



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

75
Azadi Ka
Amrit Mahotsav



Work Order

संदर्भ: भाविप्रा/झारसुगुडा/स.म.प्र(अभि-विद्)/एप्रन फ्लड लाइट/व.ओ-04/2022/716/ दिनांक: 12.10.2022.

Ref: AAI/JH/AGM (E-E)/Apron Flood Light/WO-04/2022/716/ Dt.: - 12.10.2022.

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: - boserajan@hotmail.com .

Ref.: -

1. c - NIT No. - 2022_AAI_126823_1.
2. Your Tender opened on 06.10.2022.

कार्य का नाम:- वीएसएस हवाई अड्डे, झारसुगुडा में नए लिंक टैक्सीवे और संबद्ध कार्यों के साथ 4 एबी-320 प्रकार के विमानों के लिए एप्रन का विस्तार। (उप-शीर्ष:- विद्युत कार्य (एप्रन फ्लड लाइटिंग कार्य))।

Name of Work:- Expansion of Apron for 4 Nos. of AB-320 Type of Aircraft with new Link Taxiway and allied works at VSS Airport, Jharsuguda. (SH: - Electrical Work (Apron flood lighting 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. 41,99,850.00/- (इकतालीस लाख निन्यानवे हजार आठ सौ पचास रुपये मात्र), जीएसटी को छोड़कर, पर स्वीकृत की जाती है जो कि निविदा में डाली गयी 56,03,471.00/- मात्र की अनुमानित लागत से 25.04% 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. 41,99,850.00/-** (Forty-One Lakhs Ninety-Nine Thousand Eight Hundred and Fifty only), excluding GST, which is 25.04% below the estimated cost put tender of Rs. 56,03,471.00/- only.

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



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

3. आपसे अनुरोध है कि इस पत्र के जारी होने के 15 दिनों के भीतर सहायक महाप्रबंधक (इंजीनियरिंग इलैक्ट्रिकल), एएआई, वीएसएस एयरपोर्ट, झारसुगुडा के कार्यालय में उपस्थित हों और अनुबंध समझौते को पूरा करें। अनुबंध समझौते को ओडिशा सरकार के गैर-न्यायिक स्टॉप 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 4,19,985.00/- (चार लाख उन्नीस हजार नौ सौ पिच्चासी रुपये) 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. 4,19,985.00/-** (Rupees Four Lakhs Nineteen Thousand Nine Hundred Eight-Five) 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 सहायक प्रबंधक (इंजीनियरिंग -ई), 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 Asst. 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 04 माह होगा और इसकी गणना इस पत्र के जारी होने की तिथि से 10वें दिन से की जाएगी।

Please note that the time allowed for carrying out the work shall be **04 Months** and shall be reckoned from the 10th day from the date of issue of this letter.

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.



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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 एआई वीएसएस हवाई अड्डे, झारसुगुडा की जीएसटी संख्या 21AAACA6412D1ZK का उल्लेख बिलों को संसाधित करने के लिए करें।

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

ELECTRICAL ENGG WING

VSS AIRPORT, JHARSUGUDA

Schedule of Quantity

Schedule - A

Name of Work : - Expansion of Apron for 4 Nos. of AB-320 Type of Aircraft with new Link Taxiway and allied works at VSS Airport, Jharsuguda. (SH :- Electrical Work Apron Flood lighting system).

Sl. No.	Description of Item	Qty	Unit	Rate	Amount
1	Design Supply erection testing and commissioning of polygonal, stress fit at site type GI High mast of 20 Mtr height with hot dip galvanized as per BS 729 / IS2629 suitable for wind load of 50 Mtr/Sec. as per IS 875 and latest amendments. Mast shaft shall be in multiple telescopic sections (with base plate welded to the bottom sections). It shall also include head frame, steel wire rope of minimum 7mm dia (7/19 construction), non corrosive pulley, raising and lowering mechanism consisting of suitable double drum winch assembly, galvanized lantern carriage arrangement to carry desire nos. of luminaires to maintain 20 lux average and minimum 5 lux as per ICAO, Annexure 14 and CAR to illuminate the apron (approx. size of 117 mtr x 92.5 mtr & 117mtr x 70 mtr) plus two additional fittings carry assembly to illuminate the opposite side of apron complete with control gear boxes, electric driven integral power tool (completes with internally mounted suitable electric driven 3 phase, 415 volts, 50 Hz operated integral power tool installed inside the base compartment for its operation and also manual tools for manual operation), required power & control cables including 2 runs of flexible minimum 6 core control copper cables of appropriate rating from bottom junction box to lantern carriage including SITC of 2 Nos Aviation obstruction lights with weather proof connectors, lighting arrester etc. as required for successful erection of high mast including necessary foundation bolts, anchor plates, nuts, washers, excavation for foundation, refilling, connection, fitting, fixing, plumbing, plastering, painting, RCC foundation (Design should be vetted from IITs/NITs/Jadavpur University/IISER/ NIT/NABL accredited laboratories etc.) as per soil bearing capacity as per IS 875 at site complete as required including supply and laying of required HDPE piping for incoming and out going power cabling to High mast and necessary GPS based civil survey to fix the exact location of the mast etc. complete as required as per site condition as per tender specification and as per the direction of Engineering In-Charge for successful commissioning of High Mast.	4	Job	₹3,35,000.00	₹13,40,000.00

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Sl. No.	Description of Item	Qty	Unit	Rate	Amount
2	Design, supplying, Installation, testing and commissioning of suitable LED Flood light Luminaries for 04 nos high mast suitable to operate on 230V AC power supply with minimum IP 66 rating with CCT of 5000 to 6500K (combination of symmetrical and non symmetrical if required) as per tender specification given and as per site requirement mounted at a height of 20 mtr for the illumination two nos apron of approx. size of 117 mtr x 92.5 mtr & 117mtr x 70 mtr so as to achieve desired lux level of average lux level of 20 Lux & not less than 5 lux at extremities as per ICAO, Annexure 14 and CAR along with SITC of two nos additional LED light fittings of same rating for illumination of opposite side of apron i/c its connection, interconnection with weather proof connectors, weatherproof junction box and allied accessories, driver, counter weights etc. as required . (5 year warrantee shall be provided for complete fittings i/c driver by the manufacturer in favour of AAI) etc. complete as required as per site condition as per tender specification and as per the direction of Engineering In-Charge.	1	Job	₹3,00,000.00	₹3,00,000.00
3	Supply of minimum 250 watt LED flood light of innovative die-cast Aluminium/Magnesium Alloy IP66 light fixture having minimum 35000 lumen output & minimum CCT of 5000 to 6500K i/c necessary electronic driver, high power LED lamp suitable to operate on 230V ac power supply with connector etc. as per tender specifications complete as required.(Each LED fittings should be double driver with minimum IP66 rating). (5 year warrantee shall be provided for complete fittings i/c driver by manufacturer/dealer in favour of AAI).	10	Each	₹7,000.00	₹70,000.00
4	Supply of 3.5 Core x 240 Sq.mm size 1.1 kv grade, XLPE insulated and PVC inner sheathed Aluminium conductor armoured power cable conforming to IS: 7098(Part 1)1988/ IS: 7098 (Part 1) with up to date amendments etc. complete as required.	200	Mtr	₹935.00	₹1,87,000.00
5	Supply of 4 Core x 25 Sq.mm size 1.1 kv grade, XLPE insulated and PVC inner sheathed Aluminium conductor armoured power cable conforming to IS: 7098(Part 1)1988/ IS: 7098 (Part 1) with up to date amendments etc. complete as required.	700	Mtr	₹148.00	₹1,03,600.00
6	Supply of Control cable of following sizes solid annealed plain copper conductor, XLPE insulated and PVC inner sheathed single layer of galvanized flat steel strip armoured and over all PVC sheathed 1.1KV grade confirming IS 7098 Part-I up to date amendments as required. a) 16 core X 2.5 sqmm.	650	Mtr	₹408.00	₹2,65,200.00
7	Supplying and making end termination with brass double compression gland and lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required. Size: 3.5 x 300 sqmm (Aluminium).	4	set	₹900.00	₹3,600.00

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Sl. No.	Description of Item	Qty	Unit	Rate	Amount
8	Supplying and making end termination with brass double compression gland and lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required. Size :4 X 25 sqmm (Aluminium).	10	set	₹500.00	₹5,000.00
9	Supplying and making end termination with brass double compression gland and lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required. Size :16 core X 2.5 sqmm (Copper lugs).	10	set	₹500.00	₹5,000.00
10	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/HDPE/METAL/HDPE pipe/Surface/trench as required. Above 16 sq. mm and upto 400 sq. mm.	1200	Mtr	₹25.00	₹30,000.00
11	Supply and laying of following size HDPE pipe ISI marked at a depth of 0.8Mtr along with all accessories like socket, bend, couplers etc. conforming to IS with upto date amendments ,direct in ground including excavation and making good surface as per site condition & direction of Engineering In-Charge. A) 100 mm dia (OD),PN-8,PE-100.	750	Mtr	₹415.00	₹3,11,250.00
12	Earthing with GI 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 meter long etc. with charcoal/ coke and salt as required.	12	Each	₹5,500.00	₹66,000.00
13	Providing and fixing 50 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required as per site condition.	120	Mtr	₹210.00	₹25,200.00
14.1	Supply, Installation, Testing & Commissioning of out door type double door Distribution LT Panel with suitable canopy, made of high quality GRP (Fibre Glass Reinforced Polyester)/FRP(Fiber Reinforced Polyester) totally enclosed, free standing, floor mounting, dust and vermin proof, weather proof, outdoor, suitable for operation on 3 phase and neutral, 415 V, 50 Hz AC system with copper busbars including internal wiring with (FRSL) suitable size wires/cable interconnection, bottom cable entry provision(suitable for 2nos 3.5x300 sqmm cable termination and entry), including with DMC/SMC bus bar supports, connectors, common GI earth of size 25mm X 5mm at the rear with 2 nos. earth stud including necessary foundation, specification, supply and installation of following switchgears, metering instruments and accessories in the LT Panel and as per specifications and site requirement. 1. Degree Of Protection- Minimum IP 54 2. Temperature Operating conditions- -5°C to +85degC 3. Protection against mechanical impact IK 10 4. Resistant to oil, petrol, sulphuric, acids, alcohol, seawater, salt, bituminous materials.				

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Sl. No.	Description of Item	Qty	Unit	Rate	Amount
14.2	<p>Electrical Parameters:</p> <p>System Voltage: 415 V, 50Hz, 4Wire+E</p> <p>Bus Bars : 300Amp Installation- : Outdoor/Floor Mounting</p> <p>Incoming:</p> <p>250Amp,FP,36kA,MCCB,ICS=ICU=100%-2nos</p> <p>ON/OFF Indication Lamp, with Digital Multifunction meter-2nos,RYB indication Lamp-Each 2nos</p> <p>Bus Coupler:</p> <p>250Amp,FP,36kA,MCCB,ICS=ICU=100%-1nos</p> <p>ON/OFF Indication Lamp- Each 1no</p> <p>Current Transformer,250/5A,5VA CL1-6nos</p> <p>4A SP 10kA control MCB-6nos</p> <p>2A SP 10kA control MCB-3nos</p> <p>OUTGOING:</p> <p>100Amp, FP, 25kA, MCCB,ICS=ICU=100%-8nos, all required connectors and control wiring as per site requirement</p>	1	Job	₹6,25,000.00	₹6,25,000.00
15.1	<p>Supply, Installation, Testing & Commissioning of out door type double door Distribution LT Panel with suitable canopy, made of high quality GRP (Fibre Glass Reinforced Polyester)/FRP(Fiber Reinforced Polyester) totally enclosed, free standing, floor mounting, dust and vermin proof, weather proof, outdoor, suitable for operation on 3 phase and neutral, 415 V, 50 Hz AC system with copper busbars including internal wiring with (FRSL) suitable size wires/cable interconnection, bottom cable entry provision(Suitable for 4 x 25 sqmm cable), including with DMC/SMC bus bar supports, connectors, common GI earth of size 25mm X 5mm at the rear with 2 nos. earth stud including necessary foundation, specification, supply and installation of following switchgears, metering instruments and accessories in the LT Panel and as per specifications and site requirement.</p> <p>1. Degree Of Protection- Minimum IP 54</p> <p>2. Temperature Operating conditions- -5°C to +85degC</p> <p>3. Protection against mechanical impact IK 10</p> <p>4. Resistant to oil, petrol, sulphuric, acids, alcohol, seawater, salt, bituminous materials.</p>				

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Sl. No.	Description of Item	Qty	Unit	Rate	Amount
15.2	<p>Electrical Parameters:</p> <p>System Voltage: 415 V, 50Hz, 4Wire+E</p> <p>Installation- : Outdoor/Floor Mounting</p> <p>Incoming:</p> <p>100Amp,FP,36kA,MCCB,ICS=ICU=100%-2nos</p> <p>RYB indication Lamp-Each 2nos</p> <p>96Sq.mm Digital Multifunction meter-1no</p> <p>Current Transformer,100/5A,5VA CL1-3nos</p> <p>4A SP 10kA control MCB-3nos</p> <p>OUTGOING:</p> <p>32Amp, FP, 10kA, MCB-1no</p> <p>C1-32A FP Contractor-1No</p> <p>24Hrs Timer-1No</p> <p>L1/L2-on/off indication Lamp-Each 1no</p> <p>PB1/PB2-Start/Stop push button-Each 1no</p> <p>Auto,local,remote Selector Switch-1No for Auto,local,remote operation from ATC</p> <p>2A SP 10kA control MCB-1no</p> <p>OUTGOING:</p> <p>16Amp, DP, 10kA, MCB-2nos</p> <p>10Amp, TP, 10kA, MCB-2nos</p> <p>10Amp, DP, 10kA, MCB-4nos</p> <p>C2 & C3-9A TP contractor-2nos(Raise and Lower)</p> <p>L3/L4/L5-Raise on/off/lower of indication Lamp-Each 1no</p> <p>PB3/PB4/PB5-Raise Start/Stop/Lower Start Push Button-Each 1no, all required connectors and control wiring as per site requirement.</p>	4	job	₹2,00,000.00	₹8,00,000.00
16	<p>Constructing brick masonry chamber of size 1200x1200x1200mm of size in cement mortar 1:4 (1 cement :4 coarse sand) inside cement plaster 15 mm thick with cement mortar 1:3 (1 cement: 3 Coarse sand) finished with floating coat of neat cement foundation concrete 1:3:6(1 cement: 3 coarse sand:6 graded stone aggregate 40 mm nominal size) all complete as per standard design with cover of 75 mm thick ness made by RCC in cement mortar 1:2:4(1 cement: 2 coarse sand:4 graded stone aggregate 40 mm nominal size) in two piece with 12 mm rod handle in order to easy handling and as per Tender specifications and as per directions of Engineer-In-charge.</p>	6	Job	₹10,000.00	₹60,000.00

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Sl. No.	Description of Item	Qty	Unit	Rate	Amount
17	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 directed by EIC as per site condition.	10	CUM	₹300.00	₹3,000.00
				Total	₹41,99,850.00

(Forty-One Lakhs Ninety-Nine Thousand Eight Hundred and Fifty only)

Sign. Of AGM (EE)
AAI, VSS Airport, Jharsuguda.

सह. महाप्रबंधक (अभि-वि) / AGM (Engg-E)
आरपीए विमानचरन प्राधिकरण
Airports Authority of India
वीर सुरेन्द्र साई एअरपोर्ट
Veer Surendra Sai Airport, Jharsuguda

Signature Not Verified

Digitally signed by NIRAD KUMAR PATRA
Date: 2022.10.13 15:39:12 IST
Location: eProcurement System for Central PSUs

