Airport, Jharsuguda

Signature Not Verified

Digitally signed by NIRAD KUMAR PATRA
 Date: 2022.09.28 11:23:08 IST
 Location: eProcurement System for Central PSUs

