

Work Order

Ref: AAI/JH/AGM (E-E)/O&M Fire work/WO-14/2021/446

Dt.: - 22.04.2021.
23

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

M/s CENTRE TAP ENGINEERING,
30, Kameswar Twins, 100 Foot Road,
Shreyas Tekra, Ahmedabad - 380015,
Telephone: - 91 - 79 - 26620613,
Mob. No.: - 91-9825358540
E-mail: - centretap@hotmail.com.

Ref.: -

1. e - NIT No. 2021_AAI_69103_1.
2. Your Tender opened on 11.03.2021.
3. AAI Letter No : AAI/JH/AGM(EE)/FADS/2021-22/436/241-243 Dtd. 09.04.201
4. Your Clarification e-mail Dtd. 13.04.2021

Name of Work: - Operation and Maintenance of Fire Detection, Alarm and Fighting System for two years (2021-2023) at VSS Airport, Jharsuguda.

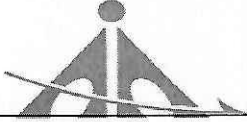
Dear Sir,

1. 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. 73,69,400.00/-** (Seventy-Three Lakh Sixty-Nine Thousand Four Hundred only), excluding GST, which is 8.69% below the estimated cost put tender of Rs. 80,70,834.00/- only.
2. Asstt. General Manager (Engg. El), AAI, VSS Airport, Jharsuguda shall be the Engineer-In-Charge of the work and Manager & Jr. Exe. (Engg. -E), AAI, VSS Airport, Jharsuguda shall be his authorized representative.
3. You are requested to attend the office of the Asstt. General Manager (Engg. El), AAI, VSS Airport, Jharsuguda by 03.05.2021 to sign 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. The Earnest Money Deposit (EMD) of Rs. Nil (exempted EMD Declaration in Company letter head 'Annexure-A') received along with the tender will be treated and converted as part of Security Deposit as per condition of clause 14 / IV of GCC (General Rules and Directions) of the contract document. Please deposit **Rs.7,36,940.00/-** (Rupees Seven Lakh Thirty-Six Thousand Nine Hundred Forty) 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.

वीएसएस हवाई अड्डा
VSS Airport

पो: दुर्लगा, झारसुगुडा- 768 204, ओडीशा
Po: Durlaga, Jharsuguda- 768204, Odisha

ईमेल: elect_vejh@aai.aero
Email: elect_vejh@aai.aero



भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA

5. 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. You are also directed to contact Manager / Jr. Exe. (Engg. -E), AAI, VSS Airport, Jharsuguda immediately who will arrange to hand over the site to you w.e.f 01.06.2021.
7. Please note that the time allowed for carrying out the work shall be **02 Years** and same shall be reckoned from **01.06.2021**.
8. All queries, clarifications etc. raised during e-tendering process and replies there of shall also form part of the agreement.
9. 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. Please note that you have to submit security clearance from BCAS or apply for the same in e-sahaj portal, if not already obtained, followed by the submission of security programme and obtain AEPs / TAEPs for your workmen before starting of the work.
11. Any further correspondence in connection with the contract should be addressed to the Engineer-in-charge.
12. 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.

Sincerely,

Asst. General Manager (Engg. - E)
For and on behalf of Chairman
Airports Authority of India

Encl: -

1. Schedule – A.

Copy (NOO): - (Internal)

1. The GM (Engg. - E), AAI, RHQ-ER, NSCBI Airport, Kolkata-700052.
2. The GM (FA), AAI, RHQ-ER, NSCBI Airport, Kolkata-700052.
3. The Dy. GM (EE), AAI, RHQ-ER, NSCBI Airport, Kolkata-700052.
4. Airport Director, AAI, VSS Airport, Jharsuguda-768204.
5. The Manager / Jr. Exe. (EE), AAI, VSS Airport, Jharsuguda-768204.
6. File.

Copy (NOO): - (External)

1. The Assistant Labour Commissioner, Jharsuguda, Odisha.
2. The Commissioner, EPFO, Jharsuguda, Odisha.





Airports Authority of India
Engineering Wing (Electrical)
V S S Airport, Jharsuguda.

Schedule - A

SCHEDULE OF QUANTITY

NAME OF WORK : Operation and Maintenance of Fire Detection, Alarm and Fighting System for two years (2021-2023) at VSS Airport, Jharsuguda .

Sl. No.	DESCRIPTION OF ITEMS	QTY.	UOM	RATE (Excluding GST)	AMOUNT (Excluding GST)
	SH : I : Operation and Maintenance				
1	Job contract for round the clock (24X7) operation & daily maintenance of Fire Hydrant system, Novec-1230 Gas Suppression System, Sprinkler System, Down Comers and analogue addressable fire detection & alarm system with all accessories / units /wiring viz like Pumps, Engines, Control Panel, valves , pipe lines, Alarm Panels, repeater panel,auto dialers,detectors, MCPs, hooters etc. for Terminal Building, ATC Tower Cum Technical Block,DVOR,NDB,MSSR, Glide path,Localiser and Fire Station (as detailed in the inventory) on all days including sunday / holidays etc complete as required as per the special condition of the contract excluding spare parts.	24	MON	₹ 2,80,000.00	₹ 67,20,000.00
2	Monthly Service Contract through specilization engineer / agency for preventive/periodical/unlimited break down maintenance of Fire Hydrant system, Novec- 1230 Gas Suppression System, Sprinkler System, Down Comers and analogue addressable fire detection & alarm system with all accessories / units /wiring viz like Pumps, Engines, Control Panel, valves , pipe lines, Alarm Panels, repeater panel,auto dialers,detectors, MCPs,hooters etc. for Terminal Building, ATC Tower Cum Technical block,DVOR,NDB,MSSR and Fire Station (as detailed in the inventory) etc complete as required as per the special condition of the contract excluding spare parts.	24	MON	₹ 400.00	₹ 9,600.00
3	Carrying out of Monthly Maintenance of Diesel Engine (72 BHP Engine make : KOEL, Model: 4R1040T) through the OEM/authorized Service Dealer etc. complete as required including replacement of B -check maintenace by providing all spares like oil filters, fuel filters, Lub oil and coolant at every six months etc as required.	24	MON	₹ 500.00	₹ 12,000.00
4	Monthly maintenance of 1 No x 125 KVA Greaves Cotton Ltd make DG set (Model no.TD4L4) for preventive (monthly) and break down (unlimited) maintence through OEM/ authorized service dealer including reapiing / replacing and adjustment of elements assemblies and sub-assemblies etc. but excluding major overhauling, top overhauling and rewinding and spare parts etc. complete as required. (Spares parts excluded)	36	MON	₹ 400.00	₹ 14,400.00
	Supply of following B/C-check spraes for item no - 4 as and when required				
4.1	L.O.FLTR+ELEMENT V8/V6	16	EA	₹ 200.00	₹ 3,200.00
4.2	FILT. ELEMENT WITH O RING	16	EA	₹ 200.00	₹ 3,200.00
4.3	FILTR. INSRT WITH O RING	16	EA	₹ 200.00	₹ 3,200.00
4.4	GASKET-CYL.HEAD COVER	40	EA	₹ 100.00	₹ 4,000.00
4.5	OUTER ELEMENT TD4L4	8	EA	₹ 200.00	₹ 1,600.00

22/4/21

Pg. No:- 1/4

SCHEDULE OF QUANTITY

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Sl. No.	DESCRIPTION OF ITEMS	QTY.	UOM	RATE (Excluding GST)	AMOUNT (Excluding GST)
4.6	INNER ELEMENT TD4L4	8	EA	₹ 200.00	₹ 1,600.00
4.7	GREAVES LUB OIL 20Ltr. CI-4	12	EA	₹ 4,000.00	₹ 48,000.00
4.8	COOLANT ADDITIVE 5LT PACK	8	EA	₹ 400.00	₹ 3,200.00
	SH : II : Supply of following Spare Parts for existing Edward/Siemens make fire alarm system as and when required				
5	Supply of auto dialer to connect to existing fire alarm system.	1	EA	₹ 1,600.00	₹ 1,600.00
6	Supply of Analogue Addressable type Optical Smoke Detector as per UL / LPCB / FM / EN-54 complete with all accessories like base etc. to be installed under/above false ceiling, roof and concealed space, etc.suitable to connect in existing system complete as required. (Make : EST/Siemens)	74	EA	₹ 600.00	₹ 44,400.00
7	Supply of Analogue Addressable type Heat Detector (Fixed cum-rate of rise type) with range upto 60oC , as per UL / LPCB / FM / EN-54 complete with all fixing accessories like base, etc. to be installed under/above false ceiling, roof and concealed space, etc.suitable to connect in existing system complete as required.(Make EST/Siemens).	1	EA	₹ 600.00	₹ 600.00
8	Supply of Analogue Addressable type Manual call point , as per UL / LPCB / FM / EN-54 complete with all fixing accessories like base, etc. to be installed under/above false ceiling, roof and concealed space, etc. complete as required.(Make : EST/ Siemens)	7	EA	₹ 600.00	₹ 4,200.00
9	Supply of Hooter as per UL / LPCB / FM / EN-54 complete with all fixing accessories like base, etc. to be installed under/above false ceiling, roof and concealed space, etc. complete as required.	5	EA	₹ 600.00	₹ 3,000.00
10	Supply of Response Indicator as per UL / LPCB / FM / EN-54 complete with all fixing accessories like base, etc. to be installed under/above false ceiling, roof and concealed space, etc. complete as required.	6	EA	₹ 40.00	₹ 240.00
11	Supply of Control module / loop isolator / input output module for analogue addressable fire detection and alarm System , as per UL / LPCB / FM / EN-54 complete with all fixing accessories like base, etc. to be installed under/above false ceiling, roof and concealed space, etc. complete as required.	14	EA	₹ 800.00	₹ 11,200.00
12	Supplying of 20 mm medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit with extra bends on surface as required:	100	M	₹ 10.00	₹ 1,000.00
13	Supplying of 2 x 1.5 sqmm FRLS unarmoured cable, 600 / 1000V rated with annealed copper conductor as per applicable IS standard complete in existing surface / recessed steel / PVC conduit as required.	100	M	₹ 12.00	₹ 1,200.00
14.1	Supply of Base Card suitable for existing Seimens make fire alarm addressable panel (Model : FHD 2002 R3)	2	EA	₹ 20,000.00	₹ 40,000.00
14.2	Supply of Display Card suitable for existing Seimens make fire alarm addressable panel (Model : FHD 2002 R3)	2	EA	₹ 30,000.00	₹ 60,000.00


22/4/21

SCHEDULE OF QUANTITY

NAME OF WORK : Operation and Maintenance of Fire Detection, Alarm and Fighting System for two years (2021-2023) at VSS Airport, Jharsuguda .

Sl. No.	DESCRIPTION OF ITEMS	QTY.	UOM	RATE (Excluding GST)	AMOUNT (Excluding GST)
14.3	Supply of Power Card suitable for existing Seimens make fire alarm addressable panel (Model : FHD 2002 R3)	2	EA	₹ 10,000.00	₹ 20,000.00
14.4	Supply of External Loop Card suitable for existing Seimens make fire alarm addressable panel (Model : FHD 2002 R3)	2	EA	₹ 10,000.00	₹ 20,000.00
14.5	Supply of Base Card suitable for existing Edward make fire alarm addressable panel (Model : EST 3X/ EST 3)	2	EA	₹ 20,000.00	₹ 40,000.00
14.6	Supply of Display Card suitable for existing Edward make fire alarm addressable panel (Model : EST 3X/ EST 3)	2	EA	₹ 10,000.00	₹ 20,000.00
14.7	Supply of Power Card suitable for existing Edward make fire alarm addressable panel (Model : EST 3X/ EST 3)	2	EA	₹ 10,000.00	₹ 20,000.00
14.8	Supply of External Loop Card suitable for existing Edward make fire alarm addressable panel (Model : EST 3X/ EST 3)	2	EA	₹ 8,000.00	₹ 16,000.00
	SH : III : Supply of Spare Parts for fire fighting system as and when required				
	Refilling of following type Fire extinguishers including painting, repairing as needed, with necessary tests along with hydraulic tests etc. as required for smooth functioning of extinguishers including To & fro transportation.				
15	CO2 - 4KG	6	EA	₹ 160.00	₹ 960.00
16	ABC- 6 KG	7	EA	₹ 100.00	₹ 700.00
17	Water -9 ltr	2	EA	₹ 100.00	₹ 200.00
18	Foam - 9 ltr	6	EA	₹ 100.00	₹ 600.00
19	Hydraulic Testing of 80 ltr/ 120 ltr seamless cylinder for Novec 1230 gas suppression system from CCOE approved factory including unloading and reloading the gas and make up the loss, transportation, insurance etc. complete as required.	2	EA	₹ 20,000.00	₹ 40,000.00
20	Hydraulic Testing of 46.7 ltr seamless cylinder for Novec 1230 gas suppression system from CCOE approved factory including unloading and reloading the gas and make up the loss, transportation, insurance etc. complete as required.	2	EA	₹ 16,000.00	₹ 32,000.00
21	Supply of pressure guage 0-200 PSI (0 - 14 Kg) range, 3/8" BSP bottom entry, 4" dial weather proof with stainless steel internals, siphon tube amd ball valve including fittings, etc. complete as required	6	EA	₹ 600.00	₹ 3,600.00
22	Supply of industrial type pressure switch having 1/4" BSP(F) connection IP:32 enclosure protection, phosphor bronze bellows as sensing element, SDPT contact system, switch rating 6A Inductive/IOA resistive 380 V AC, 0.2A Inductive/10A resistive 250V DC suit with ball valve etc. complete as required.	3	EA	₹ 600.00	₹ 1,800.00
23	Providing, of 15mm dia pendent quartzoid bulb type sprinklers of rating 68 degree centigrade with required accessories :	3	EA	₹ 100.00	₹ 300.00

[Signature]
22/4/21

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Sl. No.	DESCRIPTION OF ITEMS	QTY.	UOM	RATE (Excluding GST)	AMOUNT (Excluding GST)
24	Supplying of 150mm dia double flanged sluice valve of rating PN 1.6 with non rising spindle, bronze/gun metal seat, ISI marked complete with nuts, bolts,washers, gaskets and conforming to IS 780 of following sizes as required	2	EA	₹ 3,000.00	₹ 6,000.00
25	Supplying of 80 mm dia double flanged sluice valve of rating PN 1.6 with non rising spindle, bronze/gun metal seat, ISI marked complete with nuts, bolts,washers, gaskets and conforming to IS 780 of following sizes as required	2	EA	₹ 1,600.00	₹ 3,200.00
26	Supplying of 65 mm dia double flanged sluice valve of rating PN 1.6 with non rising spindle, bronze/gun metal seat, ISI marked complete with nuts, bolts,washers, gaskets and conforming to IS 780 of following sizes as required	1	EA	₹ 1,200.00	₹ 1,200.00
27	Providing, 150 mm dia of non-return valve of confirming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc.as required :	1	EA	₹ 2,000.00	₹ 2,000.00
28	Providing 80 mm dia of non-return valve of confirming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc.as required :	1	EA	₹ 1,600.00	₹ 1,600.00
29	Supplying and fixing 63 mm dia, 15 m long RRL hose pipe with 63 mm dia male and female couplings gunmetal duly bound with GI wire, rivets etc. conforming to IS 636 (type-A) as required	2	EA	₹ 1,600.00	₹ 3,200.00
30	Providing, laying, testing and commissioning of following C class heavy duty MS pipe conforming to IS: 1239 / IS: 3589 part - I including MS fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. with welded joints at water leakage places in the under ground with excvation of soil/hard stand/cement road/bituminous road etc or MS angle support on the surface including two coats of painting complete as per technical specifications.				
a	80 mm dia	25	Mtr	₹ 1,000.00	₹ 25,000.00
b	150 mm dia	25	Mtr	₹ 2,000.00	₹ 50,000.00
	SH : IV : Miscellaneous items				
31	Providing temporary illumination with standard coloured serial LED lamps sets on different occassions for the Terminal building, statue, trees and car parking garden with required cables as directed by the Engineer-In - Charge.(Containing minimum 50 Nos of lamps per set and quanti of sets are required for each occassions will be decided by EIC).	7200	Set/day	₹ 8.00	₹ 57,600.00
32	Providing temporary multi coloured LED Flood light fitting on different occassions for the Terminal building, and statue with required cables as directed by the Engineer-In - Charge.(The quantity required for each occassion will be decided by E-I-C)	600	Each/day	₹ 20.00	₹ 12,000.00
	Grand Total				₹ 73,69,400.00
	Say				₹ 73,69,400.00

NOTE: GST, ESI, EPF, BONUS & Change in VDA will be reimbursed after providing documentary proof

(Rupees Seventy-Three Lakh Sixty-Nine Thousand Four Hundred Only)

 22/04/2021
 महाप्रबंधक (ऑप-मि) / AGM (O&M)
 भारतीय विमानन प्राधिकरण
 Airports Authority of India
 वीर सुरेन्द्र साह जवाई अरड़ा
 Veer Surendra Sah Airport, Jharsuguda
 Pg. No. 4/4