



भारतीय विमानन अकादमी

राष्ट्रीय विमानन प्रबंधन संस्थान और अनुसंधान सोसाइटी
एएआई, वीसीएएस और डीजीसीए, सरकार भारत का एक संयुक्त उद्यम



TRAINAIR
PLUS

FULL MEMBER

संदर्भ संख्या:- भा.वि. अका. /अभि. /विधुत/ई एंड एम/ए.एम.सी. /कार्य आदेश/2022-23/880
Ref. No: IAA/Engg. /Elect. /E&M/AMC/W.O./2022-23/880

दिनांक 27/06/2022
Dated: 27/06/2022

सेवा में,
मेसर्स आनंद एंड कंपनी
15/32, पूर्वी पंजाब बाग,
नई दिल्ली-110026,
ईमेल:- aanandandco@gmail.com

To,
M/S Anand & Company
15/32, East Punjab Bagh,
New delhi-110026
E-Mail: aanandandco@gmail.com

विषय: भारतीय विमानन अकादमी वसंत कुंज नई दिल्ली में अकादमी और छात्रावास ब्लॉक के ई एंड एम प्रतिष्ठानों के वार्षिक रखरखाव अनुबंध का कार्य आदेश ।

Sub: Work order of "Annual Maintenance Contract of E & M Installations of Academy & Hostel Block at Indian Aviation Academy Vasant Kunj, New Delhi."

Reference: - 1. Tender ID: - 2022_AAI_116329_1.
2. Financial Bid opened on 21.06.2022.

महोदया/महोदय,

Madam/Sir,

- 1) उपरोक्त कार्य हेतु आपकी ई-निविदा निदेशक, भारतीय विमानन अकादमी की ओर से स्वीकृत की जाती है जोकि आपके द्वारा उद्धृत मद मूल्यों पर आपकी कुल राशि रुपये 58,59,000/- (रुपये अठ्ठावन लाख उनसठ हजार मात्र) है जो कि अनुमानित लागत रुपये 90,51,606/- से 35.27% कम है। (उद्धृत मूल्य में जीएसटी शामिल नहीं है) ।

Your e-tender for the work mentioned above is hereby accepted on behalf of the Director, Indian Aviation Academy at the item rates totaling to **Rs. 58,59,000/- (Rupees Fifty-Eight Lakhs Fifty-Nine Thousand Only)** which is **35.27% below** the estimated cost of **Rs. 90,51,606/- (The quoted rates are exclusive of GST).**

- 2) प्रबंधक (अभि-विधुत), भारतीय विमानन अकादमी, नई दिल्ली इस कार्य के प्रभारी अभियंता होंगे । आपसे निवेदन है कि आप अपनी ओर से एक विश्वसनीय प्रतिनिधि नियुक्त करें जो करारनामे पर हस्ताक्षर करने के लिए अधिकृत हो तथा वह दिनांक 10/07/2022 तक प्रबंधक (अभि-विधुत), भा.वि.अका., नई दिल्ली के कार्यालय में उपस्थित हो तथा करारनामे को पूरा करें। ठेके का करारनामा रु 100/- के नोनजुडिशियल स्टैम्प पेपर पर निष्पादित किया जाएगा तथा स्टैम्प पेपर का खर्च आपके द्वारा उठाया जाएगा ।

Manager Engg. (E), Indian Aviation Academy, Vasant Kunj, New Delhi – 110070 will be Engineer-in-Charge of this work. You are requested to depute your accredited representative, empowered to sign the contract agreement on your behalf to attend the office of the Manager Engg. (E), IAA, to sign & complete the agreement on or before **10/07/2022**. The contract agreement shall be executed on a non-judicial stamp paper of value of **Rs.100/-** and the cost of the stamp paper shall be borne by you.

भारतीय विमानन अकादमी
कार्यपालक निदेशक कार्यालय
दिनांक: 27/06/2022
सं.: 880

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वसंत कुंज, नई दिल्ली 110070
फोन: + 9 1 11 26134313
ईमेल: edtraining.niamar@aai.aero

Vasant Kunj, New Delhi 110070
Phone: +91 11 26134313
Email: edtraining.niamar@aai.aero

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27/06/2022
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- 3) आपके टेंडर के साथ प्राप्त बयाना राशि 1,81,032/- (रुपये एक लाख इक्यासी हजार बत्तीस मात्र) को करार दस्तावेज के अनुसार प्रतिभुति जमा राशि के रूप में माना जाएगा। कृपया इस पत्र के जारी होने की तिथि से 10 दिनों के भीतर धरोहर राशि के लिए बकाया रुपये 4,04,868/- (रुपये चार लाख चार हजार आठ सौ अड़सठ मात्र) जमा कर दें अन्यथा ठेके के करारनामे में दी गई शर्त के अनुसार इतनी ही राशि आपके रनिंग बिल से काट ली जाएगी।

The earnest money amount of **Rs.1,81,032/-** (Rupees One Lakh Eighty-One Thousand Thirty-Two Only) received along with your tender will be treated and converted as part of Security Deposit. Please deposit remaining amount of **Rs.4,04,868/-** (Rupees Four Lakh Four Thousand Eight Hundred Sixty-Eight Only) towards Security Deposit within 10 days from the date of issue of this letter, failing which, the same shall be deducted from your running bills as per conditions of the contract document.

- 4) आपसे निवेदन है कि आप केंद्रीय और राज्य सरकारों के 1970 अधिनियम अनुबंध श्रम नियम तथा 1971 के केंद्रीय नियम (नियमन तथा उन्मूलन) एवं केन्द्र तथा राज्य सरकार के न्यूनतम वेतन अधिनियम और नियमों के प्रावधान का नवीनतम संशोधनों के साथ 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 & Minimum Wages Act & Rules there of Central & State Governments with latest amendments.

- 5) आपको निर्देश दिया जाता है कि तुरंत प्रबंधक (अभियान्त्रिकी-विद्युत), भा.वि.अका.,नई दिल्ली-110070 से 01.07.2022 को या साइट निरीक्षण के लिए एक दिन पहले मिले वह आपको साइट सौंपने की व्यवस्था करेंगे। कृपया नोट कर ले कि कार्य करने का निर्धारित समय एक जुलाई 2022 से गिना जाएगा एवं एएमसी का कार्य करने का निर्धारित समय चौबीस (24) महीने है जोकि एक जुलाई 2022 से या आपके द्वारा अधिग्रहित साइट की वास्तविक तिथि से गिना जाएगा।

You are directed to contact **Manager Engg. (E), Indian Aviation Academy, Vasant Kunj, New Delhi - 110070** on 01.07.2022 or one day prior to 01 July 2022 for site inspection and taking over the site. Please note that the time allowed for carrying out this work is 24 Months which shall be reckoned from 01 July 2022 or the actual date of site taken over by you which will be within 10 days of issue of this work order.

- 6) इस ठेके के सम्बंध में आगे का कोई भी पत्राचार प्रबंधक (अभि-विद्युत), भा.वि.अका.,नई दिल्ली-110070 के पते पर किया जाए।

Any further correspondence in connection with this contract should normally be addressed to **Manager Engg. (E), Indian Aviation Academy, Vasant Kunj, New Delhi - 110070**.

- 7) उपरोक्त संदर्भित सभी पत्र इस ठेके का भाग होंगे।

All the letters referred above shall form part of contract.

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27/06/2022
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- 8) टेके की दोष दायित्व अवधि छह (06) महीने होगी जोकि कार्य समाप्ति की तिथि से गिना जाएगा ।
The defect liability period shall be **Six (06) Months** which shall be reckoned from the date of completion of work.
- 9) कहीं भी हिंदी या अंग्रेजी संस्करण में अंतर या अस्पष्टता के मामले में, अंग्रेजी संस्करण मान्य होगा ।
If there is any difference or ambiguity in Hindi or English version anywhere, the English version shall prevail.
- 10) कृपया इस कार्य आदेश की प्राप्ति को स्वीकार करें और स्वीकृति के टोकन के रूप में अधोहस्ताक्षरी को हस्ताक्षर करने के बाद इस पत्र की डुप्लिकेट कॉपी को संलग्न करें ।
Please acknowledge the receipt of work order and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as a token of acceptance.

भवदीय/ Yours faithfully

प्रबंधक (अभि.-विधुत) / Manager (Engg.-E)

आई.ए.ए नई दिल्ली/ IAA, New Delhi

संलग्न/ Encl:- कार्य की अनुसूची (03 पृष्ठ)/Schedule of Work (03 Pages).

(INTERNAL) – For kind information please.

1. Director, IAA, Vasant Kunj, New Delhi.
2. AGM (Fin.), IAA, Vasant Kunj, New Delhi.
3. Manager (E-C), IAA, Vasant Kunj, New Delhi.
4. Agreement.
5. Office copy.

(EXTERNAL)- Copy to:-

1. Labour Commissioner, Govt. of NCT of Delhi, 5 Sham Nath Marg, Prema Kunj, Civil Lines, New Delhi-110054.
2. Provident Fund (PF) Commissioner, Bhavishya Nidhi Bhawan, 8th Floor, 8 floor Community center, Wazirpur Industrial area, Delhi- 110052.
3. ESIC Panchdeep Bhawan, Comrade Inderjeet Gupta Marg, New Delhi- 110002.

प्रबंधक (अभि.-विधुत) / Manager (Engg.-E)

आई.ए.ए नई दिल्ली/ IAA, New Delhi

प्रभारी अभियंता / Engineer-In-Charge

विद्युत अभियंत्रिकी / (Engineering Electrical)

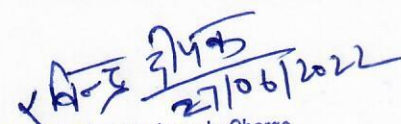
भारतीय विमानन अकादमी / Indian Aviation Academy

वसंत कुंज नई दिल्ली-110070 / Vasant Kunj, New Delhi-110070

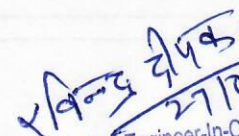
Schedule of Work

Name of Work: Annual Maintenance Contract of E & M Installations of Academy & Hostel Block at Indian Aviation Academy Vasant Kunj, New Delhi.

Sl.No	Description of items	Qty	Unit	Rate	Amount
	SH-I Operational & Maintenance of internal and External electrical installation.				
1	Annual Operation maintenance contract of Internal & External Electrical Installation of L.T. Panels (i/c ACBs, MCCBs, all relays etc.), Waste to composte machine (150kg per day input capacity), Solar Water Heating System, street light, High mast Light and other electrical installations except power house in Academy & Hostel Block of IAA on all working days i/c Sunday & holiday in shifts duty/General duty as per operations at sites. The Wireman-cum-Operator shall note down all the parameters in log book, operating waste to composte machine round the clock, attend the electrical complaints and maintain the electrical installation at the site. All tools & Plants as required for maintenance of electrical installation at IAA will be provided by agency without any extra cost and kept the same in IAA till the completion of this work. The contractor depute following minimum manpower at each site as given below:- Manpower Duty Timing:- a) General Shift- 0930 IST to 1730 IST. b) Shift A- 0600 IST to 1400 IST. c) Shift B- 1400 IST to 2200 IST. d) Shift C- 2200 IST to 0600 IST. Timing may be varied as per site requirement but each shift will be of 8 hr. in any case.				
i)	1 No. Supervisor (Highly Skilled) for 6 days per week in General Shift of 8hr.				
ii)	1 No. Computer Operator (Highly Skilled) for 6 days per week in General Shift of 8hr.				
iii)	2 No. Electrician (Skilled) for 6 days per week, Out of Two Electricians One will be deployed in A Shift and another One will be deployed in B Shift at Academy Block. Each shift is of 8 hrs.				
iv)	2 No. Khallasi/Helper (Un-Skilled) for 6 days per week. Out of Two Khallasi/Helper 1 will be deployed in A Shift and another One will be deployed in B Shift at Academy Block. Each shift is of 8 hrs				
v)	3 No. Electrician (Skilled) for 7 days per week & Reliever shall be provided on Weekly Off. Out of three Electricians one will be deployed in A Shift, one will be deployed in B shift and one will be deployed in C Shift at Hostel Block. Each shift is of 8 hrs				
vi)	3 No. Khallasi/Helper (Un-Skilled) for 7 days per week & Reliever shall be provided on Weekly Off. Out of three Khallasi/Helper one will be deployed in A Shift, one will be deployed in B shift and one will be deployed in C Shift at Hostel Block. Each shift is of 8 hrs.				
i)	First Year	12	Month	208000.00	2496000.00
ii)	Second Year	12	Month	212000.00	2544000.00
2	Engagement of Extra Manpower in case of exigencies etc as required by E-I-C.				
i)	Skilled	50	Hours	80.00	4000.00
ii)	Unskilled	50	Hours	50.00	2500.00
	SH-II : Comprehensive Maintenance of the following items.				
3	Comprehensive Maintenance of 150 kg/day capacity organic waste to compost machine including putting the kitchen waste in the machine from nearby storage area & collecting the processed compost in plastic bags, Providing Oiling Greasing for Waste to Compost Machine when ever required, Providing Thermal Oil for Waste to Compost Machine when ever required, Providing Saw Dust for Waste to Compost Machine as required on daily basis for operation and Maintaining log books of waste to compost machine etc. complete as required. Comprehensive Maintenance included each and every spare parts/repair works required for its normal day to day operation as per site requirement. All spares parts & repair work along with required accessories will be provided by the agency without any extra cost. Rate will be all inclusive of CMC after considering buy back of dismantle items. Make:- SMS Hydrotech Model: FS016 Installation Year : 2019. Location:- Hostel Block				
i)	Total Quantity 1 unit	24	Month	5000.00	120000.00
4	Comprehensive Maintenance of UPS System including Batteries with monthly visit of technician, quarterly visit of Engineer and yearly OEM serviceability report. Make :EATON Specification 200 KVA, 415 Volt, 50 Hz (Model: 93PR-200-MBS). Comprehensive Maintenance included each and every spare parts/repair works required for its normal day to day operation as per site requirement. All spares parts & repair work along with required accessories will be provided by the agency without any extra cost. Rate will be all inclusive of CMC after considering buy back of dismantle items. Make:- EATON Batteries: EXIDE, 12V, 100 Ah Nos. of Batteries : 36 Model: 93PR-200-MBS Installation Year : 2018. Location:- Academy Block.				
i)	Total Quantity 1 unit	24	Month	8000.00	192000.00


 प्रभारी अभियंता / Engineer-in-Charge
 विद्युत अभियंता (Engineering Electrical)
 भारतीय विमानन अकादमी / Indian Aviation Academy
 वसंत कुंज नई दिल्ली-110070 / Vasant Kunj, New Delhi-110070

Sl.No	Description of Items	Qty	Unit	Rate	Amount
5	Comprehensive Maintenance of the Precision Air Conditioners Unit of Vertiv make including repair/ replacement of all parts i.e. Fan Motor, Capacitor, PCB,refrigerant piping, Gas Charging (R-407a) including compressor unit based on site requirment. Comprehensive Maintenance included each and every spare parts/repair works required for its normal day to day operation as per site requirement. All spares parts & repair work along with required accessories will be provided by the agency without any extra cost. Rate will be all inclusive of CMC after considering buy back of dismantle items. Note:- CMC of this item will start after complete overhauling & Repairing of Precision AC Unit of Capacity 5.0 TR as per item no. 11. Precision Air Conditioners Unit of Capacity - 5.0 TR Make: Vertiv Model: PEX12EC IR HUM with ICOM Serial No. 17404ECN0120D517 Installation Year : 2018. Location:- Academy Block				
i)	Total Quantity 1 unit	24	Month	3000.00	72000.00
6	Comprehensive Maintenance of the following type of AC units of all makes including repair/ replacement of all parts i.e. Fan Motor,refrigerant piping, Capacitor, PCB, Compressor unit and Gas Charging as required. Comprehensive Maintenance included each and every spare parts/repair works required for its normal day to day operation as per site requirement. All spares parts & repair work along with required accessories will be provided by the agency without any extra cost. Rate will be all inclusive of CMC after considering buy back of dismantle items.				
i)	4 Nos. (four number) capacity 1.5 TR Split type Airconditioners (Make:- Dakin inverter AC Model: RKG60TV16U) Refrigerant- R32. Installation Year:- 2018.	24	Month	2000.00	48000.00
ii)	1 No. (One Number) capacity 1.5 TR Portable AC (Make: Croma Model: CRAC1201) Refrigerant- R 410A. Installation Year:- 2020.	24	Month	500.00	12000.00
7	Comprehensive Maintenance of Samsung Make Washing machine (fully automatic) of capacity 6kg including repair or replacement of all spares and also motor repair or replacement as per site requirement.(Model No. WA60M4300HD). Comprehensive Maintenance included each and every spare parts/repair works required for its normal day to day operation as per site requirement. All spares parts & repair work along with required accessories will be provided by the agency without any extra cost. Rate will be all inclusive of CMC after considering buy back of dismantle items. Total Quantity 3 Nos. Make: Samsung Model: WA60M4300HD, 220 V-50 Hz Installation Year:- 2018. Location:- Hostel Block				
i)	Total Quantity 3 units	24	Month	700.00	16800.00
8	Comprehensive Maintenance of IFB Make cloth dryer capacity of Heater 1800 Watt including repair or replacement of all spares and also motor repair or replacement as per site requirement. (Model:- MAXIDRY EX). Comprehensive Maintenance included each and every spare parts/repair works required for its normal day to day operation as per site requirement. All spares parts & repair work along with required accessories will be provided by the agency without any extra cost. Rate will be all inclusive of CMC after considering buy back of dismantle items. Total Quantity 1 No. Make: IFB Model: MAXIDRY EX Installation Year :- 2018. Location:- Hostel Block				
i)	Total Quantity 1 unit.	24	Month	500.00	12000.00
9	Comprehensive Maintenance of Electrolux/LG Refridgerator of Storage volume 74 Ltr. & Gross volume 80 Ltr. capacity including repair/replacement of all parts including compressor unit, Chiller Line, Motor, gas charging and other Accessorios / parts complete as required. Comprehensive Maintenance included each and every spare parts/repair works required for its normal day to day operation as per site requirement. All spares parts & repair work along with required accessories will be provided by the agency without any extra cost. Rate will be all inclusive of CMC after considering buy back of dismantle items. Total Quantity 72 Nos. Year of Installation: 2018. Make: Electrolux (42 Nos.)/ LG (30 Nos.) Electrolux Model : REF EC091 LG Model & Year : GL-B131R5WV Location:- Hostel Block.				
i)	Total Quantity 72 units.	24	Month	800.00	19200.00


 27/06/2022
 प्रभारी अभियंता / Engineer-in-Charge
 विद्युत अभियंत्रिकी / (Engineering Electrical)
 भारतीय विमानन अकादमी / Indian Aviation Academy
 वसंत कुंज नई दिल्ली-110070 / Vasant Kunj, New Delhi-110070

Sl.No	Description of items	Qty	Unit	Rate	Amount
10	Comprehensive Maintenance of 500 LPD x 10 nos. existing solar hot water system. It comprising of Solar collectors, Insulated Solar Hot Water Tank, Insulated System Piping, Collector & Tank Legs / Stands, Collector Coupling, Air release Valve, Electrical Element and other related accessories. Comprehensive Maintenance included each and every spare parts/repair works required for its normal day to day operation as per site requirement. All spares parts & repair work along with required accessories will be provided by the agency without any extra cost. Rate will be all inclusive of CMC after considering buy back of dismantle items. Capacity: 800 litre per day per tank. This system include 10 tanks and related Solar collectors, Insulated Solar Hot Water Tank, Insulated System Piping, Collector & Tank Legs / Stands, Collector Coupling, Air release Valve, Electrical Element and other accessories. Make: Supreme Solar Systems. Installation Year:- 2020. Location:- Hostel Block (Roof top).	24	Month	7000.00	168000.00
	SH-III : Rewinding & Repairing of the following items as and when required during entire contract period. However Item number 11 will be executed immediately after starting this contract work.				
11	Complete Overhauling & Repairing of Precision AC Unit of Capacity 5.0 TR inclusive of all gas Leakage repairing if any, press testing, brazing, vacuummazing & gas charging , (Gas - R- 407a) and other repairing works as required for put it into operation with immediate effect. It included each and every spare parts/repair works required for its normal day to day operation as per site requirement. All spares parts & repair work along with required accessories will be provided by the agency without any extra cost. Rate will be all inclusive after considering buy back of dismantle items. Make:- Vertiv Model: PEX120EC Location: Academy Block.	1	Job	15000.00	15000.00
12	Rewinding & Repairing of Ceiling Fan of Size 1200 mm sweep including replacement of bearing,bush,etc., (Make: Bajaj) as and when required. It includes each and every spare parts/repair works required for its normal day to day operation as per site requirement. All spares parts & repair work along with required accessories will be provided by the agency without any extra cost. Rate will be all inclusive after considering buy back of dismantle items.	30	Each	350.00	10500.00
13	Rewinding & Repairing of wall Fan & Pedestal Fan of Size 400 mm sweep including replacement of bearing,bush,etc., (Make: Havells/Bajaj) as and when required. It includes each and every spare parts/repair works required for its normal day to day operation as per site requirement. All spares parts & repair work along with required accessories will be provided by the agency without any extra cost. Rate will be all inclusive after considering buy back of dismantle items.	20	Each	350.00	7000.00
14	Repair & Rewinding of Sewage Submersible pump of capacity 3HP and up to 5HP including replacement of pump spares,etc., as and when required. It includes each and every spare parts/repair works required for its normal day to day operation as per site requirement. All spares parts & repair work along with required accessories will be provided by the agency without any extra cost. Rate will be all inclusive after considering buy back of dismantle items.	5	Each	2000.00	10000.00
15	Repair & Rewinding Portable (Rain Harvesting) Non-Clog pump of Mather & Plat coupled make Kirloskar 5 HP,1450 rpm,3 phase TEFC. AC Motor including replacement of pump spares, etc. as and when required. It includes each and every spare parts/repair works required for its normal day to day operation as per site requirement. All spares parts & repair work along with required accessories will be provided by the agency without any extra cost. Rate will be all inclusive after considering buy back of dismantle items.	2	Each	5000.00	10000.00
	SH-IV DSR (Electrical) Items as and when required.				
	Carrying out any of the internal and external schedule items available in DSR (E&M) 2018 as when required and as directed by E-I-C complete as required for a fixed amount of Rs.2 (Two) Lakhs. (Note: The contractor has to quote an amount above or below the fixed amount of Rs.2 (Two) Lakhs. The difference of the amount so quoted and Rs.2 (Two) Lakhs shall be calculated for % age w.r.t the Rs. 2 (Two) Lakhs. The said work out +/- % age will be applied to the DSR' 2018 rate. The quoted amount may be inclusive of DSR 2018 rate with all upto date applicable esclations/ cost index, contractor profit and other charges but exclusive of GST. The quoted rate shall be consider as payable rate to the bidder for each items without any esclation/cost index at any time during contract period. However, GST will be paid extra as per existing applicable rules after removing related GST component in DSR 2018 AOR.	1	As Per DSR'2018	100000.00	100000.00
				Total =	58,59,000.00

(Rupees Fifty-Eight Lakhs Fifty-Nine Thousand Only)

Note: GST Extra as applicable

Manager (Engg.-E), IAA

प्रभारी अभियंता / Engineer-In-Charge
विद्युत अभियंता / (Engineering Electrical)
भारतीय विमानन अकादमी / Indian Aviation Academy
पुणे / New Delhi-110070

Signature Not Verified

Digitally signed by RAVINDER DEEPAK
Date: 2022.06.28 10:40:59 IST
Location: eProcurement System for Central PSUs