

Government eProcurement System Created By: A NARASIMHA PRASAD Created Date/Time: 11-Dec-2024 04:59 PM Tender Title: Provision of Automatic Gaseous Fire Suppression System for NAVAIDS Sites at RHQ, Southern Region, Chennai Airport including AICMC of Automatic Gaseous Fire Suppression System for 05 Years after 02 Years DLP. Tender ID: 2024_AAI_213050_1
Tender Inviting Authority: SENIOR MANAGER (ENGG-ELECTRICAL), AAI, RHQ-SR, CHENNAI - 600016
Name of Work: Provision of Automatic Gaseous Fire Suppression System for NAVAIDS Sites at RHQ, Southern Region, Chennai Airport including A
Contract No: 2024_AAI_213050_1

SCHEDULE OF WORK / ITEM(S)																														
Sl.No	Description of Work / Item(s)	No. of Qty	Units	Estimated Rate	Nexus Fire And Security Systems (GSTN-07AAAFN7125K1ZY) BID ID - 765329	Pomnani International (India) Pvt Ltd (GSTN-33AADCP524362Z2) BID ID - 766739	advent electric technologies Pvt. Ltd (GSTN-07AAJCA26SK1ZN) BID ID - 772906	PYROGUARD ENGINEERS PRIVATE LIMITED (GSTN-07AACP446E1Z7) BID ID -773643	CENTRE TAP ENGINEERING (GSTN-24AGPPPS172K1Z2) BID ID -773995	Vimal Fire Controls private Limited (GSTN-24AAACV929AC1ZK) BID ID - 774948	Vasu Infosec Pvt Ltd (GSTN- 27AABCV6980D1ZE) BID ID -775058	Sairam Engineers (GSTN-NA) BID ID - 774321	Sagtaur Systems Private Limited (GSTN-NA) BID ID -771348	NITIN FIRE PROTECTION INDUSTRIES LIMITED (GSTN- NA) BID ID -773346	Sterling and wilson pvt ltd (GSTN-NA) BID ID -773390	Kalpataru Industries (GSTN-NA) BID ID -774158	APEXINFRANET PVT LTD (GSTN- NA) BID ID -773356													
					Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount		
1.00	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 gauge and 2 inch flexible discharge hose etc. complete as required.	5.00	Each		97873.00	489365.00	99500.00	497500.00	120000.00	600000.00	143050.00	715250.00	80000.00	400000.00	178200.00	891000.00	80625.00	403125.00	90000.00	450000.00	138103.00	690515.00	77000.00	385000.00	101687.00	508435.00	98500.00	492500.00	155000.00	775000.00
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		78645.00	786450.00	76500.00	765000.00	81000.00	810000.00	100740.00	1007400.00	70000.00	700000.00	136800.00	1368000.00	80625.00	806250.00	67000.00	670000.00	120207.00	1202070.00	63000.00	630000.00	85827.00	858270.00	84000.00	840000.00	88000.00	880000.00
1.03	Supply and filling of clean, odourless, colour less, UL listed and suitable for fire class - A, B & C fire suppression agent (PK-5-1-1/2 Clean Agent) etc. complete as required.	441.00	Kg		2214.00	976374.00	2550.00	1124550.00	1850.00	815850.00	1560.00	687960.00	2500.00	1102500.00	1710.00	754110.00	2187.50	964687.50	2100.00	926100.00	2346.00	1034586.00	1250.00	551250.00	2623.00	1156743.00	1800.00	793800.00	1950.00	859950.00
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		26439.00	396585.00	69500.00	1042500.00	18000.00	270000.00	16940.00	254100.00	30000.00	450000.00	4500.00	67500.00	56750.00	851250.00	45000.00	675000.00	43797.00	656955.00	21000.00	315000.00	58194.00	872910.00	30200.00	453000.00	49000.00	735000.00
1.05	Supply, Installation, Testing and Commissioning of Low pressure switch for the cylinder assembly etc. complete as required.	15.00	Each		10215.00	153225.00	12500.00	187500.00	6000.00	90000.00	825.00	12375.00	15000.00	225000.00	20700.00	310500.00	13750.00	206250.00	8000.00	120000.00	16929.00	253935.00	7500.00	112500.00	23058.00	345870.00	11500.00	172500.00	7500.00	112500.00
1.06	Supply, Installation, Testing and Commissioning of Manual Gas Release Station etc. complete as required.	15.00	Each		1175.00	17625.00	6100.00	91500.00	1600.00	24000.00	3870.00	58050.00	3500.00	52500.00	10800.00	162000.00	4875.00	73125.00	6500.00	97500.00	6365.00	95475.00	5000.00	75000.00	5490.00	82350.00	7270.00	109050.00	1500.00	22500.00
1.07	Supplying, Installation, testing and commissioning of Manual Gas Abort Station etc. complete as required.	15.00	Each		1175.00	17625.00	6700.00	100500.00	1600.00	24000.00	3870.00	58050.00	3500.00	52500.00	10800.00	162000.00	4875.00	73125.00	6500.00	97500.00	6365.00	95475.00	5000.00	75000.00	5490.00	82350.00	7270.00	109050.00	1500.00	22500.00
1.08	Supply and fixing of suitable size (as per hydraulic flow calculation) nozzle with orifices etc. complete as required.	28.00	Each		2885.00	80780.00	5950.00	166600.00	4000.00	112000.00	5500.00	154000.00	5000.00	140000.00	11700.00	327600.00	2868.75	80325.00	7800.00	218400.00	5000.00	140000.00	5500.00	154000.00	5795.00	162260.00	4800.00	134400.00	6500.00	182000.00
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		28750.00	431250.00	35000.00	525000.00	52000.00	780000.00	14930.00	223950.00	25000.00	375000.00	63000.00	845000.00	52250.00	783750.00	40000.00	600000.00	35000.00	525000.00	20000.00	300000.00	36000.00	540000.00	26425.00	396375.00	41000.00	615000.00
1.10	Supply, Installation, Testing & Commissioning of UL / EN listed (latest version) Modular Microprocessor based expandable intelligent 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 equipped with loop capacity to take minimum 240 intelligent addressable detector/ 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		127365.00	764190.00	195400.00	1172400.00	100000.00	600000.00	178660.00	1071960.00	200000.00	1200000.00	350000.00	2100000.00	117500.00	705000.00	290000.00	1740000.00	137675.00	826050.00	250000.00	1500000.00	111630.00	668780.00	257200.00	1543200.00	155000.00	930000.00
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		1915.00	107240.00	2687.00	150472.00	3400.00	134400.00	3830.00	213920.00	3500.00	196000.00	3600.00	201600.00	3075.00	172200.00	2390.00	133840.00	3052.00	170912.00	3450.00	193200.00	3355.00	187880.00	3212.00	179872.00	2950.00	165200.00
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		136.00	3536.00	300.00	7880.00	200.00	5200.00	90.00	2340.00	200.00	5200.00	8100.00	210600.00	325.00	8450.00	550.00	14300.00	215.00	5590.00	250.00	6500.00	169.10	4916.60	172.00	4472.00	125.00	3250.00
1.13	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 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		4658.00	27948.00	3240.00	19440.00	2600.00	15600.00	8260.00	49560.00	6500.00	39000.00	9000.00	54000.00	6703.75	40222.50	8000.00	48000.00	3666.00	21996.00	4750.00	28500.00	4282.20	25693.20	5975.00	35850.00	4200.00	25200.00
1.14	Supply, installation, testing and commissioning of UL / EN listed (latest version) loop powered addressable footer-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		5578.00	33468.00	3195.00	19170.00	3400.00	20400.00	4230.00	25380.00	3500.00	21000.00	8100.00	48600.00	8762.50	52575.00	9800.00	58800.00	6365.00	38190.00	6300.00	37800.00	5160.60	30963.60	5985.00	35910.00	3600.00	21600.00
1.15	SITC of Auto Dialer with landline dialler 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		13283.00	79698.00	8500.00	51000.00	3400.00	20400.00	19800.00	118800.00	15000.00	90000.00	108000.00	648000.00	40000.00	240000.00	25900.00	155400.00	14576.00	87456.00	7000.00	42000.00	4270.00	25620.00	14050.00	84300.00	9500.00	57000.00
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 conduit/ 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		114.00	136800.00	105.00	126000.00	140.00	168000.00	180.00	216000.00	100.00	120000.00	306.00	367200.00	375.00	450000.00	170.00	204000.00	285.00	342000.00	250.00	300000.00	119.56	143472.00	120.00	144000.00	135.00	162000.00
2.00	SH- II -All Inclusive Comprehensive Maintenance Contract (AICMC) of Automatic Gaseous Fire Suppression System																													

L1 Amount	L1 Vendor
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385000.00	NITIN FIRE PROTECTION INDUSTRIES LIMITED
630000.00	NITIN FIRE PROTECTION INDUSTRIES LIMITED
551250.00	NITIN FIRE PROTECTION INDUSTRIES LIMITED
67500.00	Vimal Fire Controls private Limited
12375.00	PYROGUARD ENGINEERS PRIVATE LIMITED
17625.00	Nexus Fire And Security Systems
17625.00	Nexus Fire And Security Systems
80325.00	Vasu Infosec Pvt Ltd
223950.00	PYROGUARD ENGINEERS PRIVATE LIMITED
600000.00	advent electric technologies Pvt. Ltd.
107240.00	Nexus Fire And Security Systems
2340.00	PYROGUARD ENGINEERS PRIVATE LIMITED
15600.00	advent electric technologies Pvt. Ltd.
19170.00	Pomnani International (India) Pvt Ltd
20400.00	advent electric technologies Pvt. Ltd.
120000.00	CENTRE TAP ENGINEERING

2.01	All Inclusive Comprehensive Maintenance (AICMC) of Automatic Gaseous Fire Suppression System for Item No. 1.01 to 1.16 of SH1 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.		
2.02	First Year after Completion of 02 (Two) year DLP (Considered 4% of SITC Cost of Item No. 1.01 to 1.16)	1.00	Annum
2.03	Second Year after DLP (Considered Yearly 5% cumulative enhancement on 1st year AICMC Rate)	1.00	Annum
2.04	Third Year after DLP (Considered Yearly 5% cumulative enhancement on 2nd year AICMC Rate)	1.00	Annum
2.05	Fourth Year after DLP (Considered Yearly 5% cumulative enhancement on 3rd year AICMC Rate)	1.00	Annum
2.06	Fifth Year after DLP (Considered Yearly 5% cumulative enhancement on 4th year AICMC Rate)	1.00	Annum

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179594.00	advent electric technologies pvt. ltd.
188574.00	advent electric technologies pvt. ltd.
198003.00	advent electric technologies pvt. ltd.
207903.00	advent electric technologies pvt. ltd.
218298.00	advent electric technologies pvt. ltd.

Total in Figures
Lowest Amount Quoted BY: advent electric technologies pvt. ltd.(5482222.00)

5487248.00	7383458.00	5482222.00	5945287.00	6311111.00	10522437.00	7216668.00	7581156.00	7553511.00	5745841.00	6956810.40	6750168.00	6799521.00
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Signature Not Verified

Digitally signed by ANNIKA NARASIMHA PRASAD
Date: 2024.12.20 13:08:55 IST
Location: eProcurement System for Central PSUs

