



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

Ref.No: AAM/ENGG/AMED-V/MISC/2021-23/A-17

Dated: 22.09.2021

BY SPEED POST/ email

WORK ORDER

To,

**M/s. Delite System Engineering (I) Pvt Ltd,
34B, Wing Ground Floor,
Guru Gobind Singh Industrial Premises,
Goregaon East, Mumbai-400063.**

Name of Work: Miscellaneous Work for Fire Hydrant System and Fire Alarm System at Chennai Airport.

Ref:

1) Your e-tender price bid opened on 27.08.2021

Dear Sirs,

1. Your e tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the items rates quoted by you totaling to Rs.45,25,858.00 (Rupees Forty Five Lakhs Twenty Five Thousand Eight Hundred and Fifty Eight only)-excluding GST, which is 24.76 % below the AAI justified cost of Rs.60,15,371.00(excluding GST).
2. Joint General Manager (Engineering-Electrical)-II, AMED, AAI, Chennai Airport, shall be the Engineer-in charge of the work. You are requested to attend the office of Jt. Gen. Manager (Engg-Elect)-II, AMED, AAI, Chennai Airport by 01.10.2021 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value of Rs.100/-(Rupees One Hundred Only) and the cost of the stamp paper shall be borne by you.
3. Please deposit an amount of Rs.4,52,586.00 (Rupees Four Lakhs Fifty Two Thousand Five Hundred and Eighty Six Only) towards Security deposit within 10 days from the date of issue of this letter failing which is the same will be deducted as per conditions of Clause 1A of page 16 of 132 of GCC of the e-tender document.
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.
5. You are also requested to contact the Asst. Gen. Manager (Engg - Elect), AMED-V immediately who will arrange to handover the site to you.
6. Please note that the time allowed for carrying out the work shall be **03 (Three) Months with effect from 01.10.2021.**

फैक्स: 044 - 2256 0008 ई पी ए बी एक्स: 2256 0551, चेन्नई हवाई अड्डे, चेन्नई - 600 016.

Fax: 044 - 2256 0008 EPABX: 2256 0551, Chennai Airport, Chennai - 600 016.



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7. Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-Charge.
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.
9. All other terms and conditions shall be as per agreement.

Encl: Work Order Schedule (03 pages).

Yours faithfully,

W. Francis Xavier
22/9/12

(W.FRANCIS XAVIER)

Jt. General Manager (Engg.-Elect.)-II
AAI, Chennai Airport.

AIRPORTS AUTHORITY OF INDIA
CHENNAI AIRPORT: CHENNAI-600 016

WORK ORDER SCHEDULE

Name of Work: Miscellaneous Work for Fire Hydrant sytem and Fire Alarm System at Chennai Airport.					
S.No	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
	(FIRE HYDRANT SYSTEMS)				
1	Providing & fixing of following size MS C class IS: 1239 heavy type pipe with double type welding, Suitable Bends and arranging scaffolding with proper jointing with nuts ,bolts and channel in the pipe fixing above surface and below false ceiling etc. complete as required as per the direction of E.I.C. As per approved make of AAI				
1.01	25 mm dia	12	Mtr	230.00	2,760.00
1.02	32 mm dia	12	Mtr	400.00	4,800.00
1.03	40 mm dia	18	Mtr	500.00	9,000.00
1.04	80mm dia	18	Mtr	900.00	16,200.00
1.05	100mm dia	30	Mtr	1900.00	57,000.00
1.06	150mm dia	120	Mtr	3599.00	4,31,880.00
2	Providing & fixing of following size MS C class IS:1239 heavy type pipe with double type welding, with suitable 4mm thick insulation wrapping tar sheet etc. complete with flanges, bends, tees. supports including excavation & refilling in under ground all types of flooring etc. complete as required as per the direction of E.I.C. As per approved make of AAI				
2.01	80mm dia	6	Mtr	900.00	5,400.00
2.02	100mm dia	12	Mtr	1900.00	22,800.00
2.03	150mm dia	30	Mtr	3500.00	1,05,000.00
3	Providing and fixing the following size of lever operated butterfly valves of approved make after dismantling the existing damaged one and handing over to AAI stores i/c replacement of the gasket, nut, bolts etc. as required. As per approved make of AAI				
3.01	80mm dia (PN 16 Rated)	2	Nos.	3150.00	6,300.00
3.02	100mm dia (PN 16 Rated)	2	Nos.	3650.00	7,300.00
3.03	150mm dia (PN 16 Rated)	4	Nos.	5299.00	21,196.00
4	Providing and fixing the following size of Non return valves/ check Valve/ Gate valves of approved make after dismantling the existing damaged one and handing over to AAI stores i/c replacement of the gasket, nut, bolts etc. as required. As per approved make of AAI				
4.01	80 mm Non return valve	1	Nos.	3150.00	3,150.00
4.02	100 mm Non return valve	1	Nos.	3600.00	3,600.00
4.03	100 mm sluice Gate valve	1	Nos.	8000.00	8,000.00
4.04	150 mm sluice Gate valve	1	Nos.	13100.00	13,100.00
5	Supply and fixing of 25mm ball valve of approved make after dismantling the existing damaged one and handing over to AAI stores i/c replacement of the gasket, nut, bolts etc, as required. As per approved make of AAI	6	No	850.00	5,100.00
6	Supply and replacement of 25 mm dia Pressure gauges, 0-200PSI , as per the approved make, after dismantling the existing damaged one and handing over to AAI stores as per specifications & directions of E.I.C. As per approved make of AAI	6	Nos.	1200.00	7,200.00
7	Supply & replacement of pressure switch suitable for the existing system with a pressure range of 1 to 10 bar after dismantling the existing damaged one and handing over to AAI stores as per specifications & directions of E.I.C. As per approved make of AAI	4	Nos.	2500.00	10,000.00

S.No	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
8	Providing & fixing of needle valve for pressure gauge set with suitable existing pipe after dismantling the existing damaged one and handing over to AAI stores, as per specifications & directions of E.I.C etc. complete as required. As per approved make of AAI	10	Each	1200.00	12,000.00
9	Supply of Exide express battery 12V 180 Amps after dismantling the existing batteries and handing over to AAI stores, as per specifications & directions of E.I.C etc. complete as required. As per approved make of AAI	2	Each	15000.00	30,000.00
10	Wrapping of existing Mild steel pipe with suitable 4mm thick insulation of tar felt sheet as per the specifications & directions of E.I.C.	20	Sq Mtr	420.00	8,400.00
11	Supply and fixing of 25mm Gun Metal Air release valve after dismantling the existing damaged one and handing over to AAI stores, as per specifications & directions of E.I.C (Screwed type) As per approved make of AAI	3	Nos	1500.00	4,500.00
12	Providing and fixing of solenoid valve (model ISD - 15) SS 30 body nitrile diaphragm with nut and bolt after dismantling the existing damaged one and handing over to AAI stores, as per specifications & directions of E.I.C etc. complete as required. As per approved make of AAI	2	Each	6999.00	13,998.00
13	Providing & fixing of Rectangular box with double door having a size of 600WX750LX250D mm thickness of the box 1.25mm, 1.6mm MS fire hydrant box with nut and bolt as per standard after dismantling the existing damaged MS fire box and handing over to AAI stores, as per specifications & directions of E.I.C etc. complete as required. As per approved make of AAI	25	Each	3800.00	95,000.00
14	Supply & fixing of hose reel drum set with hose 20mm x 30 mtr, hose reel nozzle with nut, bolt, clamp after dismantling the existing damaged one and handing over to AAI stores, as per specifications & directions of E.I.C etc. complete as required. As per approved make of AAI	166	No	6199.00	10,29,034.00
15	Providing & fixing of hose reel nozzle with existing suitable nut and bolt after dismantling the existing damaged one and handing over to AAI stores, as per specifications & directions of E.I.C etc. complete as required. As per approved make of AAI	30	Each	280.00	8,400.00
16	Providing & fixing of single headed fire hydrant landing valve with suitable bolt nuts and gaskets after dismantling the existing damaged one and handing over to AAI stores, as per specifications & directions of E.I.C etc., complete as required. As per approved make of AAI	20	Each	5000.00	1,00,000.00
17	Supply and fixing of 100 NB Alarm valve including all accessories after dismantling the existing damaged one and handed over to AAI stores, as per specifications & directions of E.I.C etc. As per approved make of AAI	2	Each	32000.00	64,000.00
18	Providing & fixing of fire RRL type "A" hose with length of 15 meters with suitable couplings after dismantling the existing damaged one and handed over to AAI stores, as per specifications & directions of E.I.C etc, complete as required. As per approved make of AAI	380	Each	3699.00	14,05,620.00
19	Fabrication, Supply and Fixing of M.S Angle 3/4"x3/4"x0.5MM or M S Channel work by welding, providing lifting hook, painting etc., as required.	200	KG	99.00	19,800.00

S.No	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
20	Providing Minor Civil Repair Works as required as detailed below:				
20.01	Earth work (all types of soil) in excavation by mechanical means (Hydraulic excavator) /manual means including disposal of excavated earth, disposed earth to be levelled and neatly dressed.	30	Cum.	260.00	7,800.00
20.02	Demolishing cement concrete manually/mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - Charge.	15	Cum.	850.00	12,750.00
20.03	Laying cement concrete in 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size) i/c curing etc.	15	Cum.	6500.00	97,500.00
20.04	Supplying and filling in plinth with river sand under floors, including watering, ramming, consolidating and dressing complete.	12	Cum.	2500.00	30,000.00
20.05	Carriage of materials by Mechanical Transport including loading ,unloading and stacking complete for a lead of 1 Km. Earth/ building rubbish/ similar unserviceable, dismantled or waste material	48	Cum.	40.00	1,920.00
21	Dismantling of following damaged existing MS Heavy class pipes from the system which are on surface and under ground at a depth of 1.5 metres from ground level and shifting the same to AAI stores etc complete as required.				
21.01	25 mm to 80mm	100	Mtr.	25.00	2,500.00
21.02	100mm to 150mm	150	Mtr.	39.00	5,850.00
	(FIRE ALARM SYSTEMS)				
22	Providing & Fixing of VESDA Laser FOCUS complete as required. Make: Xtralis				
(a)	Make : FFAST System Sensor model ; 8100	1	Each	159000.00	1,59,000.00
(b)	Make: VLP 400 Xtralis	2	Each	339000.00	6,78,000.00
TOTAL (Ex-GST)					45,25,858.00

Rupees: Forty Five Lakhs Twenty Five Thousand Eight Hundred and Fifty Eight Only (Ex-GST)

H.K. 22/9/24
Jt.G.M.Engg (Elect)-II
AAI, Chennai Airport