

सं.भाविप्रा/क्षे.मु.-द.क्षेत्र/ईडी-II/एमएसएसआर-एफएसएस/डब्ल्यूओ-05/2025-26/17 दिनांक :12.08.2025
No. AAI/RHQ-SR/ED-II/MSSR-FSS/WO-05/2025-26/17 Date:12.08.2025

मेसर्स कल्पतरु इंडस्ट्रीज
डी-36, सेक्टर ए 2,
ट्रोनिका सिटी, गाजियाबाद,
उत्तर प्रदेश। - 201102.

M/s. Kalpataru Industries
D- 36, sector A 2, Tronica City,
Ghaziabad,
Uttar Pradesh. – 201102.

कार्य का नाम: क्षेत्रीय मुख्यालय, दक्षिणी क्षेत्र, चेन्नई हवाई अड्डे पर नए एसआर कोलोकेटेड एमएसएसआर के लिए सब-स्टेशन और सहायक कार्यों का निर्माण। **उपशीर्ष** : 02 वर्ष की डीएलपी के बाद 05 वर्षों के लिए एआईसीएमसी सहित स्वचालित गैसीय अग्नि शमन प्रणाली और इसके संबद्ध कार्यों का प्रावधान।

NAME OF WORK: Construction of Sub-Station and Ancillary Works for New ASR Collocated MSSR at RHQ-SR, Chennai Airport. SH: Provision of Automatic Gaseous Fire Suppression System and its Associated Works including AICMC for 05 Years after 02 Years DLP.

संदर्भ:- 1. भा.वि.प्रा. निविदा आई डी : 2025_भा.वि.प्रा._236103_1
2. ई - निविदा (मूल्य बोली) : 15.07.2025 को खोला गया।
Ref: 1. AAI Tender ID : 2025_AAI_236103_1
2. e - Tender (Price Bid): Opened on 15.07.2025

प्रिय महोदय,
Dear Sir,

- उपर्युक्त कार्य के लिए आपकी निविदा को भारतीय विमानपत्तन प्राधिकरण के अध्यक्ष की ओर से सक्षम प्राधिकारी द्वारा आपके द्वारा उद्धृत मद दरों पर स्वीकार किया जाता है, जिसकी कुल राशि **रु. 95,28,688.50** /- (एसआईटीसी कार्य के लिए रु. 74,33,513.50 /- + एआईसीएमसी कार्य के लिए रु.20,95,175/-) (केवल रुपये पंचानवे लाख अट्ठाईस हजार छह सौ अठ्ठासी और पचास पैसे मात्र) है, साथ ही लागू जीएसटी जो कि उचित लागत **रु. 1,17,24,562/-** (एसआईटीसी कार्य के लिए रु. 91,46,561/- + एआईसीएमसी कार्य के लिए रु. 25,78,001/-) से 18.73% कम है, साथ ही लागू जीएसटी जो वास्तविक के अनुसार अतिरिक्त भुगतान किया जाएगा।



कृ.पृ.उ.

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.95,28,688.50/-** (For **SITC work Rs. 74,33,513.50 /- + For AICMC Work Rs. 20,95,175 /-**) (Rupees Ninety Five Lakhs Twenty Eight Thousand Six Hundred Eighty Eight and Fifty Paise Only) Plus applicable GST which is 18.73% below the justified cost of **Rs. 1,17,24,562 /-** (For **SITC work Rs. 91,46,561 /- + For AICMC work Rs. 25,78,001 /-**) Plus applicable GST which will be paid extra as per actual.

- 2 इस कार्य के लिए वरिष्ठ प्रबन्धक (इंजी-विद्युत), ईडी-II, भा.वि.प्रा., नया प्रचालन कार्यालय, क्षेत्रीय मुख्यालय, दक्षिणी क्षेत्र, चेन्नई हवाई अड्डा, चेन्नई-600 016 प्रभारी इंजीनियर होंगे। आपसे अनुरोध है कि अनुबंध समझौते पर हस्ताक्षर करने और उसे पूरा करने के लिए **21.08.2025** तक वरिष्ठ प्रबंधक (इंजी), ईडी - II, भा.वि.प्रा., क्षेत्रीय मुख्यालय, दक्षिणी क्षेत्र, चेन्नई हवाई अड्डा, चेन्नई के कार्यालय में उपस्थित रहे। संविदा करार को रुपये 100/- (केवल एक सौ रूपए) मूल्य के एक गैर न्यायिक स्टाम्प पेपर पर निष्पादित किया जाएगा और स्टाम्प पेपर के मूल्य का वहन आपके द्वारा किया जाएगा।

Senior Manager (E-E), ED - II, AAI, New Operational Office, RHQ-Southern Region, Chennai Airport, Chennai - 600 016 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 **21.08.2025** 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. आपको निर्देश दिया जाता है कि इस पत्र के जारी होने की दिनांक से 10 दिनों के भीतर सुरक्षा जमा के रूप में रु. 9,52,869/- (केवल नौ लाख बावन हजार आठ सौ उनहतर रुपये मात्र रूपए) जमा करना है, जिसमें विफल होने पर अनुबंध की धारा 1-ए के अनुसार आपके चालू बिलों से राशि काट ली जाएगी।

Please deposit **Rs. 9,52,869.00** (Rupees Nine Lakhs Fifty Two Thousand Eight Hundred and Sixty Nine 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.

3. आपसे अनुरोध है कि ठेका श्रम (विनियमन एवं उन्मूलन) अधिनियम 1970, ठेका श्रम (विनियमन एवं उन्मूलन) केन्द्रीय नियम 1971, न्यूनतम मजदूरी अधिनियम और केन्द्र एवं राज्य सरकार के उक्त से संबंधित प्रावधानों एवं नियमों का अनुपालन सुनिश्चित करें।

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.

Handwritten signature

कृ.पू.उ.

4. आपको यह भी निदेश दिए जाते हैं कि वरिष्ठ प्रबन्धक (इंजी-विद्युत), ईडी-II, भा.वि.प्रा., नया प्रचालन कार्यालय, क्षेत्रीय मुख्यालय, दक्षिणी क्षेत्र, चेन्नई हवाई अड्डा, चेन्नई-600 016 से तुरंत संपर्क करें जो आपको साइट सौंपने के लिए व्यवस्था करेंगे।

You are also directed to contact Senior Manager (E-E), ED - II, AAI, New Operational Office, RHQ-Southern Region, Chennai Airport, Chennai - 600 016 or his authorized representatives immediately who will arrange to hand over the site to you.

5. कृपया नोट करें कि कार्य करने के लिए अनुमत समय डीएसआईटीसी कार्य के लिए 06 (छह) महीने होगा, जिसे **21.08.2025** से प्रभावी माना जाएगा और एआईसीएमसी कार्य के लिए दोष दायित्व अवधि 02) वर्ष की समाप्ति के बाद (5 वर्ष होगा)।

Please note that the time allowed for carrying out the work shall be **06 (Six) months** for DSITC work which shall be reckoned with effect from **21.08.2025** and 05 years for AICMC work after expiry of Defect Liability Period (02 years).

6. अनुबंध के संबंध में कोई भी आगे का पत्राचार सामान्यतः वरिष्ठ प्रबन्धक (इंजी-विद्युत), ईडी-II, भा.वि.प्रा., नया प्रचालन कार्यालय, क्षेत्रीय मुख्यालय, दक्षिणी क्षेत्र, चेन्नई हवाई अड्डा, चेन्नई-600 016 को संपर्क किया जाना चाहिए।

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.

7. कार्य पूरा होने पर/आरए बिलों के लिए चालान बनाते समय, आपसे अनुरोध है कि आप अपने कर चालान में भा.वि.प्रा. जीएसटी संख्या 33AAACA6412D1ZF स्पष्ट रूप से दर्शाएं।

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.

8. कृपया पावती भेजें एवं इस पत्र के साथ संलग्न इसकी प्रतिलिपि पर हस्ताक्षर करते हुए उसे स्वीकृति के तौर पर अधोहस्ताक्षरी को भेजें।

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.

धन्यवाद,

Thanking you,

संलग्न: 1) मात्रा की अनुसूची।

Encl: 1) Schedule of Quantity.

भवदीय,

ह/-

वरिष्ठ प्रबन्धक (इंजी-विद्युत)

भा.वि.प्रा., क्षेत्र.मु-द.क्षेत्र, चेन्नई हवाई अड्डा

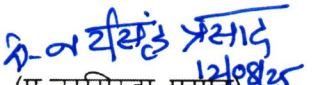
कृ.पृ.उ.

प्रति :

1. महाप्रबंधक (इंजी), भा.वि.प्रा.,क्षे.मु.-द.क्षेत्र, चेन्नई - कृपया सूचनार्थ हेतु ।
2. महाप्रबंधक(वित्त एवं लेखा), भा.वि.प्रा.,
क्षे.मु.-द.क्षेत्र, चेन्नई हवाईअड्डा - स.म.प्र.(वित्त)-द.क्षेत्र द्वारा एफसी
ई-ऑफिस फाइल संख्या ईबी-12012(15)/8/2025-इंजी-विद्युत-द.क्षेत्र (कंप्यूटर संख्या 272893) में
नोट संख्या 17 दिनांक 04.08.2025 को वित्तीय सहमति दी गई ।
3. संयुक्त महाप्रबंधक (इंजी-विद्युत), भा.वि.प्रा.,क्षे.मु.-द.क्षेत्र, चेन्नई - कृपया सूचनार्थ हेतु ।
4. सहायक प्रबंधक (इंजी-विद्युत), भा.वि.प्रा.,क्षे.मु.-द.क्षेत्र, चेन्नई - कृपया अनुवर्ती कार्रवाई हेतु ।
5. भा.वि.प्रा. वेबसाइट/ओसी

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#17 dated:04.08.2025 in e-office File No.EB-12012(15)/8/2025-ENGG-
E-SR (Computer no.272893).
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


(ए.नरसिम्हा प्रसाद)

(A. Narasimha Prasad)
वरिष्ठ प्रबंधक (इंजी-विद्युत)
Senior Manager (E-E)
भा.वि.प्रा, क्षे.मु.-द.क्षेत्र, चेन्नई हवाई अड्डा
AAI, RHQ-SR, Chennai Airport.

हिन्दी में किए गए अनुवाद पर यदि कोई विसंगति की स्थिति में, अंग्रेजी रूपांतरण को प्रामाणिक माना जाए
In case of any discrepancy in Hindi Translation, the English version will be
authentic.



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

Schedule - A

Name of Work : Construction of Sub-Station and Ancillary Works for New ASR Collocated MSSR at RHQ-SR, Chennai Airport. SH: Provision of Automatic Gaseous Fire Suppression System and its Associated Works including AICMC for 05 Years after 02 Years DLP.

SI No	Description of Item	Qty	Unit	Rate	Amount
1	SH-I: DSITC of Fire Suppression System and Fire Alarm System				
1.01	Design, Supply, Installation, Testing & Commissioning of Clean Agent Gas Flooding System for following areas, complete using Gas Agent as per NFPA 2001. Supply of Cylinder UL listed /FM/VDS/LPCB/CCOE(PESO) Approved, complete with valve assembly and arrangement for supervisory switch connection for monitoring cylinder pressure. A pressure gauge with a safety burst disc, electronic control head / Solenoid, pressure operated control, head, flexible hose, strap, NRV and safety cap. Gas - Quantity would be as per the design volume and as per the necessary codal specifications UL Certifications. Clean agent shall be of FK-5-1-12 Gas flooding System with all cylinders, gas, manifold, Master Cylinder Accessories for above including Electrical Control Head, Discharge Hose and Gas discharge Warning sign, Nozzles including providing, installing, testing and commissioning of Gas Release Panel complete with timer, battery back up, Gas Release/Gas Abort Switch etc complete system as required. item also includes Fire alarm system for cross zoning and supply & laying of Fire survival cable, detector & panels. Note: The Individual system will be provided in specified areas only. The contractor will design the system as per NFPA 2001. The contractor will get the design approved by AAI before execution. Statutory Approvals, if required, shall be taken from concerned authorities. The piping design and pressure calculations using manufacturer design software for a given dimension of room duly approved by manufacturer/ distributors shall be submitted prior to starting of the works.				
1.02	Supply, Installation, Testing and Commissioning of 140/120 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. (FOR EQUIPMENT ROOM)	9	Each	108750.00	978750.00
1.03	Supply, Installation, Testing and Commissioning of 80//75/68 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. (FOR EQUIPMENT ROOM)	6	Each	95250.00	571500.00
1.04	Supply, Installation, Testing and Commissioning of 40/34 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. (FOR ELECTRICAL ROOM & UPS ROOM)	3	Each	82750.00	248250.00

Amr
SAC

SI No	Description of Item	Qty	Unit	Rate	Amount
1.05	Supply, Installation, Testing and Commissioning of 27/13 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. (FOR RADAR MACHINE ROOM, ELECTRICAL & UPS ROOM)	4	Each	81250.00	325000.00
1.06	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.	1640	KG	1475.00	2419000.00
1.07	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.	22	Each	26950.00	592900.00
1.08	Supplying, installation, testing and commissioning of Low pressure switch for the cylinder assembly etc. complete as required.	22	Each	9000.00	198000.00
1.09	Supplying, installation, testing and commissioning of Manual Gas Release Station etc. complete as required.	22	Each	1300.00	28600.00
1.10	Supplying, installation, testing and commissioning of Manual Gas Abort Station etc. complete as required.	22	Each	1300.00	28600.00
1.11	Supplying and fixing of suitable size (as per hydraulic flow calculation) nozzle with orifices etc. complete as required.	44	Each	3650.00	160600.00
1.12	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: Job comprises of required length of suitable size MS seamless pipe and associated pipe accessories like Bend, Tee, Elbow & Coupling etc., for each location)	6	Job	28500.00	171000.00
1.13	Supply, Installation, Testing & Commissioning of UL/LPCB/ EN listed (latest version) Modular Microprocessor based expandable Intelligent Addressable Type Fire Alarm Control Panel of two loops, with minimum 160 character graphics / LCD display with touch screen or other keypad and minimum 1000 events history log in the non volatile memory (EPROM), The panel should be equipped with loop capacity to take minimum 125 intelligent addressable detectors/ devices (In any combination) in one loop. Sufficient number of access levels, capable of taking Protocol Devices, Graphical Display, sufficient numbers of programmable relay controls, 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) and RS485 or RS232 Serial Communication ports. The panel shall be compatible for Building Management System with open protocol BACNET / MODBUS etc. as per specification, complete as required. The panel shall be capable of activating Gas Releasing Control Module on activation of Smoke+ Heat detectors for operating the Gas based Fire Suppression System.	8	Each	83930.00	671440.00
1.14	Supply, installation, testing and commissioning of UL listed (latest version), Approved Intelligent Addressable Gas Releasing Control Module/ Relay Module (output module) specifically designed for fire suppression releasing applications complete with termination etc. complete as required and as per enclosed specifications.	23	Each	3255.00	74865.00

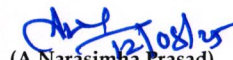
Chap 5/13

SI No	Description of Item	Qty	Unit	Rate	Amount
1.15	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)	199	Each	1820.00	362180.00
1.16	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.	41	Each	138.50	5678.50
1.17	Supply, Installation, Testing & commissioning of UL / EN listed (latest version) intelligent addressable Manual call station (Resettable pull / push type) suitable for semi flush mounting, IP 54 for indoor use & IP 65 for outdoor use 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 poly carbonate equivalent) with clear operating instruction and the word Fire appearing on the front complete with connections etc. as required and as per enclosed specifications.	24	Each	3000.00	72000.00
1.18	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.	23	Each	6200.00	142600.00
1.19	Supply, installation, testing and commissioning 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 .	7	Each	6650.00	46550.00
1.20	Supply and laying of 2 core, 1.5 sq.mm. Fire Survival cable, armoured copper conductor of 600/1000V grade, insulated with specially formulated PVC, coated with special fire resistance materials and overall sheathed with special PVC, with special properties as Zero Halogen Low Smoke insulation, 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. Basic construction as per BS 7846-2009 & circuit integrity as per BS 6387 C.W.Z./BS EN 50200 as required.	4200	Mtr	80.00	336000.00
Total of SH-I					74,33,513.50

Ans
5/1/16

SI No	Description of Item	Qty	Unit	Rate	Amount
2	SH: II -All Inclusive Comprehensive Maintenance Contract (AICMC) of Fire Suppression System and Fire Alarm System				
2.01	All Inclusive Comprehensive Maintenance (AICMC) of Automatic Gaseous Fire Suppression System along with Fire Alarm System for Item No. 1.01 to 1.20 of SH:I installed in different locations as per Annexure-'A' including replacement of all Mechanical, Electrical spares, clean Agent (released due to false alarm and leakage, if any) 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.				
2.02	First Year after Completion of 02 (Two) year DLP (Considered 5% of SITC Cost of item No. 1.01 to 1.20)	1	Annum	3,71,676.00	3,71,676.00
2.03	Second Year after Completion of 02 (Two) year DLP (Considered Yearly 6% cumulative enhancement on 1st year AICMC Rate)	1	Annum	3,93,977.00	3,93,977.00
2.04	Third Year after Completion of 02 (Two) year DLP (Considered Yearly 6% cumulative enhancement on 2nd year AICMC Rate)	1	Annum	4,17,616.00	4,17,616.00
2.05	Fourth Year after Completion of 02 (Two) year DLP (Considered Yearly 6% cumulative enhancement on 3rd year AICMC Rate)	1	Annum	4,42,673.00	4,42,673.00
2.06	Fifth Year after Completion of 02 (Two) year DLP (Considered Yearly 6% cumulative enhancement on 4th year AICMC Rate)	1	Annum	4,69,233.00	4,69,233.00
				Total SH-II	20,95,175.00
				Grand Total of SH-I & II	95,28,688.50

(Rupees Ninety Five Lakhs Twenty Eight Thousand Six Hundred Eighty Eight and Fifty Paise Only) Plus Applicable GST


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