



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

Ref No: - AAI/RHQ/NR/ENGG (E)/AGRA-ARMO/VO-02/2021-22-211-

Date: 30.07.2021

By Speed post/ E-mail
(anooprefrigerationoffice@gmail.com, kohlirupesh@yahoo.com)

सेवा में,
मैसर्स अनूप रेफ्रिजरेशन,
डी.एस. 185-186, सेक- डी, एल.डी.ए. कालोनी,
कानपुर रोड, लखनऊ - 226 012 -

To,
M/s Anoop Refrigeration,
D.S. 185-186, Sec-D, L.D.A Colony,
Kanpur Road, Lucknow - 226 012

कार्य का नाम :- सीएटी आगरा में वर्ष 2021-23 के लिए विद्युत एवं यान्त्रिकी संस्थापनों और अग्निशमन एवं फायर अलार्म सिस्टम्स का एआरएमओ।

Name of work: - ARMO of Electrical & Mechanical Installations & Fire Fighting and Fire Alarm Systems at CAT Agra for the year 2021-23.

संदर्भ:- आपकी निविदा (Tender ID: 2021_AAI_79328_1) वित्तीय बिड दिनांक 13.07.2021 को खोली गयी।

Ref:- Your e-Bid Tender ID: 2021_AAI_79328_1 Financial Bid opened on dated. 13.07.2021.

1. उपरोक्त उल्लेखित कार्य के लिए आपका ई-टेन्डर आपके द्वारा बताए गये मद मूल्यों पर कुल राशि रु. 52,49,877/- (रुपये बावन लाख उनचास हजार आठ सौ सत्तर मात्र) जीएसटी रहित जो कि न्यायोचित लागत रु. 70,13,504/- जो टेण्डर में दी गई है से 25.15 प्रतिशत नीचे है, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है।

Your e-tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India at the item rates totaling to **Rs. 52,49,877/- (Rupees Fifty Two Lac Forty Nine Thousand Eight Hundred and Seventy Seven Only)** excluding GST which is 25.15% below the justified cost of Rs. 70,13,504/-.

2. संयुक्त महाप्रबंधक (अभि.-विद्युत), उ.क्षे., भारतीय विमानपत्तन प्राधिकरण, प्रचालन कार्यालय, गुरुग्राम रोड, नई दिल्ली-37 इस कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है आप करारनामे पर हस्ताक्षर करने के लिए दिनांक 10.08.2021 तक संयुक्त महाप्रबंधक (अभि.-विद्युत), नई दिल्ली के कार्यालय में उपस्थित हो तथा करारनामे को पूरा करें। ठेके का करारनामा रु 100/- (रु एक सौ मात्र) के नोन ज्युडिशियल स्टैम्प पेपर पर निष्पादित किया जाएगा जिसका खर्चा आपके द्वारा उठाया जाएगा।

Jt. Gen.Manager (E-E), NR, Airports Authority of India, Operational Offices, Gurugram Road, New Delhi-37 shall be Engineer-in-Charge of the work. You are requested to attend the office of Jt. Gen. Manager (E-E), New Delhi by 10.08.2021 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value of **Rs.100/-** (Rs. One Hundred only) and the cost of the stamp paper shall be borne by you.

3. आपने बयाना राशि के रूप में कोई भी राशि जमा नहीं की है। अतः कृपया इस पत्र के जारी होने की तिथि से 07 दिनों के अंदर जमानत राशि रु 5,24,988/- (रु. पाँच लाख चौबीस हजार नौ सौ अट्ठासी मात्र) जमा कर दें, अन्यथा ठेके के दस्तावेज के अनुसार उपरोक्त राशि आपके रनिंग बिल से काट ली जायेगी। सुरक्षा राशि का भुगतान त्रुटि दायित्व अवधि, जोकि कार्य समाप्ती की तिथि से गिना जाएगा, के पूरे होने पर कर दिया जाएगा।

You have not submitted any amount against EMD. Therefore, please deposit an amount of **Rs. 5,24,988/- (Rupees Five Lac Twenty Four Thousand Nine Hunderd and Eighty Eight Only)** towards security deposit within 07 days of issue of this letter, failing which, the same will be deducted from your running bill as per conditions of the contract document. The Security deposit amount will be released after defect liability period which shall be reckoned from the date of completion of work.

4. आपसे निवेदन है कि आप केन्द्रीय और राज्य सरकारों के 1970 के अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम के प्रावधान और अनुबंध श्रम (विनियमन और उन्मूलन) के केन्द्रीय नियम 1971, बालश्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण श्रमिक (रोजगार और सेवा की शर्त का विनियमन) अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण उपकार अधिनियम 1996 आदि जैसा कि निविदा दस्तावेज़ और केन्द्रीय एवं राज्य सरकार के नियमों में निर्दिष्ट प्रावधानों का अनुपालन करें।

You are requested to comply with the Provisions of Contract Labour (Regulation and Abolition) Act of 1970 and Contract Labour (Regulation & Abolition) Central Rules 1971, Child Labour (Prohibition & Regulation) Act 1986, Contruction Workers (Regulation of Employment & Condition of Service) Act 1996, Building and other contruction Workers Welfare Cess Act 1996 as specified in the tender document and rules of Central and State Government.

5. आपको निर्देशित किया जाता है कि तुरंत क. कार्यपालक (अभि-विद्युत), सी.ए.टी., आगरा हवाई अड्डा से मिले वह आप को साइट सौंपने की व्यवस्था करेंगे। कृपया नोट कर ले कि काम करने का निर्धारित समय 24 महीना है जोकि 16.08.2021 से गिना जाएगा।

You are directed to contact **Jr. Executive (Engg. Elect), CAT, Agra Airport** immediately who will arrange to hand over the site to you. Please note that the time allowed for carrying out the work is **24 (Twenty Four) Months** which shall be reckoned from **16.08.2021**.

6. ठेके के त्रुटि दायित्व अवधि 06 महीने हे जो की कार्य समाप्ती की वास्तविक तिथि जो कि माप पुस्तिका मे दर्ज है, से गिना जाएगा।

The defect liability period shall be of **Six (06) months** from actual completion date as recorded in measurement book.

7. इस अनुबंध के संबंध में कोई और पत्राचार सामान्य रूप से संयुक्त महाप्रबंधक (विद्युत-अभि), उ.क्षे., भारतीय विमानपत्तन प्राधिकरण, प्रचालन कार्यालय, गुरुग्राम रोड, नई दिल्ली -37 को संबोधित किया जाये।

Any further correspondence in connection with this contract should normally be addressed to **Jt. Gen. Manager (E-E), NR, Airports Authority of India, Operational Offices, Gurugram Road, New Delhi-37**.

8. कृपया पावती भेजें और इस पत्र की डुप्लिकेट कॉपी हस्ताक्षर करने के बाद स्वीकृति के टोकन के रूप में अधोहस्ताक्षरी को लौटाएं।

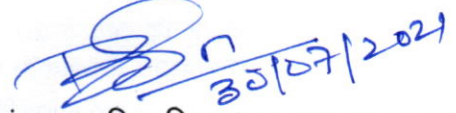
Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned either via email or post as a token of acceptance.

9. उपरोक्त संदर्भित सभी पत्र इस ठेके का भाग होंगे।

All the letters referred above shall form part of contract.

नोट : हिंदी अथवा अंग्रेजी संस्करण में अंतर पाये जाने पर अंग्रेजी संस्करण मान्य होगा।

NOTE: If there any discrepancy is observed in Hindi and English version, the English version will be considered.



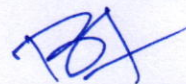
संयुक्त महाप्रबंधक (अभि.- विद्युत) / Jt.GM (Engg. - E)
भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
क्षे. मु.- उ. क्षे. / RHQ-NR, प्रचालन कार्यालय / Operational Office
गुडगाँव रोड / Gurgaon Road, रंगपुरी, नई दिल्ली / Rangpuri, New Delhi
कृते तथा की ओर से अध्यक्ष / For and on behalf of the Chairman

संलग्न:- मात्रा की अनुसूची (Pg. 1 to 6)
Enclosed:- Schedule of Quantities (Pg. 1 to 6)

SCHEDULE OF QUANTITIES

Name of Work: ARMO of Electrical and Mechanical Installations & Fire Fighting and Fire Alarm Systems at CAT Agra for the year 2021-23.

S.No	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
1	Periodical maintenance and operation of all electrical & mechanical installations of Terminal Building, Carpark lighting, Conveyors , AFL substation equipments (except DG sets & AMF Panel), GLF installations & E&M installations at residential colony & CISF barrack etc. on daily/ weekly/ monthly/ quarterly/ yearly basis as per maintenance schedule including preparation & maintenance of records /documents etc as per scope of work given in special conditions and technical specifications of contract etc complete as required. The contractor is required to deploy following minimum manpower in shift of eight hours on all days including holidays except on weekly off day : a) Wireman- 05 Nos (Skilled) b) Asst wireman/Operator - 02 Nos. (Semi-skilled) c) Helper - 04 Nos.(Un-skilled)	Month	24	186863.00	4484712.00
2	Servicing of 25 KVA DG set of Cummins make including Local control panel by supply and replacement of B check kit (Oil filters, fuel filters, Air cleaner Element, Foil Sealed test strip, Lube Oil, Inhibitor) and carrying out the preventive maintenance by OEM/authorised service agency etc complete as required.	Job	2	1000.00	2000.00
3	Checking, servicing, calibration testing & submission of report of following protection relays provided on 415 KV , LT Air circuit breaker panel complete as per site requirement - 1) IDMT relays a) Over Current:-4 Nos. b) Earth Fault:- 2 Nos.	Job	2	2500.00	5000.00
4	Inspection, servicing, overhauling of 3 Ph, 400 A GEC Alstom make HT Oil circuit breaker and testing of dielectric strength of oil upto 60 KV and submission of report etc complete as required	Job	6	1500.00	9000.00
5	Inspection, servicing, overhauling, testing of 1000/1600 A L&T make Air circuit breaker and submission of report etc complete as required.	Job	8	1500.00	12000.00
6	Inspection, servicing, overhauling, testing of 1000/1600 A GEC Alstom make Air circuit breaker and submission of report etc complete as required.	Job	6	2000.00	12000.00
7	Checking, servicing, calibration testing & submission of report of following protection relays provided on 11 KV, oil circuit breaker panel complete as per site requirement - 1) IDMT relays a) Over Current:-6 Nos. b) Earth Fault:- 3 Nos. 2) Auxiliary Relay (Type-VAA) for transformer protection -03 Nos	Job	2	4000.00	8000.00
8	De-hydration / centrifuging and testing of transformer oil by using filtration machine for installed transformer of 1 MVA capacity and oil capacity of 650 ltrs to get desired dielectric strength of oil upto 60 KV BDV etc as required.	Job	4	2500.00	10000.00
9	Supply and topping up the transformer/OCB with new transformer oil after dehydration/centrifuging and testing of dielectric strength of oil upto 60 KV BDV etc as required.	Ltr	1300	30.00	39000.00
10	Servicing of 1 MVA Capacity oil type transformer of (Make- Volt Amp) including replacement of complete gasket set and 4 Nos LV bushing , testing , commissioning and submission of report etc complete as required.	Job	2	4500.00	9000.00



S.No	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
11.01	Painting of following items in one or more coats using enamel paint of approved make including cleaning of surface etc., re-writing the identification letters etc complete as required. a) GI Poles of height upto 4 Mtrs i/c cable junction box.	Job	110	30.00	3300.00
11.02	Painting of following items in one or more coats using enamel paint of approved make including cleaning of surface etc., re-writing the identification letters etc complete as required. b) GI Poles of height more than 4 Mtrs and upto 9 Mtrs i/c cable junction box.	Job	30	250.00	7500.00
11.03	Painting of following items in one or more coats using enamel paint of approved make including cleaning of surface etc., re-writing the identification letters etc complete as required. c) MIREL runway fittings	Job	98	80.00	7840.00
12	Spray painting of sheet metal enclosures of electrical equipments such as feeder pillars, distribution boards, electrical panel, frame etc. including cleaning the surface, painting with one or more coats of grey or any other colour of approved make including rewriting the identification the circuit, Protecting and covering the electrical accessories during painting and removing after work is over etc complete as reqd.	Sq Mtr	150	50.00	7500.00
13	Painting of 500mm X 500mm X 200mm (nominal) size Earth pits in two or more coats of desired color and of approved make including cleaning of surface, re-writing the identification letters etc complete as required.	Job	120	30.00	3600.00
14.01	Servicing of following size ABS body desert water cooler including cleaning the surface, oiling/ greasing of all joints/ nuts/ bolts, changing cooler grass in desired/ satisfactory quantity, checking electrical connections/ wiring for smooth functioning including minor repairs/replacement but excluding motor winding and desert cooler water pump etc complete as required. a) 520mm x390 mm x600mm (LXBXH) size ABS body desert cooler	Job	35	17.00	595.00
14.02	Servicing of following size ABS body desert water cooler including cleaning the surface, oiling/ greasing of all joints/ nuts/ bolts, changing cooler grass in desired/ satisfactory quantity, checking electrical connections/ wiring for smooth functioning including minor repairs/replacement but excluding motor winding and desert cooler water pump etc complete as required. b) 660mm x590 mm x 750mm (LXBXH) size ABS body desert cooler	Job	10	25.00	250.00
15	Servicing of 710mm x 720mm x 890mm size steel body desert water cooler including cleaning the surface, oiling/ greasing of all joints/ nuts/ bolts and painting the cooler body and other required parts with two or more coats in desired color for arresting corrosion etc, changing cooler grass in desired/ satisfactory quantity, checking electrical connections/ wiring for smooth functioning including minor repairs/ replacement but excluding motor winding and desert cooler water pump etc complete as required.	Job	8	32.00	256.00
16	Extension of 250 KVA DG set stack height with 210 mm (Nominal) dia, MS 'C' class pipe along with bends, tees etc including 0.63 mm aluminium cladding, rockwool insulation, pipe welding etc complete as required.	Mtr	12	1000.00	12000.00
17	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	Cum	2	3000.00	6000.00
18	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	Cum	1	1000.00	1000.00

S.No	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
19	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size).	Cum	0.25	10000.00	2500.00
20	Centering and shuttering including strutting, propping etc. and removal of form for foundations, footings, bases of columns, etc. for mass concrete.	Sqm	4	500.00	2000.00
21	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. 1. Hot finished welded type tubes.	KG	600	20.00	12000.00
22	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade one or more coats on old work.	Sqm	20	40.00	800.00
23	Stack emission and Noise testing of 2 Nos. 250 KVA DG Sets which includes testing of particulate matter, sulphur dioxide, NOx, carbon monoxide and other hydrocarbon contents and submission of report etc complete as required.	Job	2	50.00	100.00
24	Stamping of 200 Kg. platform type electronic weighing scales installed at Agra Airport from local state deptt of metrology including submission of certification etc. complete as required.	Job	10	400.00	4000.00
25	Rewinding of 7.5 HP submersible pump set including replacement of defective parts such as seal, bush bearing etc including less for dismantled copper wire etc complete as required.	Job	2	1400.00	2800.00
26	Rewinding of 5.0 HP submersible pump set including replacement of defective parts such as seal, bush bearing etc including less for dismantled copper wire etc complete as required.	Job	2	1000.00	2000.00
27	Lifting and lowering of submersible pump upto 7.5 HP capacity upto 300 ft deep borewell including replacement of pipe nuts and gaskets including arranging machine or chain pulley block, tripod stand etc complete as required.	Job	4	1000.00	4000.00
28.01	Complete rewinding of 1200mm sweep Ceiling Fan	Job	10	300.00	3000.00
28.02	Complete rewinding of 400mm sweep wall mounting Fan	Job	10	300.00	3000.00
28.03	Complete rewinding of 600mm sweep wall mounting Fan	Job	10	300.00	3000.00
28.04	Complete rewinding of 400mm sweep Exhaust Fan	Job	20	300.00	6000.00
28.05	Complete rewinding of 200mm sweep Exhaust Fan	Job	10	300.00	3000.00
29	Decoration/Beautification of Airport on Various Occasions by carrying out following works on per day basis:- a) Arrangement of round pipe rope LED Lights of length upto 150 Mtrs b) Arrangement of jhallar/Christmas LED lights - 200 Nos. c) Arrangement of multi coloured façade lights -10 Nos	Days	40	250.00	10000.00
30.01	Supply of 63 Amp, DP, C series, 6 kA MCB	Each	2	350.00	700.00
30.02	Supply of 63 Amp, TPN/FP, C series, 6 kA MCB	Each	5	700.00	3500.00
30.03	Supply of 63 Amp, DP, 30 mA, RCCB	Each	2	1000.00	2000.00
30.04	Supply of SFU -63 Amp TPN (without enclosure)	Each	5	1000.00	5000.00
30.05	Supply of SFU -125 Amp TPN (without enclosure)	Each	2	1000.00	2000.00
30.06	Supply of cylindrical Fuse-2 Amp HNS	Each	10	30.00	300.00
30.07	Supply of Fuse-63 Amp HN (Size-00)	Each	10	100.00	1000.00
30.08	Supply of Fuse-100 Amp HN(Size-00)	Each	5	130.00	650.00
30.09	Supply of Fuse-125 Amp HN(Size-00)	Each	8	150.00	1200.00

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S.No	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
30.10	Supply of 3 phase, 96x96mm, Digital Voltmeter with accuracy 1.0	Each	2	800.00	1600.00
30.11	Supply of 3 phase, 96x96mm, Digital Ammeter with accuracy 1.0	Each	2	800.00	1600.00
30.12	Supply of 3 pin 5/6 amps socket outlet, piano type ISI marked	Each	5	25.00	125.00
30.13	Supply of S.P. 15/16 amps, one way switch, piano type ISI marked	Each	5	55.00	275.00
30.14	Supply of 6 pin 15/16 amps socket outlet, piano type ISI marked	Each	5	55.00	275.00
30.15	Supply of 4Cx 16 sqmm aluminium XLPE insulated /PVC sheathed armoured 1.1KV grade conforming to IS:7098 (Part-1) 1988 with up to date amendments power cable etc. as required.	Mtr	200	60.00	12000.00
30.16	Supply of 5 core X 4 sq mm , High Mast trailing cable Confirming to applicable IS Code and suitable for replacement of existing cable etc complete as required	Mtr	70	70.00	4900.00
30.17	Supply of 6 mm High mast SS Cable Confirming to applicable IS Code and suitable for replacement of existing cable etc complete as required	Mtr	80	80.00	6400.00
30.18	Supply of 2.5 MFD 230V /440 AC Capacitor	Each	10	20.00	200.00
30.19	Supply of Electronic fan regulator	Each	10	100.00	1000.00
30.20	Supply of 15/16Amp 4 way PVC Electrical Switch box (w/o switch & socket)	Each	5	400.00	2000.00
30.21	Supply of 5/6Amp 4 way PVC Electrical Switch box (w/o switch & socket)	Each	5	150.00	750.00
30.22	Supply of 15/16Amp 2 way PVC Electrical Switch box (w/o switch & socket)	Each	5	200.00	1000.00
30.23	Supply of 5/6Amp 2 way PVC Electrical Switch box (w/o switch & socket)	Each	5	50.00	250.00
30.24	Supply of Desert water cooler Pump	Each	20	100.00	2000.00
30.25	Supply of 12 V, 135 AH , Tubular, Lead Acid battery	Each	2	4500.00	9000.00
31.01	Supply of 45W, Optical Lamp , G6.35 suitable for existing fittings	Each	15	75.00	1125.00
31.02	Supply of 45W, 50Hz, 5 KV, 6.6/6.6A Isolating Transformer	Each	2	1500.00	3000.00
32	To carry out the complete item of work n CPWD schedule of rates (DSR 2018 - E&M) as per CPWD specifications complete as required for an amount of Rs. 30,000.00. (Note: Rate of DSR items shall be calculated by deducting GST component from schedule rate on account of GST and the quantity. Rs. 30,000.00 is after deducting the GST component.) Note: (i) The rate for this item has to be quoted carefully. (ii) The items covered in DSR 2018 (E&M) shall be executed as per site requirement. (iii) The guidelines for quoting the rate for this item is mentioned in Guidance to tenderer, Clause No. 35.	Job	1	18000.00	18000.00
33	Periodical maintenance of Fire fighting system installed at Agra Airport as per Special conditions of contracts. Job include operation and periodical maintenance of fire fighting system as per preventive maintenance schedule, testing of fire fighting system as per special conditions of contract, attending complaints/ faults/ breakdowns and taking rectification actions, ensuring serviceability / satisfactory working condition of the fire hydrant and fire fighting system, maintenance of records / documentations etc. as per terms and conditions by providing following manpower in shift of eight hours on all days including holidays except on weekly off days: a) Semi-Skilled (Pump operator cum Technician)- 01 No.	Month	24	16151.00	387624.00

S.No	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
34.01	Annual Comprehensive maintenance of Morley IAS make (model ZX5Se) intelligent Addressable fire detection and alarm system complete (excluding batteries, detectors, MCP, Hooters, control module, Response indicator, wires from fire alarm panel to other devices) installed at Agra Airport through OEM or authorized service provider of OEM. Job include quarterly visit of Engineer from OEM or OEM's authorized service provider, performing periodical maintenance of fire alarm and detection system as per OEM's recommendations, attending unlimited breakdown complaints received through email/ telephone, checking the proper functioning of complete fire alarm and detection system, taking rectification action of fire alarm system by rewiring/ rectification/ replacement of all parts (except batteries) of the fire alarm main and repeater panel, reprogramming in case of any fault in panel or replacement of faulty detectors/ MCPs/ Hooters/ control module etc, ensuring proper functioning of complete fire detection and alarm system as per special conditions of contracts complete as required. Note :- Spares such as detectors/MCPs/Hooters will be provided by AAI. a) First Year	Month	12	1500.00	18000.00
34.02	Annual Comprehensive maintenance of Morley IAS make (model ZX5Se) intelligent Addressable fire detection and alarm system complete (excluding batteries, detectors, MCP, Hooters, control module, Response indicator, wires from fire alarm panel to other devices) installed at Agra Airport through OEM or authorized service provider of OEM. Job include quarterly visit of Engineer from OEM or OEM's authorized service provider, performing periodical maintenance of fire alarm and detection system as per OEM's recommendations, attending unlimited breakdown complaints received through email/ telephone, checking the proper functioning of complete fire alarm and detection system, taking rectification action of fire alarm system by rewiring/ rectification/ replacement of all parts (except batteries) of the fire alarm main and repeater panel, reprogramming in case of any fault in panel or replacement of faulty detectors/ MCPs/ Hooters/ control module etc, ensuring proper functioning of complete fire detection and alarm system as per special conditions of contracts complete as required. Note :- Spares such as detectors/MCPs/Hooters will be provided by AAI. b) Second Year	Month	12	2000.00	24000.00
35	Providing & fixing 63mm dia., 15mtr. long (Reinforced rubber line) RRL hose pipe with 63mm dia. male and female Stainless steel couplings duly binded with GI wire, rivets etc. conforming to IS- 636 (Type-A) complete as required & as per tender specification.	Each	20	200.00	4000.00
36	Supply of Addressable optical smoke detectors with base compatible to existing system at site etc complete as required.	Each	10	500.00	5000.00
37	Supply of Addressable Hooter compatible to existing system at site etc complete as required.	Each	5	700.00	3500.00
38	Supply of Addressable manual call point compatible to existing system at site etc complete as required.	Each	20	200.00	4000.00
39	Supply of Electrically operated pressure switch with adjustable differential suitable for connecting in liquid media at site complete as required.	Each	2	650.00	1300.00
40	Supply of 12 volt, 17 AH nominal SMF battery suitable for replacement of existing Fire panel battery at site etc complete as required.	Each	2	1100.00	2200.00
41	SITC of MS body 180 degree wall mounted swinging type hose reel drum with hub width of approx. 230mm confirming to IS :513 including all accessories, valves etc but without rubber hose and nozzle suitable for replacement of existing installations/compatible to existing system etc complete as required.	Each	8	100.00	800.00

S.No	DESCRIPTION OF ITEMS	UNIT	QTY	RATE	AMOUNT
42	Installation, testing and commissioning of wall mounted 180 degree swinging type hose reel drum with all accessories including dismantling of existing drums and submitting it to AAI store etc complete as required.	Each	8	100.00	800.00
43	Painting of existing external Fire Hose cabinet mounted on floor surface of sizes 1000 mm X 450 mm X 600 mm nominal with one or more coats of synthetic enamel paint of required colour including cleaning the surface and re-numbering of hydrant etc complete as required.	Each	24	100.00	2400.00
44	Painting of exposed fire hydrant pipe line with one or more coats of synthetic enamel paint of required colour including cleaning the surface etc complete as required.	Sq mtr	60	50.00	3000.00
45	Providing, laying and fixing of 100 mm dia MS (C class) pipe in ground complete with MS fittings including trenching deep upto 2 mtr, welding of pipes and re-filling etc as required	Mtr	10	95.00	950.00
46	Providing, laying and fixing of 100 mm dia MS (C class) pipe complete with MS fittings on surface including welding of pipes etc as required	Mtr	10	400.00	4000.00
47	Providing, laying and fixing of 80 mm dia MS (C class) pipe complete with MS fittings on surface including welding of pipes etc as required	Mtr	10	300.00	3000.00
48	Excavation by demolishing cement concrete manually by mechanical means including disposal of material within 50 meters lead as directed complete as required.	Cum	10	70.00	700.00
49	Rewinding & repairing of 3 ph , 11 KW induction pump set motor along with replacement of spares like bearings, bushes, bush coupling, sleeves, oil seal etc (except shaft & impeller) including dismantling, transportation, assembling, testing and commissioning etc complete as required.	Job	1	4000.00	4000.00
				Total Rs.	5,249,877.00
				Say Rs.	5,249,877.00

(Rupees Fifty Two Lac Forty Nine Thousand Eight Hundred Seventy Seven Only)

Note:- Rates are exclusive of GST)


Jt. Gen. Manager (Engg. - E), NR,
AAI, Operational Offices,
Gurugram Road, New Delhi-37

Signature Not Verified

Digitally signed by KAMLESH ANAND
Date: 2021.08.18 16:46:27 IST
Location: eProcurement System for Central PSUS