



No: AAI/RHQ-SR/ENGG/SM (E-E)/WO-05/Pondy/21-22/176 Date: 05.01.2022

M/s. RPN Systems and Solutions,
No. 586/S2 Pragathi Flats,
Arul Nagar, Irumbuliyur,
East, Tambaram,
Chennai-59.

Name of Work: Provision of Fire Alarm System at Puducherry Airport.

REF: 1. AAI E-Bid No: 2021 AAI 96631 1
2. Tender (Price Bid) opened: 17.12.2021

Dear Sirs,

1. Your tender for the above mentioned is hereby accepted by the Competent Authority on behalf of the Chairman, Airports Authority of India, at the item rates quoted by you totaling to **Rs. 5,27,930/- (Rupees Five Lakhs Twenty Seven Thousand Nine Hundred and Thirty Only)** Plus applicable GST @ 18% which is 10.27% below the estimated cost put to tender of Rs. **5,88,338/-** Plus applicable GST @ 18%.
2. Senior Manager Engg (E-E), AAI, New Operational Office, Southern Region, Chennai Airport, Chennai Shall be Engineer – in – charge of the work. You are requested to attend this office by **25.01.2022** 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). The cost of the stamp paper shall be borne by you.
3. Please Deposit **Rs. 52,793/- (Rupees Fifty Two Thousand Seven Hundred and Ninety Three 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 thereof Central and State Governments.

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5. You are also directed to contact Manager (Engg-E), AAI, Puducherry Airport immediately who will arrange to hand over the site.
6. Please note that the time allowed for carrying out the work shall be **02 (Two) Months** which shall be reckoned from 20.01.2022.
7. Any further correspondence in connection with the contract should normally be addressed to the Senior Manager Engg (E), AAI, New Operational Office, Southern Region, Chennai Airport.
8. 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 Quantities – Schedule 'A'

Yours faithfully,

05/01/22
Senior Manager Engg (E)
AAI, RHQ-SR, Chennai Airport

SCHEDULE OF WORK

Name of Work: Provision of Fire Alarm system at Puducherry Airport.

S.No.	Description of Item	Qty	Unit	Rate (Rs.) (without GST)	Amount (Rs.) (without GST)
1	Supply, installation, Testing & commissioning of UL/EN Listed 16 bit intelligent Addressable Fire Alarm Panel with 2 loops (each loop accessing at least 120 detectors) including battery backup. The panel shall be microprocessor based with its own micro controller, memory, communication module and fire device loop interface cards for intelligent initiating and indicating devices and should also be networkable in peer-to-peer basis with other Addressable Fire Alarm Panels. The Panel shall be able to give pin point location of all Fire/Fault conditions of addressable units via the address codes for each unit. The Panel shall also be able to automatically switch off all control Switches when ever any Alarm is triggered. The Panel shall have Keypad operation, LCD unit to indicate Fire/Fault Signal of individual unit, etc complete in all respects. Battery shall be 54 Ah SMF type. The panel shall also have logic hardware and software built into it for initiating specific AHU tripping, time delay operation of hooter. Panel shall be networked to Main Panel. a)Programming software for the system b)automatic sytem test activates c)detector sensitivity adjustments d)alarm verification e)Alpha/numerical display f)provision to connect to PCs and external printers g)Support modbus/bacnet protocol (Make: As per list of approved makes)	1	Each	135400.00	135400.00
2	Supply, installation, Testing & commissioning of Conventional Fire Alarm control Panel having minimum of 2 Zones suitable for connecting sensors manual call points, hooters and response indicators , operation with 220 Volts, 50 HZ Power supply , LCD display to indicate fire and normal operation & power supply status, Push button for accept and reset , sealed lead acid batteries with 2 Nos 12V, 7AH battery backup on alarm mode & normal operation with battery charger etc., shall be complete etc as required. (Make: As per list of approved makes)	1	Each	14300.00	14300.00
3	Supply, Installation, Testing & Commissioning of UL/EN Listed Repeater panel for addressable Fire Alarm system with Piezosounder, LCD alpha numeric character display with accept/rest buttons for alarm address of any sensor/field address with room number etc as required. (Make: As per list of approved makes)	1	Each	42000.00	42000.00
4	Supply, Installation, Testing & Commissioning of Auto Dialer for Fire Alarm system suitable to work with existing landline line telephone connections etc as required.	1	Each	6500.00	6500.00

S.No.	Description of Item	Qty	Unit	Rate (Rs.) (without GST)	Amount (Rs.) (without GST)
5	Supply & fixing of Photoelectric, Multi sensor smoke detectors along with mounting base with unique optical sensing chamber, visible LED's fully coated circuit boards with RF/transient protection, complete with all accessories including connections etc. as required. (Make: As per list of approved makes)	27	Each	990	26730.00
6	Supply, installation, Testing & commissioning of UL/EN Listed Analogue Addressable type Optical Smoke Detector complete with all accessories like base, base box, etc., to be installed under/above false ceiling, roof and concealed space, etc., interconnecting to loop cable complete as required. (Make: As per list of approved makes)	19	Each	2350.00	44650.00
7	Supply, installation, testing and commissioning of UL/EN Listed intelligent Addressable type Optical Smoke cum heat Detector (3D) complete with all accessories like base, base box, etc to be installed under/above false ceiling, roof and concealed space etc. interconnecting to loop cable complete as required. (Make: As per list of approved makes)	8	Each	2550.00	20400.00
8	Supply, installation, testing and commissioning of UL/EN Listed Analogue Addressable type heat Detector (fixed cum rate of rise type) with range 60 Degree complete with all accessories like base, base box, etc to be installed under/above false ceiling, roof and concealed space etc. interconnecting to loop cable complete as required. (Make: As per list of approved makes)	1	Each	2350.00	2350.00
9	Supply, installation, testing and commissioning of response Indicators outside the rooms for getting fire indications of detectors installed above false ceiling area interconnecting to loop cable complete as required. (Make: As per list of approved makes)	7	Each	220.00	1540.00
10	Supply, installation, testing and commissioning of UL/EN Listed Addressable type Manual Call Point (break glass / pull station type) complete with input Module, Push Botton, enclosed in box with provision for cable or conduit coupling. (Make: As per list of approved makes)	7	Each	2480.00	17360.00
11	Providing , installing, testing and commissioning of UL /EN Listed Hooter cum Strobe complete with Base plate, box etc., as required. (Make: As per list of approved makes)	10	Each	2220.00	22200.00

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S.No.	Description of Item	Qty	Unit	Rate (Rs.) (without GST)	Amount (Rs.) (without GST)
12	Supply Installation, testing and commissioing of UL/EN Listed Infra Red Beam detector reflective type for up to 100m span and 15m width, complete with Transmitter, receiver, brackets and Input Module complete with four square reflector, all fixing accesssories like base, base box, etc. to be installed on wall, connected space, etc. interconnecting to to loop cable complete as required and PVC flexible conduit. (Make: As per list of approved makes)	3	Each	34500.00	103500.00
13	Supply Installation, testing and commissioing of addressable and automatic commandable control modules etc as required.	4	Each	2250.00	9000.00
14	Supply Installation, testing and commissioning of addressable loop Isolators etc as required.	2	Each	2250.00	4500.00
15	Supply and laying of MS steel conduits ISI Marked red painted with all fittings and saddles for drawing detector control cables on surface /recess/above false ceiling/concealed space/wall concealed, etc of following sizes: 20 mm (Make: As per list of approved makes)	500	Meter	90.00	45000.00
16	Supply and laying of following size PVC insulated FRLS 2Cx1.5sq.mm copper conductor cable 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. (Make: As per list of approved makes)	500	Meter	65	32500.00
Total Amount of Rs.					527930.00

**(Rupees Five Lakhs Twenty Seven Thousand Nine Hundred and Thirty Only)
Plus Applicable GST**

G. Srinivasan
05/01/22
Senior Manager/Engg(E)
AAI, RHQ, SR, Chennai.