



भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA

75
Azadi Ka
Amrit Mahotsav



Work Order

संदर्भ: भाविप्रा/जेएच/स.म.प्र(अभि-विद्)/आग दमन व्यवस्था/व.ओ-11/2023/

दिनांक: 01.02.2023.

Ref: AAI/JH/AGM (E-E)/Fire Suppression Sys. /WO-11/2023/ 767

Dt.: - 01.02.2023.

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

सेवा में /To,
मेसर्स नेक्सस फायर एंड सिक्योरिटी सिस्टम्स
M/s Nexus Fire and Security Systems
आरएआर-107ए, राजेंद्र अरिहंत टावर, B1
कम्युनिटी सेंटर, जनकपुरी
RAR-107A, Rajendra Arihant Tower, B1
Community Centre, Janakpuri
पिन-110018, दिल्ली
PIN-110018, Delhi
E-mail: - nfss.fire@gmx.com

Ref.: -

1. e - NIT No. - 2022_AAI_134682_1.
2. Your Tender opened on 13.01.2023.

कार्य का नाम:- वीएसएस एयरपोर्ट, झारसुगुड़ा में विभिन्न सीएनएस साइटों के लिए क्लीन एजेंट फायर सप्रेसन सिस्टम (नोवेक 1230), फायर डिटेक्शन एंड अलार्म सिस्टम, ऑटो डायलर और अन्य संबंधित विद्युत कार्यों का एसआईटीसी।

Name of Work:- SITC of Clean agent fire suppression system (Novec 1230), Fire detection & alarm system, Auto dialer and other related electrical works for various CNS sites at VSS Airport, Jharsuguda.

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. 46,56,983.00/- (छियालीस लाख छप्पन हजार नौ सौ तिरासी मात्र), जीएसटी को छोड़कर, पर स्वीकृत की जाती है जो कि निविदा में डाली गयी 52,40,651.00/- मात्र की अनुमानित लागत से 11.13% 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. 46,56,983.00/-** (Forty-Six Lakhs Fifty-Six Thousand Nine Hundred and Eighty-Three only), excluding GST, which is 11.13% below the estimated cost put tender of Rs. 52,40,651.00/- only.
2. सहायक महाप्रबंधक (इंजीनियरिंग इलेक्ट्रिकल), एएआई, वीएसएस एयरपोर्ट, झारसुगुड़ा कार्य के प्रभारी अभियंता और प्रबंधक (इंजीनियरिंग -ई), एएआई, वीएसएस एयरपोर्ट, झारसुगुड़ा उनके अधिकृत प्रतिनिधि होंगे।

महा. महाप्रबंधक (अभि-वि) / AGM (Engg-E)

व्यक्तिगत निविदा
01/02/2023
Airports Authority of India



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.

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 4,65,698.00/- (केवल चार लाख पैंसठ हजार छह सौ अठानबे रुपये) जमा करें। ऐसा न करने पर अनुबंध दस्तावेज़ के जीसीसी के 1ए खंड संख्या की शर्त के अनुसार कटौती की जाएगी।

Please deposit **Rs. 4,65,698.00/-** (Rupees Four Lakhs Sixty-Five Thousand Six Hundred Ninety-Eight 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 -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 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 शुद्धिपत्र आदि और उनके उत्तर भी समझौते का हिस्सा होंगे।

All queries, clarifications, Corrigendum 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 21AAACA6412D1ZK। का उल्लेख बिलों को संसाधित करने के लिए करें।

सहा. महाप्रबंधक (अभि-वि) / AGM (Engg-E)

भारतीय विमानपत्तन प्राधिकरण

Airports Authority of India



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,


01/07/2023

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

 Airports Authority of India
वीर सुरेन्द्र साई हवाई अड्डा
Veer Surendra Sai Airport, Jharsuguda

Encl: -

1. Schedule - A.



भारतीय विमानपत्तन प्राधिकरण
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Copy (NOO): -

1. General Manager (FA), RHQ, ER, NSCBI Airport, Kolkata – 700052.
2. Jt. General Manager (FA), ER, BPI Airport, Bhubaneswar - 751020.
3. Airport Director, AAI, VSS Airport, Jharsuguda – 768204.
4. Asst. General Manager (EE), AAI, VSS Airport, Jharsuguda – 768204.
5. Manager (EE), AAI, VSS Airport, Jharsuguda – 768204.
6. Asst. Manager (EE), AAI, VSS Airport, Jharsuguda – 768204.
7. File.

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01/02/2023



AIRPORTS AUTHORITY OF INDIA

Electrical Engineering Wing
VSS Airport, Jharsuguda, Odisha

Schedule- A

Schedule of Quantity

Name of Work : - SITC of Clean agent fire suppression system (Novec 1230), Fire detection & alarm system, Auto dialer and other related electrical works for various CNS sites at VSS Airport, Jharsuguda.

Sl. No.	Description of Item	Qty	Unit	RATE (Rs.) Excl. GST	Amount (Rs.) Excl. GST
1	Supply, Installation, Testing & Commissioning of automatic fire gas (NOVAC 1230, AT 7% design concentration, flooding system comprising of the following as per NFPA 2001 & Uptodate Amendments standards complete as per tender specification, as per site requirement & as per direction of Engineer Incharge.				
1.1	Seamless storage 34 L cylinder of Novac 1230 agent complete with valve assembly, pressure gauge and pressure switch and other standard accessories.	4	Nos	₹ 71,760.00	₹ 2,87,040.00
1.2	Seamless storage 80 L cylinder of Novac 1230 agent complete with valve assembly, pressure gauge and pressure switch and other standard accessories.	4	Nos	₹ 88,205.00	₹ 3,52,820.00
1.3	Seamless storage 120L cylinder of Novac 1230 agent complete with valve assembly, pressure gauge and pressure switch and other standard accessories.	1	Nos	₹ 91,005.00	₹ 91,005.00
2	Supply, filling & handing over of clean, odourless, colour less, UL listed and suitable for fire class - A, B & C fire suppression agent (Novec 1230 fire suppression fluid) for item no 1. etc. complete as per tender specification, as per site requirement & as per direction of Engineer Incharge.	373	Kgs	₹ 2,365.00	₹ 8,82,145.00
3	Supply, Installation, Testing & Commissioning of Control head suitable for operating electrically from fire detection and control panel with all accessories. Suitable for auto operation of NOVAC1230 System complete as per site requirement & as per direction of Engineer Incharge.	9	Nos	₹ 30,820.00	₹ 2,77,380.00
4	Supply, Installation, Testing & Commissioning of Manually operated actuator to operate the gas manually from the cylinder with all accessories complete as per tender specification, as per site requirement & as per direction of Engineer Incharge.	9	Nos	₹ 2,900.00	₹ 26,100.00
5	Supply, Installation, Testing & Commissioning of Pneumatic actuator valve 1.2bar-6bar 24V or 230V AC for triggering the cylinder assembly complete as requirement complete as per tender specification, as per site requirement & as per direction of Engineer Incharge.	9	Nos	₹ 22,655.00	₹ 2,03,895.00
6	Supply, Installation, Testing & Commissioning of Directional Valve 1/2"-4" 24V as per requirement complete as per tender specification, as per site requirement & as per direction of Engineer Incharge.	13	Nos	₹ 55,200.00	₹ 7,17,600.00
7	Supply, Installation, Testing & Commissioning of High pressure flexible rubber discharge hose with braided reinforcement complete as per tender specification, as per site requirement & as per direction of Engineer Incharge.	9	Nos	₹ 10,506.00	₹ 94,554.00
8	Supply, Installation, Testing & Commissioning of Discharge nozzles designed to provide the proper flow and distribution of gas to flood hazard area at - 360 degrees/as per tender specification, as per site requirement & as per direction of Engineer Incharge.	32	Nos	₹ 4,082.00	₹ 1,30,624.00
9	Supply, Installation, Testing & Commissioning of Gas discharge pressure switch to trip A.C., electrical equip. etc for NOVAC 1230 System complete as per tender specification, as per site requirement & as per direction of Engineer Incharge.	9	Nos	₹ 11,615.00	₹ 1,04,535.00
10	Supply, Installation, Testing & Commissioning of Manifold check valve to permit removal of individual FM storage cylinders as per requirement for NOVAC 1230 System complete as per tender specification, as per site requirement & as per direction of Engineer Incharge.	9	Nos	₹ 11,902.00	₹ 1,07,118.00
11	Supply, Installation, Testing & Commissioning of Manual gas release station having manual break glass push button type call points with auxiliary contacts, hammer etc for NOVAC 1230 System complete as per tender specification, as per site requirement & as per direction of Engineer Incharge.	17	Nos	₹ 1,000.00	₹ 17,000.00



Airports Authority of India
वीर सुरेन्द्र नाई हवाई अड्डा
Veer Surendra Naik Airport, Jharsuguda

Sl. No.	Description of Item	Qty	Unit	RATE (Rs.) Excl. GST	Amount (Rs.) Excl. GST
12	Supply, Installation, Testing & Commissioning of Manual gas abort station having manual break glass push button type call points with auxiliary contacts, hammer gland etc for NOVAC 1230 System complete as per tender specification, as per site requirement & as per direction of Engineer Incharge.	17	Nos	₹ 1,000.00	₹ 17,000.00
13	Design, Supply, Installation, Testing & Commissioning of Fire Alarm Gas release panel with built in time relay, auto/manual selector switch, housed in a suitable 16 SWG M.S. Sheet panel for succesful auto operation of NOVAC 1230 System during fire condition. The control panel shall have the arrangement for Audio / Visual indications by dual lamps LED's for fire and fault in each zone with lamp test facility. The control panel shall be provided with standby power supply of 2 x 12 volts, 7 AH sealed maintenance free batteries complete with circuit wiring etc., as per IS : 2189 & uptodate Amendment and have Provision for testing each circuit separately including resetting complete as per tender specification, as per site requirement & as per direction of Engineer Incharge.	17	Nos	₹ 15,444.00	₹ 2,62,548.00
14	Supplying, installation, testing and commissioning of conventional, optical / ionisation type smoke detector , conforming to UL/LPCB/FMI/EN-54, with all accessories viz : indicator, base, base box etc. to be installed on ceiling / false ceiling etc. complete as per site requirement & as per direction of Engineer Incharge.	32	Nos	₹ 1,228.50	₹ 39,312.00
15	Providing and fixing of Class-C heavy duty M.S. seamless pipe ASTM A-106(Sch 40) complete with all fittings painting with one coat of red oxide and 2 coats of enamel paint; piping to be fixed on ceiling with MS suspended supports, clamps anchor fastners, cutting chases / holes in valve ceiling and making good the same as required for the 50 mm sizes (Make : Maharashtra seamless / Tata) complete as per site requirement & as per direction of Engineer Incharge.	234	Mtr	₹ 1,700.00	₹ 3,97,800.00
16	Supply and laying of PVC insulated, PVC sheathed, FRLS armored copper conductor of cable as per IS 1554- Part- 1 of size 2x1.5 sq. mm complete as per site requirement & as per direction of Engineer Incharge.	700	Mtr	₹ 112.00	₹ 78,400.00
17	Supplying, installation, testing and commissioning automatic telephone dialer module along with SIM card (Recharged till defect liability period) operating on GSM mobile sets, compitable to conventinal type fire control panel, capable of delivering pre recorded voice to preset telephone no in case of fire thorough mobile net work etc. complete as per site requirement & as per direction of Engineer Incharge.	14	Nos	₹ 5,733.00	₹ 80,262.00
18	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. complete as per site requirement & as per direction of Engineer Incharge.	68	Nos	₹ 1,697.00	₹ 1,15,396.00
19	Earthing with copper earth plate 600 mm X 600 mm X 3 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 complete as per site requirement & as per direction of Engineer Incharge.	4	Set.	₹ 26,320.00	₹ 1,05,280.00
20	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. complete as per site requirement & as per direction of Engineer Incharge.	50	Mtr	₹ 110.00	₹ 5,500.00
21	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. complete as per site requirement & as per direction of Engineer Incharge.	50	Mtr	₹ 1,747.00	₹ 87,350.00
22	Supply and Installation of Numeric Make 2 KVA UPS.output volatge 230V, 50Hz suitable to operate on 170 to 250 V input Voltage with 6 nos. Sealed Maintenance Free 12V, 26/28 AH battery complete as per site requirement & as per direction of Engineer Incharge.	1	Nos.	₹ 63,414.00	₹ 63,414.00
23	Supply and Installation of Vertical air terminal 1 Mtrs.long made with solid 16 mm. dia. Copper rod tapered to 10mm dia complete as per site requirement & as per direction of Engineer Incharge.	2	Nos.	₹ 4,563.00	₹ 9,126.00

महा.महावर्धक (अभि-वि) / AGM (Engg-E)



भारतीय विमानपत्तन प्राधिकरण

Airports Authority of India

वीर सुरेन्द्र साई हवाई अड्डा

Veer Surendra Sai Airport, Thiruvananthapuram

Sl. No.	Description of Item	Qty	Unit	RATE (Rs.) Excl. GST	Amount (Rs.) Excl. GST
24	Supply and Erection of 7 mtr high mast made with suitable size GI pipe along with two sets of guy wire sets. Foundation base plate foundation bolts etc. and other mounting accessories etc. complete as per site requirement & as per direction of Engineer Incharge.	2	Nos.	₹ 14,157.00	₹ 28,314.00
25	Supply, Installation Testing and Commissioning of 14 Ltr. RO Purifier minimum 12Ltr./Hr. Filtration Capacity with 40 Ltr. Water cooler minimum 5Ltr./Min. water flow rate complete as per site requirement & as per direction of Engineer Incharge.	3	Set.	₹ 15,795.00	₹ 47,385.00
26	Supply, Installation Testing and Commissioning of 25 Ltr. Storage 5star rated Water Geyser complete as per site requirement & as per direction of Engineer Incharge.	2	Nos.	₹ 14,040.00	₹ 28,080.00
Total					₹ 46,56,983.00

(RUPEES FORTY SIX LAKHS FIFTY SIX THOUSAND NINE HUNDRED EIGHTY THREE ONLY)


 Sign. Of AGM(EE) 01/02/2023
 AAI, VSS Airport Jharsuguda
 महा.महाप्रबंधक (अधि-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: 2023.02.01 17:49:37 IST
 Location: eProcurement System for Central
 PSUs