



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

No. AAI/RHQ-SR/ED-II/FSS/WO-04/2024-25/01

Date: 10.01.2025

M/s. Advent Electric Technologies Pvt. Ltd
Y-51, Ground Floor,
Okhla Industrial area,
Phase-II, Delhi-110020 (INDIA)

NAME OF WORK: Provision of Automatic Gaseous Fire Suppression System for NAV-AIDs Sites at RHQ, Southern Region, Chennai Airport including AICMC of Automatic Gaseous Fire Suppression System for 05 Years after 02 Year DLP.

Ref: 1. AAI Tender ID : 2024_AAI_ 213050_1
2. e - Tender (Price Bid): Opened on 11.12.2024

Dear Sir,

1. Your tender for the work mentioned above is hereby accepted by the Competent Authority on behalf of Chairman, Airports Authority of India, at the item rates quoted by you totaling to **Rs. 54,82,222.00** (Rupees Fifty Four Lakhs Eighty Two Thousand Two Hundred and Twenty Two Only) Plus applicable GST which is 31.02% below the justified cost of **Rs. 79,47,931.00** Plus applicable GST which will be paid extra as per actual.
2. Senior Manager (Engg-E), ED - II, AAI, RHQ-SR, Chennai Airport, Chennai shall be the Engineer-In-Charge of the work. You are requested to attend to the Office of Senior Manager (Engg-E), ED - II, AAI, RHQ- SR, Chennai Airport, Chennai by **20.01.2025** to sign and complete the Contract 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.
3. Please deposit **Rs. 5,48,222.00** (Rupees Five Lakhs Forty Eight Thousand Two Hundred and Twenty Two 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 bills as per the Clause of 1-A of Clauses of Contract.
4. You are requested to comply with the provision of Contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central Rules 1971 and Minimum Wages Act and Rules there of Central and State Government.
5. You are also directed to contact Senior Manager (E-E), ED - II AAI, SR, New Operational Office, RHQ-SR, Chennai Airport Chennai or his authorized representatives immediately who will arrange to hand over the site to you.

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6. Please note that the time allowed for carrying out the work shall be **03 (Three) months** for provisions work which shall be reckoned with effect from **20.01.2025** and 05 years for AICMC work after expiry of Defect Liability Period (02 years).
7. Any further correspondence in connection with the contract should normally be addressed to the Senior Manager (E-E), ED - II, AAI, New Operational Office, RHQ-Southern Region, Chennai Airport, Chennai 600 016.
8. On completion of work / at the time of raising invoice for RA bills, you are requested to clearly indicate AAI GST No. 33AAACA6412D1ZF in your tax invoice.
9. 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.

Thanking you,

Encl: 1) Schedule of Quantity.

Yours faithfully,

Sd/-
Senior Manager (E-E)
AAI, RHQ-SR, Chennai Airport

Copy to:

1. GM (Engg)/AAI, RHQ-SR, Chennai - For information please.
2. JGM (F&A)/ AAI, RHQ-SR, Chennai - FC accorded by AGM (FIN)-SR vide Note no#53 dated:09.01.2025 in e-office File No.SR-16023(20)/1/2024-CNS-SR (Computer no.235760).
3. JGM (E-E)/ AAI, RHQ-SR, Chennai - For Information please.
4. AM (E-E)/ AAI, RHQ-SR, Chennai - For follow-up action please.
5. AAI Website/OC.

(A. Narasimha Prasad)
Senior Manager (E-E)
AAI, RHQ-SR, Chennai Airport.

ए. नरसिम्हा प्रसाद
A. NARASIMHA PRASAD
वरिष्ठ प्रबंधक (अभि - विद्युत)
SENIOR MANAGER (ENGG. - ELECT.)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
दक्षिणी क्षेत्र / Southern Region
चेन्नई / Chennai - 600 016



AIRPORTS AUTHORITY OF INDIA
RHQ - SOUTHERN REGION
CHENNAI - 600 016
SCHEDULE OF WORK

Schedule - A

Name of Work : Provision of Automatic Gaseous Fire Suppression System for NAV-AIDs Sites at RHQ, Southern Region, Chennai Airport including AICMC of Automatic Gaseous Fire Suppression System for 05 Years after 02 Years DLP.

SI No	Description of Item	Qty	Unit	Basic Rate [EXCL GST]	Total Amount [with out GST]
1	SH-I : SITC of Automatic Gaseous Fire Suppression System				
1.01	Supply, Installation, Testing and Commissioning of 80 litre capacity, seamless, high pressure, cylinder assembly, conforming to IS - 7285 (PT-2): 2004 or UL - 2166 etc. complete as required including valve, bracket assembly, pressure guage and 2 inch flexible discharge hose etc. complete as required.	5.00	Each	120000.00	6,00,000.00
1.02	Supply, Installation, Testing and Commissioning of 34 litre capacity, seamless, high pressure, cylinder assembly, conforming to IS - 7285 (PT-2): 2004 or UL - 2166 etc. complete as required including valve, bracket assembly and 2 inch flexible discharge hose etc. complete as required.	10.00	Each	81000.00	8,10,000.00
1.03	Supply and filling of clean, odourless, colour less, UL listed and suitable for fire class - A, B & C fire suppression agent (FK-5-1-12 Clean Agent) etc. complete as required.	441.00	Kg	1850.00	8,15,850.00
1.04	Supply, Installation, Testing and Commissioning of 24 V DC, Electric Actuator and Local /manual pneumatic actuator for triggering the cylinder assembly etc. complete as required.	15.00	Each	18000.00	2,70,000.00
1.05	Supply, Installation, Testing and Commissioning of Low pressure switch for the cylinder assembly etc. complete as required.	15.00	Each	6000.00	90,000.00
1.06	Supply, Installation, Testing and Commissioning of Manual Gas Release Station etc. complete as required.	15.00	Each	1600.00	24,000.00
1.07	Supplying, installation, testing and commissioning of Manual Gas Abort Station etc. complete as required.	15.00	Each	1600.00	24,000.00
1.08	Supply and fixing of suitable size (as per hydraulic flow calculation) nozzle with orifices etc. complete as required.	28.00	Each	4000.00	1,12,000.00
1.09	Supply and laying of MS pipe (M.S. Seamless To ASTM A-106, SCH. 40) red painted with all fittings & supports, etc. on surface/ recess/ above false ceiling/ concealed space/ wall concealed complete as required as per site requirement. (Note: Lot comprises of required length of suitable size MS pipe and associated pipe accessories like Bend, Tee, Elbow & Coupling etc. for each location)	15.00	Job	52000.00	7,80,000.00

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SMG

SI No	Description of Item	Qty	Unit	Basic Rate [EXCL GST]	Total Amount [with out GST]
1.10	Supply, Installation, Testing & Commissioning of UL / EN listed (latest version) Modular Microprocessor based expandable intellegent Addressable Type Fire Alarm Control Panel with gas release module of two loops, with minimum 320 character graphics / LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM), The panel should be equiped with loop capacity to take minimum 240 intellegent addressable detectors/ devices (In any combination) in one loop. Four access levels, capable of taking Protocol Devices, Graphical Display, sufficient numbers of programmable relay controls for controlling ventilation fan, fire pump room, monitoring of fire sprinkler and fire hydrant pump, 230 volts, 50 Hz AC power supply, automatic battery charger, 24 volts sealed maintenance free lead acid batteries sufficient for 2 hours normal working and then be capable of operating the system for 30 minutes during an emergency / fault conditions along with battery stand as required. The panel shall have facility for seamless integration with PA system (For Giving trigger Signal to Start pre-recorded Digital Voice Evacuation from PA system in case of fire). The panel shall be compatible for Building Management System with open protocol BACNET / MODBUS etc. as per specification, complete as required.	6.00	Each	100000.00	6,00,000.00
1.11	Supply, Installation, Testing & commissioning of UL / EN listed (latest version) intelligent addressable multi criteria detector (Smoke + heat) with inbuilt fault isolator / isolator base and with unique optical sensing chamber, visible LED, fully coated circuit board, superior RF / Transient protection suitable for 2 wires loop connection, complete with plug into common separate base & housing constructed of LEXAN (or polycarbonate) complete with connections etc. as required and to be installed below / above false ceiling roof and concealed space and as per enclosed specifications, complete as required. (Cost of plug in common base shall deemed to be included in cost of detectors)	56.00	Each	2400.00	1,34,400.00
1.12	Supply, installation, testing and commissioning of UL / EN listed (Latest Version) Response Indicators for getting fire indications of detectors i/c mounting boxes installed above false ceiling area interconnecting to loop cable etc. as per specification complete as required.	26.00	Each	200.00	5,200.00
1.13	Supply, Installation, Testing & commissioning of UL / EN listed (latest version) intelligent addressable Manual call station (Resetable pull / push type) suitable for semi flush mounting, IP 54 with inbuilt fault isolator / isolator module with double gang outlet box, equipment for key operated test-reset lock, electronic or rotary switches for address setting. Manual pull station shall be connected with two wire to SLC loop of Fire Control Panel. Cover shall be made out of LEXAN (or polycarbonate equivalent) with clear operating instruction and the word Fire appearing on the front complete with connections etc. as required and as per enclosed specifications.	6.00	Each	2600.00	15,600.00
1.14	Supply, installation, testing and commissioning of UL / EN listed (latest version) loop powered addressable Hooter-cum- strobe with inbuilt fault isolator / isolator module with adjustable sound level in the range of min. 90 db to Max. 120 db at 1M distance complete with termination etc. as required and as per enclosed specification.	6.00	Each	3400.00	20,400.00

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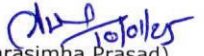
SI No	Description of Item	Qty	Unit	Basic Rate [EXCL GST]	Total Amount [with out GST]
1.15	SITC of Auto Dialer with landline dialer capability along with SIM Card recharged upto DLP compatible to addressable fire control panel, capable of delivering pre recorded voice to reset telephone no. in case of fire through mobile network etc. complete with all necessary accessories including connections etc. as required as per site requirement.	6.00	Each	3400.00	20,400.00
1.16	Supply and Laying of 2C X 1.5 sq.mm. Copper conductor XLPE insulated armoured Fire Survival Cable as amended upto date, cable laying through conduits/ surface/ recess/ above false ceiling/ concealed space/ wall concealed, etc. for control cabling for Fire detection & alarm devices and interconnecting etc as required.	1200.00	Mtr	140.00	1,68,000.00
Total Amount of SH:I (Excl GST) Rs.					44,89,850.00
2	SH: II -All Inclusive Comprehensive Maintenance Contract (AICMC) of Automatic Gaseous Fire Suppression System				
2.01	All Inclusive Comprehensive Maintenance (AICMC) of Automatic Gaseous Fire Suppression System for Item No. 1 to 16 of SH:I installed in different locations as per Annexure-'A' including replacement of all Mechanical, Electrical spares, clean Agent and consumables as and when required to keep the system 100% service condition, providing full support during breakdown & trouble shooting, programming, carrying out MONTHLY routine maintenance checks, preventive and breakdown maintenance etc. as required as per good engineering practices, recommendations of the respective Original Equipment Manufacturer (OEM) and instructions of Engineer-In-Charge for maintaining the systems. This includes keeping the system in acceptable functional and serviceable state etc. as specified including cost of all spare parts and submission of monthly maintenance service records and Reporting etc. as required. [Rate is required to be quoted for Yearly Basis]				
2.02	First Year after Completion of 02 (Two) year DLP (Considered 4% of SITC Cost of item No. 01 to 16)	1	Annum	1,79,594.00	1,79,594.00
2.03	Second Year after DLP (Considered Yearly 5% cumulative enhancement on 1st year AICMC Rate)	1	Annum	1,88,574.00	1,88,574.00
2.04	Third Year after DLP (Considered Yearly 5% cumulative enhancement on 2nd year AICMC Rate)	1	Annum	1,98,003.00	1,98,003.00
2.05	Fourth Year after DLP (Considered Yearly 5% cumulative enhancement on 3rd year AICMC Rate)	1	Annum	2,07,903.00	2,07,903.00
2.06	Fifth Year after DLP (Considered Yearly 5% cumulative enhancement on 4th year AICMC Rate)	1	Annum	2,18,298.00	2,18,298.00
Total Amount of SH:II (Excl GST) Rs.					9,92,372.00
Grand Total Amount of (SH:I+SH:II) Excl GST Rs.					54,82,222.00

(Rupees Fifty Four Lakhs Eighty Two Thousand Two Hundred and Twenty Two Only)

Signature Not Verified

Digitally signed by ANNIKA NARASIMHA PRASAD
Date: 2025.07.22 15:48:19 IST
Location: eProcurement System for Central PSUs




 (A. Narasimha Prasad)
 Senior Manager (E-E)
 AAI, RHQ-SR, Chennai
ए. नरसिम्हा प्रसाद
A. NARASIMHA PRASAD
 वरिष्ठ प्रबंधक (अभि - विद्युत)
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 दक्षिणी क्षेत्र / Southern Region